



The bidi *Package*

Documentation for version 19.1

to my Master, Ferdowsi The Great

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<https://github.com/persian-tex/bidi/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The *bid* Package

Bidirectional typesetting in plain $\text{T}_\text{E}\text{X}$ and \LaTeX , using $\text{XeT}_\text{E}\text{X}$ engine

Documentation for version 19.1

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Contents

I	\LaTeX Manual	4		
1	Basics	4		
	1.1 Loading The Package	4		
	1.2 <i>bid</i> 's Symbol	5		
	1.3 Commands for Version number, and Date of The Package	6		
	1.4 Turning TeX -- XeT features on and off	6		
	1.5 Options of The Package	6		
	1.6 Paragraph Switching Commands	7		
	1.7 Paragraph Switching Environ- ments	8		
	1.8 Typesetting Short LTR and RTL Texts	8		
	1.9 Footnotes	9		
	1.9.1 Footnote Rule	10		
	1.10 Two Column Typesetting	10		
	1.11 RTL cases	11		
	1.12 Typesetting Logos	11		
	1.13 Separation Mark	11		
	1.14 $\backslash\text{raggedright}$, $\backslash\text{raggedleft}$ commands, flushleft and flushright Environments	12		
	1.15 Primitive-like commands	12		
	1.16 Something To know about $\backslash\text{hbox}$	12		
	1.17 $\backslash\text{bidillap}$ and $\backslash\text{bidirlap}$ Commands	13		
	1.18 LTRitems and RTLitems Envi- ronments	13		
	1.19 LTRbibitems and RTLbib- items Environments	15		
	1.20 $\backslash\text{setLTRbibitems}$, $\backslash\text{setRTLbibitems}$, and $\backslash\text{setdefaultbibitems}$ commands	15		
	1.21 Typesetting margin par	16		
	1.22 Typesetting of Headers and Footers	16		
	1.23 Tabular Typesetting	16		
	1.24 Equation Numbers	16		
2	Support For Various Packages and Classes	16		
	2.1 Color	17		
	2.2 The <i>dblfnote</i> package	17		
	2.3 <i>Hyperref</i>	17		
	2.4 The <i>listings</i> package	18		
	2.5 <i>flowfram</i> Package	18		
	2.6 Multicolumn Typesetting	18		
3	Extra <i>bid</i> Packages and Classes	18		
	3.1 <i>bid</i> -longtable package	19		
	3.2 <i>bid</i> utfte bundle	19		
	3.3 Typesetting TeX and \LaTeX Codes	19		
	3.4 Typesetting Poems	20		
	3.5 Typesetting Resumé	20		

3.6	Print Two Pages On A Single Page	20	7.7	amsthm-xetex-bidi.def	35
3.7	Producing Presentations	21	7.8	animate-xetex-bidi.def	35
4	Some Useful Internal Macros and Programming Tips	21	7.9	array-xetex-bidi.def	39
4.1	Equating Conditionals	21	7.10	article-xetex-bidi.def	40
4.2	RTL Conditional	21	7.11	artikel1-xetex-bidi.def	44
4.3	Main RTL Conditional	21	7.12	artikel2-xetex-bidi.def	49
4.4	Latin Conditional	21	7.13	artikel3-xetex-bidi.def	54
4.5	Tags Internal Macro	22	7.14	arydshln-xetex-bidi.def	60
4.6	Definition File Loaded Internal Macro	22	7.15	bidi.sty	62
4.7	Tabular Conditional	22	7.16	bidi.tex	65
4.8	Footnote Conditional	22	7.17	bidi2in1.sty	66
4.9	Direction Ensuring Macros	22	7.18	bidicode.sty	67
4.10	Reset Direction Macro	23	7.19	bidiftnxtra.sty	70
			7.20	bidi-longtable.sty	74
			7.21	bidimoderncv.cls	75
			7.22	biditools.sty	80
			7.23	bidituftefloat.sty	103
			7.24	bidituftesidenote.sty	115
			7.25	bidituftetoc.sty	126
			7.26	bidituftegeneralstructure.sty	129
			7.27	bidituftehyperref.sty	131
			7.28	bidituftetitle.sty	131
			7.29	bidituft-handout.cls	135
			7.30	bidituft-book.cls	135
			7.31	bidipoem.sty	136
			7.32	boek3-xetex-bidi.def	144
			7.33	boek-xetex-bidi.def	147
			7.34	boekest-xetex-bidi.def	151
			7.35	book-xetex-bidi.def	152
			7.36	breqn-xetex-bidi.def	156
			7.37	cals-xetex-bidi.def	157
			7.38	caption-xetex-bidi.def	158
			7.39	caption3-xetex-bidi.def	158
			7.40	colortbl-xetex-bidi.def	158
			7.41	color-xetex-bidi.def	159
			7.42	combine-xetex-bidi.def	160
			7.43	crop-xetex-bidi.def	160
			7.44	cutwin-xetex-bidi.def	162
			7.45	cuted-xetex-bidi.def	163
			7.46	cvthemebidicasual.sty	170
			7.47	cvthemebidiclassic.sty	172
			7.48	dblfnote-xetex-bidi.def	174
			7.49	draftwatermark-xetex-bidi.def	178
			7.50	eso-pic-xetex-bidi.def	178
			7.51	empheq-xetex-bidi.def	179
			7.52	extarticle-xetex-bidi.def	182
			7.53	extbook-xetex-bidi.def	186
			7.54	extletter-xetex-bidi.def	189
			7.55	extrafootnotefeatures-xetex-bidi.def	190
II	Plain T_EX Manual	23			
5	Basics	23			
5.1	Loading The Package	23			
5.2	Commands for Version number, and Date of The Package	23			
5.3	Turning TeX--XeT features on and off	24			
5.4	Paragraph Switching Commands	24			
5.5	Paragraph Switching Environments	24			
5.6	Typesetting Short LTR and RTL Texts	25			
5.7	Primitive-like commands	26			
5.8	Something To know about \hbox	26			
5.9	Typesetting Logos	26			
6	Some Useful Internal Macros and Programming Tips	26			
6.1	RTL Conditional	27			
6.2	Main RTL Conditional	27			
6.3	Direction Ensuring Macros	27			
6.4	Reset Direction Macro	27			
7	 bidi implementation	27			
7.1	amsart-xetex-bidi.def	27			
7.2	adjmulticol-xetex-bidi.def	30			
7.3	algorithm2e-xetex-bidi.def	31			
7.4	amsbook-xetex-bidi.def	32			
7.5	amsmath-xetex-bidi.def	34			
7.6	amstext-xetex-bidi.def	34			



7.56	extreport-xetex-bidi.def	226
7.57	fancybox-xetex-bidi.def	230
7.58	fancyhdr-xetex-bidi.def	231
7.59	fix2col-xetex-bidi.def	231
7.60	fleqn-xetex-bidi.def	232
7.61	float-xetex-bidi.def	233
7.62	floatrow-xetex-bidi.def	233
7.63	flowfram-xetex-bidi.def	233
7.64	footnote-xetex-bidi.def	236
7.65	framed-xetex-bidi.def	243
7.66	ftnright-xetex-bidi.def	246
7.67	graphicx-xetex-bidi.def	247
7.68	geometry-xetex-bidi.def	250
7.69	hvfloa-xetex-bidi.def	250
7.70	hyperref-xetex-bidi.def	256
7.71	leqno-xetex-bidi.def	268
7.72	letter-xetex-bidi.def	268
7.73	lettrine-xetex-bidi.def	269
7.74	listings-xetex-bidi.def	271
7.75	loadingorder-xetex-bidi.def	272
7.76	longtable-xetex-bidi.def	278
7.77	mdframed-xetex-bidi.def	280
7.78	bidi-media9.sty	281
7.79	memoir-xetex-bidi.def	290
7.80	midfloat-xetex-bidi.def	293
7.81	minitoc-xetex-bidi.def	297
7.82	multicol-xetex-bidi.def	298
7.83	multienum-xetex-bidi.def	301
7.84	natbib-xetex-bidi.def	302
7.85	newfloat-xetex-bidi.def	303
7.86	ntheorem-xetex-bidi.def	303
7.87	ntheorem-hyper-xetex-bidi.def	304
7.88	overpic-xetex-bidi.def	304
7.89	pdfpages-xetex-bidi.def	305
7.90	pgfcorescopes.code-xetex-bidi.def	306
7.91	picinpar-xetex-bidi.def	307
7.92	plain-xetex-bidi.def	310
7.93	pstricks-xetex-bidi.def	312
7.94	quotchap-xetex-bidi.def	313
7.95	ragged2e-xetex-bidi.def	313
7.96	rapport1-xetex-bidi.def	315
7.97	rapport3-xetex-bidi.def	320
7.98	refrep-xetex-bidi.def	326
7.99	report-xetex-bidi.def	329
7.100	rotating-xetex-bidi.def	333
7.101	scrartcl-xetex-bidi.def	336
7.102	scrbook-xetex-bidi.def	346
7.103	scrlettr-xetex-bidi.def	358
7.104	scrrprt-xetex-bidi.def	360
7.105	sidecap-xetex-bidi.def	370
7.106	soul-xetex-bidi.def	371
7.107	stabular-xetex-bidi.def	372
7.108	subfigure-xetex-bidi.def	372
7.109	tabls-xetex-bidi.def	373
7.110	tabularx-xetex-bidi.def	373
7.111	tabulary-xetex-bidi.def	375
7.112	tc-xetex-bidi.def	376
7.113	titlesec-xetex-bidi.def	376
7.114	titletoc-xetex-bidi.def	377
7.115	tocbibind-xetex-bidi.def	378
7.116	tocloft-xetex-bidi.def	379
7.117	tocstyle-xetex-bidi.def	386
7.118	todonotes-xetex-bidi.def	391
7.119	wrapfig-xetex-bidi.def	393
7.120	xcolor-xetex-bidi.def	395
7.121	latex-xetex-bidi.def	397
7.122	xltxtra-xetex-bidi.def	412
8	Index	412
9	Change History	550



Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain TeX and L^AT_EX, using the XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input TeX document, and then run xelatex on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2015 Vafa Khalighi
*
* 2015/12/07, v19.1
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

L^AT_EX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.

See the bidi package documentation for explanation.
Type H <return> for immediate help.
...

1.4 \begin{document}

?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

```
\TeXXeTOn \TeXXeTOff
```

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevencolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

- ☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.
- ☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.
- ☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.
- ☞ `\paragraphfootnotes` typesets footnotes in paragraph format.
- ☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.
- ☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofooterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects. Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

- ☞ With any of the commands in the first row, you can typeset LTR paragraphs.
- ☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```




```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR} <text> \end{LTR}
\begin{RTL} <text> \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>} \LR{<text>}
\RLE{<text>} \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
  texts will be familiar
4   with the mid-brown volumes of the EETS, with the symbol
5   of Alfred's jewel embossed on the front cover.
6 \begin{LTR}
7 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
  texts will be familiar
8   with the mid-brown volumes of the EETS, with the symbol
9   of Alfred's jewel embossed on the front cover.
10 \end{LTR}
11 \end{RTL}
12 \end{document}

```

1.9 Footnotes

```

\footnote [num] {<text>} \LTRfootnote [num] {<text>} \RTLfootnote [num] {<text>}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{<text>} \LTRthanks{<text>} \RTLthanks{<text>}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {<text>} \LTRfootnotetext [num] {<text>}  
\RTLfootnotetext [num] {<text>}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofooterule \rightfootnoterule \leftfootnoterule  
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule  
\debugfootnotedirection
```

- ☞ `\autofooterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in twocolumn documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in twocolumn documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

1.11 RTL cases

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr \text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines `XeTeX` and `XeLaTeX` logos and in addition, it makes sure that logos, `TeX` , `LaTeX` , `LaTeX2ε` are typeset LTR.

1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard `LaTeX` , `dot` is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

```
\hboxR \hboxL \vboxR \vboxL
```

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 LTRitems and RTLitems Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

```
\setLTRbibitems \setRTLbibitems \setdefaultbibitems
```

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The `bidi` package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloating`, `hyperref`, `letrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `picinpar`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

- ☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.
- ☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.
- ☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofooterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the listings package, namely `captiondirection`. This key can have the following values:

- ☞ `textdirection` follows the direction of the text (default).
- ☞ `RTL` sets the direction of the caption to RTL.
- ☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

```
\RTLmulticolcolumns \LTRmulticolcolumns
```

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

3.2 biditufte bundle

A modified version of tufte-latex, biditufte bundle, mainly for RTL typesetting, is provided. If you never used biditufte bundle or tufte-latex package and you want to use biditufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using biditufte bundle, you need to know the following notes:

- ☞ You need to use biditufte-book class instead tufte-book class and biditufte-handout class instead tufte-handout class.
- ☞ biditufte bundle provides the following extra commands:

```
\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote
```

- ☞ biditufte-book and biditufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ biditufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in biditufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure biditufte-book class for your own needs, then you can create a file with the name biditufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure biditufte-handout class for your own needs, then you can create a file with the name biditufte-handout.cfg and put your \LaTeX macros in that file.

3.3 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnxtra package that solves the issue of footnote in standard \LaTeX . bidiftnxtra package should be loaded after bidi package.



3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use `Kashida`.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{<length>}
```

```
\begin{traditionalpoem}
<verse1>&<verse2>\\
<verse3>&<verse4>\\
...
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}
<verse1>&<verse2>
<verse3>&<verse4>
...
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`² class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

²This class is the modified version of `moderncv` class.



3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

```
\eqnewif{\newconditional1}{\newconditional2}
```

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

```
\if@RTL
```

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

```
\if@RTLmain
```

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

```
\if@Latin
```

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of `\@iftagsloaded` is exactly the same as the syntax of `\@ifpackageloaded` and `\@ifclassloaded`. By tags, we mean things like `leqno` or `reqno`. Please note that in the argument `<tags name>`, the extension `clo` should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of `\@ifdefinitionfileloaded` is exactly the same as the syntax of `\@ifpackageloaded` and `\@ifclassloaded`. By definition file, we mean things like `hyperref-bidi.def` or `wrapfig-bidi.def`. Please note that in the argument `<definition file name>`, the extension `def` should not be given.

4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, `\if@RTLtab` is true and if the tabular is typeset LTR, `\if@RTLtab` is false.

4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, `\if@RTL@footnote` is true and when footnotes are typeset LTR, `\if@RTL@footnote` is false.

4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.

☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.



- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put $\langle text \rangle$ inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

- ☞ `\bidiversion` gives the current version of the package.
- ☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```



5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

```
\TeXXeTOn \TeXXeTOff
```

☞ \TeXXeTOn turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ \TeXXeTOff turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

```
\setLTR \setLR \unsetRL \unsetRTL  
\setRTL \setRL \unsetLTR
```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi  
2 \setRTL%  
3 Anyone who reads Old and Middle English literary texts will be  
4 familiar with the mid-brown volumes of the EETS, with the symbol  
5 of Alfred's jewel embossed on the front cover.  
6  
7 \setLTR% Notice the blank line before \setLTR  
8 Anyone who reads Old and Middle English literary texts will be  
9 familiar with the mid-brown volumes of the EETS, with the symbol  
10 of Alfred's jewel embossed on the front cover.  
11 \end
```

5.5 Paragraph Switching Environments

```
\LTR <text> \endLTR  
\RTL <text> \endRTL
```

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

```
\LRE{<text>} \LR{<text>}
\BLE{<text>} \BL{<text>}
```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \BLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



5.7 Primitive-like commands

```
\hboxR \hboxL \vboxR \vboxL
```

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

5.9 Typesetting Logos

```
\XeTeX
```

`bidi` defines Xe \TeX logo and in addition, it makes sure that the logo, \TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



6.1 RTL Conditional

```
\if@RTL
```

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

```
\if@RTLmain
```

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

6.3 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

6.4 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX  
2 \def\@tocline#1#2#3#4#5#6#7{\relax  
3 \ifnum #1>\c@tocdepth % then omit  
4 \else  
5 \par \addpenalty\@secpenalty\addvspace{#2}%  
6 \begingroup \hyphenpenalty\@M
```



```

7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#3\relax
13 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection\@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@\{ \linespacing\@plus\linespacing\}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule{z@footnotesep\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\LTRfootnotetext#1{%
63 \insert\footins{%
64 \RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule{z@footnotesep\ignorespaces#1\unskip\strut\par}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \@bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode\.=\@m
90 }{f%
91 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule{z@ \columnsep 35\p@
96 \@indextitlestyle
97 \thispagestyle{plain}}%
98 \let\item\@idxitem
99 \parindent{z@ \parskip{z@\@plus.3\p@\relax
100 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \@topnum\z@ % this prevents figures from falling at the top of page 1
108 \@setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercaseonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \@nx\markboth{\the\toks4
121     \@nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \@cleartopmattertags
126 }

```

7.2 adjmulticol-xetex-bidi.def

```

127 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol pack
128 \def\adjmulticols#1#2#3{\col@number#1\relax
129   \def\@tempa{#2}%
130   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
131   \def\@tempa{#3}%
132   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
133   \ifnum\col@number<\@ne
134     \PackageWarning{adjmulticol}%
135       {Using `~\number\col@number'
136         columns doesn't seem a good idea.^^J
137         I therefore use one columns instead}%
138     \col@number\@ne\fi
139   \ifnum\col@number>10
140     \PackageError{adjmulticol}%
141       {Too many columns}%
142     {Current implementation doesn't
143       support more than 10 columns.%
144       \MessageBreak
145       I therefore use 10 columns instead}%
146     \col@number10 \fi
147   \ifx\@footnotetext\mult@footnotetext\else
148     \let\orig@footnotetext\@footnotetext
149     \let\@footnotetext\mult@footnotetext
150   \fi
151   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
152     \let\orig@LTRfootnotetext\@LTRfootnotetext
153     \let\@LTRfootnotetext\mult@LTRfootnotetext

```



```

154     \fi
155     \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156         \let\orig@RTLfootnotetext\@RTLfootnotetext
157         \let\@RTLfootnotetext\mult@RTLfootnotetext
158     \fi
159     \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pack
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
171 \renewcommand{\@algocf@start}{%
172     \@algoskip%
173     \begin{bidi@lrbox}{\algocf@algobox}%
174     \setlength{\algowidth}{\hsize}%
175     \vbox\bgroup% save all the algo in a box
176     \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177     \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178     % initialization
179     \addtolength{\hsize}{-1.5\algomargin}%
180     \let\@mathsemicolon=\; \def\;{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
181     \raggedright\A1Fnt{}%
182     \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183     \@algoinsideskip%
184     % \let\@emathdisplay=\] \def\]{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187     \@algoinsideskip%
188     \egroup%end of vtop which contain all the text
189     \hfill\egroup%end of hbox wich contains [margin][vtop]
190     \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191     %
192     \egroup%end of main vbox
193     \end{bidi@lrbox}%
194     \algocf@makethealgo% print the algo
195     \@algoskip%
196     % restore dimension and macros
197     \setlength{\hsize}{\algowidth}%
198     \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199     \let\;=\@mathsemicolon%
200     \let\]=\@emathdisplay%

```




```
201 }%
```

7.4 amsbook-xetex-bidi.def

```
202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeT
203 \def\@tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
214     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection   {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\right@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty
```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefntext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefntext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefntext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%-
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for Xe
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \@ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \@ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \@addtoreset{#2}{#3}%
335 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for Xe
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\f@size#2\selectfont

```



```
343 \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}}
```

7.7 amsthm-xetex-bidi.def

```
344 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX]
345 \def\@thmcountersep{\@SepMark}
```

7.8 animate-xetex-bidi.def

```
346 \ProvidesFile{animate-xetex-bidi.def}[2015/11/24 v0.1 bidi adaptations for animate package for XeTeX]
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5] [] {%
356   \@anim@endsanitize%
357   \leavevmode%
358   \ifpdf\else%
359     \if@anim@grxloaded%
360       \if@anim@xetex%
361         \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362         \fi%
363     \else%
364       \if@anim@xetex%
365         \@anim@missing[xetex]{graphicx}%
366       \else%
367         \if@anim@dvipdfmx%
368           \@anim@missing[dvipdfmx]{graphicx}%
369         \else%
370           \@anim@missing{graphicx}%
371         \fi%
372       \fi%
373     \fi%
374   \fi%
375   \@anim@reset% to default settings
376   \begingroup% make use of graphic[xs] search path
377   \beginL%
378   \ifcsname Ginput@path\endcsname%
379     \let\input@path\Ginput@path%
380   \fi%
381   %
382   \setkeys{anim@user}{#1}%
383   \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
384     \setboolean{@anim@autoplayorresume}{true}%
385   }{}%
386   \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
387     \setboolean{@anim@morejs}{true}%
```



```

388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390   \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
393   \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401   \ifthenelse{equal{#4}{}\OR\equal{#5}{}}{%
402     \PackageError{animate}{%
403       Missing frame number in \protect\animategraphics\space command%
404     }{}%
405   }{}%
406   \ifthenelse{\@anim@first<\z\OR\@anim@last<\z}{%
407     \PackageError{animate}{%
408       Negative frame numbers not allowed%
409     }{}%
410   }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last%
415   \edef\@anim@every{-\@anim@every}%
416   \def\@anim@relop{<}%
417   \edef\@anim@numtemplate{\@anim@last}%
418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z@%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname

```



```

438         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439         \@anim@makebuttons{\the\@anim@num}%
440     \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
441     \fi%
442 \fi%
443 \xdef\@anim@nfps{#2\space}% current frame rate
444 \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445 \ifdim\@anim@nfps\p@<\z@%
446     \PackageError{animate}{%
447         Negative frame rate '\@anim@nfps' is not allowed%
448     }{}%
449 \fi%
450 \xdef\@anim@fps{\@anim@nfps}%
451 %
452 %read all frames of the sequence
453 \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\else%
454     \if@anim@multipage%
455         %embed graphics
456         \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
457             \@anim@pathtofile}{\the\@anim@curframe}%
458     \else%
459         %get path to current file end its extension
460         \@anim@getpath{%
461             \@anim@base\@anim@pad{\@anim@numtemplate}{\the\@anim@curframe}%
462         }{\@anim@ftype}%
463         %embed graphics
464         \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
465             \@anim@pathtofile}{1}%
466     \fi%
467     \global\advance\@anim@curframe by \@anim@every%
468     \global\advance\@anim@curframe@zb by \@ne%
469 \repeat%
470 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471 \global\@anim@tmpcnt=\@anim@frames%
472 \global\advance\@anim@tmpcnt by -\@ne%
473 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474 %build timeline from optional timeline file
475 \@anim@sanitizeJS%
476 \if@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
477 %insert animation widget & controls
478 \@anim@insertwidgets{\the\@anim@num}{%
479     \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
480 \@anim@endsanitize%
481 \fi%
482 \endL%
483 \endgroup%
484 \global\advance\@anim@num by \@ne%
485 }%
486 %adjust catcode of `:' character within \animategraphics
487 \let\@anim@animategraphics\animategraphics

```



```

488 \def\animategraphics{\@anim@sanitizeColon\@anim@animategraphics}
489
490
491
492 %user environment for animating inline graphics
493 % #1: options
494 % #2: frame rate (fps)
495 \renewenvironment{animateinline}[2] []{%
496   \@anim@endsanitize%
497   \leavevmode%
498   \setboolean{@anim@inside}{true}%
499   \@anim@reset% to default settings
500   \begingroup%
501   \beginL%
502   % make use of graphic[xs] search path
503   \ifcsname Ginput@path\endcsname%
504     \let\input@path\Ginput@path%
505   \fi%
506   \setkeys{anim@user}{#1}%
507   \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
508     \setboolean{@anim@autoplayorresume}{true}%
509   }{}%
510   \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
511     \setboolean{@anim@morejs}{true}%
512   }{}%
513   \ifx\empty\@anim@label\empty\else%
514     \setboolean{@anim@morejs}{true}%
515   \fi%
516   \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
517     \setboolean{@anim@loop}{true}%
518   }{}%
519   \global\@anim@curframe@zb=\z@%
520   \global\@anim@skipfram=\z@%
521   \if@anim@draft\else%
522     %create button faces if necessary
523     \if@anim@controls%
524       \ifcsname
525         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
526         \@anim@makebuttons{\the\@anim@num}%
527         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
528         \fi%
529       \fi%
530     \if@anim@step\else%
531       \xdef\@anim@nfps{-1}%
532       \@anim@processfpsarg{#2}%
533     \fi%
534   \fi%
535   \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
536   \@anim@beginframe%
537   \ignorespaces%

```



```

538 }{%-
539 \unskip%
540 \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
541 \ifdefined\endNoHyper\endNoHyper\fi%
542 \global\advance\@anim@curframe@zb by \@ne%
543 \if@anim@draft\else%
544 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
545 \global\@anim@tmpcnt=\@anim@frames%
546 \global\advance\@anim@tmpcnt by -\@ne%
547 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
548 %build timeline from optional timeline file
549 \@anim@sanitizeJS%
550 \if@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
551 %insert animation widget & controls
552 \@anim@insertwidgets{\the\@anim@num}{%
553 \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
554 \@anim@endsanitize%
555 \fi%
556 \endL%
557 \endgroup%
558 \global\advance\@anim@num by \@ne%
559 \setboolean{@anim@inside}{false}%
560 }
561 \let\@anim@animateinline\animateinline
562 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

7.9 array-xetex-bidi.def

```

563 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
564 \def@testpach{\@chclass
565 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
566 \ifnum \@lastchclass=7 5 \else
567 \ifnum \@lastchclass=8 \tw@ \else
568 \ifnum \@lastchclass=9 \thr@@
569 \else \z@
570 \ifnum \@lastchclass = 10 \else
571 \edef\@nextchar{\expandafter\string\@nextchar}%
572 \@chnum
573 \if \@nextchar c\z@ \else
574 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
575 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
576 \z@ \@chclass
577 \if \@nextchar |\@ne \else
578 \if \@nextchar !6 \else
579 \if \@nextchar @7 \else
580 \if \@nextchar <8 \else
581 \if \@nextchar >9 \else
582 10
583 \@chnum
584 \if \@nextchar m\thr@@\else

```




```

585 \if \@nextchar p4 \else
586 \if \@nextchar b5 \else
587 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
588 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
589 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
590 \leavevmode
591 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR\beginR
592 \let\d@llarend\endR
593 \@tabarray}
594 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
595 \expandafter\let\csname endtabular*\endcsname=\endtabular
596 \def\@array[#1]#2{%
597 \@tempdima \ht \strutbox
598 \advance \@tempdima by\extrarowheight
599 \setbox \@arstrutbox \hbox{\vrule
600 \@height \arraystretch \@tempdima
601 \@depth \arraystretch \dp \strutbox
602 \@width \z@}%
603 \beginR
604 \@mkpream{#2}%
605 \xdef\@preamble{\noexpand \ialign \@halignto
606 \bgroup \@arstrut \@preamble
607 \tabskip \z@ \cr}%
608 \endR
609 \@arrayleft
610 \if #1t\top \else \if#1b\bottom \else \vcenter \fi \fi
611 \bgroup
612 \let \@sharp ##\let \protect \relax
613 \lineskip \z@
614 \baselineskip \z@
615 \m@th
616 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\top
617 \def\@tabarray{\@ifnextchar [\@array]{\@array[c]}}
618 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preambl
619 \def\array{\col@sep\arraycolsep
620 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
621 \@RTLtabfalse\@tabarray}

```

7.10 article-xetex-bidi.def

```

622 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article clas
623 \if@titlepage
624 \renewcommand\maketitle{\begin{titlepage}%
625 \let\footnotesize\small
626 \let\right@footnoterule\relax
627 \let\left@footnoterule\relax
628 \let\textwidth@footnoterule\relax
629 \let \footnote \thanks
630 \let \LTRfootnote \LTRthanks
631 \let \RTLfootnote \RTLthanks

```



```

632 \null\vfil
633 \vskip 60\p@
634 \begin{center}%
635   {\LARGE \@title \par}%
636   \vskip 3em%
637   {\large
638     \lineskip .75em%
639     \begin{tabular}[t]{c}%
640       \@author
641     \end{tabular}\par}%
642   \vskip 1.5em%
643   {\large \@date \par}%           % Set date in \large size.
644 \end{center}\par
645 \@thanks
646 \vfil\null
647 \end{titlepage}%
648 \setcounter{footnote}{0}%
649 \global\let\thanks\relax
650 \global\let\LTRthanks\relax
651 \global\let\RTLthanks\relax
652 \global\let\maketitle\relax
653 \global\let\@thanks\@empty
654 \global\let\@author\@empty
655 \global\let\@date\@empty
656 \global\let\@title\@empty
657 \global\let\title\relax
658 \global\let\author\relax
659 \global\let\date\relax
660 \global\let\and\relax
661 }
662 \else
663 \renewcommand\maketitle{\par
664   \begingroup
665     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
666     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
667     \long\def\@makefnmark##1{\parindent 1em\noindent
668       \hb@xt@1.8em{%
669         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
670     \if@twocolumn
671       \ifnum \col@number=\@ne
672         \@maketitle
673       \else
674         \twocolumn[\@maketitle]%
675       \fi
676     \else
677       \newpage
678       \global\@topnum\z@   % Prevents figures from going at top of page.
679       \@maketitle
680     \fi
681     \thispagestyle{plain}\@thanks

```



```

682 \endgroup
683 \setcounter{footnote}{0}%
684 \global\let\thanks\relax
685 \global\let\LTRthanks\relax
686 \global\let\RTLthanks\relax
687 \global\let\maketitle\relax
688 \global\let\@maketitle\relax
689 \global\let\@thanks\@empty
690 \global\let\@author\@empty
691 \global\let\@date\@empty
692 \global\let\@title\@empty
693 \global\let\title\relax
694 \global\let\author\relax
695 \global\let\date\relax
696 \global\let\and\relax
697 }
698 \def\@maketitle{%
699 \newpage
700 \null
701 \vskip 2em%
702 \begin{center}%
703 \let \footnote \thanks
704 \let \LTRfootnote \LTRthanks
705 \let \RTLfootnote \RTLthanks
706 {\LARGE \@title \par}%
707 \vskip 1.5em%
708 {\large
709 \lineskip .5em%
710 \begin{tabular}[t]{c}%
711 \@author
712 \end{tabular}\par}%
713 \vskip 1em%
714 {\large \@date}%
715 \end{center}%
716 \par
717 \vskip 1.5em}
718 \fi
719 \renewcommand*\l@part[2]{%
720 \ifnum \c@tocdepth >-2\relax
721 \addpenalty\@secpenalty
722 \addvspace{2.25em \@plus\p@}%
723 \setlength\@tempdima{3em}%
724 \begingroup
725 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
726 \parfillskip -\@pnumwidth
727 {\leavevmode
728 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
729 \nobreak
730 \if@compatibility
731 \global\@nobreaktrue

```



```

732     \everypar{\global\@nbreakfalse\everypar{}}%
733     \fi
734     \endgroup
735 \fi}
736 \renewcommand*\l@section[2]{%
737   \ifnum \c@tocdepth >\z@
738     \addpenalty\@secpenalty
739     \advvspace{1.0em \@plus\p@}%
740     \setlength\@tempdima{1.5em}%
741     \begingroup
742     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
743     \parfillskip -\@pnumwidth
744     \leavevmode \bfseries
745     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
746     \hskip -\if@RTL\rightskip\else\leftskip\fi
747     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
748   \endgroup
749 \fi}
750 \renewcommand\left@footnoterule{%
751   \kern-3\p@
752   \hrule\@width.4\columnwidth
753   \kern2.6\p@}
754 \renewcommand\right@footnoterule{%
755   \kern-3\p@
756   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
757   \kern2.6\p@}
758 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
759 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
760 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
761 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
762 \def\@part[#1]#2{%
763   \ifnum \c@secnumdepth >\m@ne
764     \refstepcounter{part}%
765     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
766   \else
767     \addcontentsline{toc}{part}{#1}%
768   \fi
769   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
770   \interlinepenalty \@M
771   \normalfont
772   \ifnum \c@secnumdepth >\m@ne
773     \Large\bfseries \partname\nobreakspace\thepart
774     \par\nobreak
775   \fi
776   \huge \bfseries #2%
777   \markboth{}{\par}%
778   \nobreak
779   \vskip 3ex
780   \@afterheading}
781 \renewenvironment{thebibliography}[1]

```



```

782     {\section*{\refname}%
783       \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
784 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
785   \list{\@biblabel{\@arabic\c@enumiv}}%
786     {\settowidth\labelwidth{\@biblabel{#1}}%
787       \leftmargin\labelwidth
788       \advance\leftmargin\labelsep
789       \@openbib@code
790       \usecounter{enumiv}%
791       \let\p@enumiv\@empty
792       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
793   \sloppy
794   \clubpenalty4000
795   \@clubpenalty \clubpenalty
796   \widowpenalty4000%
797   \sfcode`. \@m}
798   {\def\@noitemerr
799     {\@latex@warning{Empty `thebibliography' environment}}%
800   \endlist}
801 \renewenvironment{theindex}
802   {\if@twocolumn
803     \@restonecolfalse
804     \else
805     \@restonecoltrue
806     \fi
807     \columnseprule \z@
808     \columnsep 35\p@
809     \twocolumn[\section*{\indexname}]%
810     \@mkboth{\MakeUppercase\indexname}%
811             {\MakeUppercase\indexname}%
812     \thispagestyle{plain}\parindent\z@
813     \parskip\z@ \@plus .3\p@\relax
814     \let\item\@idxitem}
815   {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.11 **artikel1-xetex-bidi.def**

```

816 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
817 \renewenvironment{theindex}{%
818   \if@twocolumn
819     \@restonecolfalse
820   \else
821     \@restonecoltrue
822   \fi
823   \columnseprule \z@
824   \columnsep 35\p@
825   \twocolumn[\section*{\indexname}]%
826   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
827   \thispagestyle{plain}\parindent\z@
828   \parskip\z@ \@plus .3\p@\relax

```



```

829 \let\item\@idxitem
830 }{%
831 \if@restonecol\onecolumn\else\clearpage\fi}
832 \renewcommand*\head@style{%
833   \interlinepenalty \@M
834   \hyphenpenalty=\@M \exhyphenpenalty=\@M
835   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
836 \if@titlepage
837   \renewenvironment{abstract}{%
838     \titlepage
839     \null\vfil
840     \section*{\SectFont\abstractname}
841     \noindent\ignorespaces}
842   {\par\vfil\null\endtitlepage}
843 \else
844   \renewenvironment{abstract}{%
845     \if@twocolumn
846       \section*{\abstractname}%
847     \else
848       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
849       \section*{\small\SectFont\abstractname}%
850       \noindent\ignorespaces
851     \fi}
852   {\if@twocolumn\else\par\egroup\fi}
853 \fi
854 \renewcommand*\@regtocline[3]{%
855   \ifnum #1>\c@tocdepth
856   \else
857     \vskip\z@\@plus.2\p@
858     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
859     \if@RTL\rightskip\else\leftskip\fi\unitindent
860     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
861     \parfillskip\z@
862     \@tempdima\unitindent
863     \parindent\z@
864     \leavevmode
865     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
866     \hskip 1em \nobreak{\slshape #3}\par
867     }%
868   \fi}
869 \if@oldtoc
870 \renewcommand*\l@part[2]{%
871   \ifnum \c@tocdepth >-2\relax
872     \addpenalty\@secpenalty
873     \addvspace{2.25em \@plus\p@}%
874     \begingroup
875       \setlength\@tempdima{3em}%
876       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
877       \parfillskip -\@pnumwidth
878       {\leavevmode

```



```

879     \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
880     \nobreak
881     \if@compatibility
882     \global\nobreaktrue
883     \everypar{\global\nobreakfalse\everypar{}}%
884     \fi
885   \endgroup
886 \fi}
887 \else
888   \renewcommand*\l@part{%
889     \ifnum \c@tocdepth >-2\relax
890     \addpenalty\secpenalty
891     \advvspace{2.25em \@plus \p@}%
892     \@regtocline{0}%
893   \fi}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@section[2]{%
897   \addpenalty\secpenalty
898   \advvspace{1.0em \@plus \p@}%
899   \setlength\tempdima{1.5em}%
900   \begingroup
901   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
902   \parfillskip -\@pnumwidth
903   \leavevmode \bfseries
904   \advance\if@RTL\rightskip\else\leftskip\fi\tempdima
905   \hskip -\if@RTL\rightskip\else\leftskip\fi
906   #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
907   \endgroup}
908 \else
909   \renewcommand*\l@section{\@regtocline{1}}
910 \fi
911 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
912 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
913 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
914 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
915 \renewenvironment{thebibliography}[1]
916   {\section*\refname}%
917   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
918   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
919   \list{\@biblabel{\@arabic\c@enumiv}}%
920     {\settowidth\labelwidth{\@biblabel{#1}}%
921     \leftmargin\labelwidth
922     \advance\leftmargin\labelsep
923     \openbib@code
924     \usecounter{enumiv}%
925     \let\p@enumiv\@empty
926     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
927   \sloppy\clubpenalty4000\widowpenalty4000
928   \sfcode`..\@m}

```



```

929     {\def\@noitemerr
930       {\@latex@warning{Empty `thebibliography' environment}}}%
931     \endlist}
932 \renewcommand*\left@footnoterule{%
933   \kern-3\p@
934   \kern.5\baselineskip
935   \hrule\@width\unitindent
936   \kern.4\baselineskip
937 }
938 \renewcommand*\right@footnoterule{%
939   \kern-3\p@
940   \kern.5\baselineskip
941   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
942   \kern.4\baselineskip}
943 \if@titlepage
944 \renewcommand*\TitleFont{\rmfamily}
945 \renewcommand*\maketitle{%
946   \begin{titlepage}%
947     \let\footnotesize\small
948     \let\right@footnoterule\relax
949     \let\left@footnoterule\relax
950     \let\textwidth@footnoterule\relax
951     \let \footnote \thanks
952     \long\def\@makefnctext##1{\parindent\z@
953       \def\labelitemi{\textendash}\@revlabeltrue
954       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
955     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
956     \if@compatibility\setcounter{page}{0}\fi
957     \null\vfil
958     \vskip 60\p@
959     \begin{center}%
960       \TitleFont
961       {\LARGE \def\\{\penalty -\@M}
962         \if@allcaps
963           \expandafter\uc@nothanks\@title\thanks\relax
964         \else
965           \@title
966         \fi\par}%
967     \vskip 3em%
968     {\large
969       \lineskip .75em \parindent\z@
970       \begin{tabular}[t]{c}%
971         \if@allcaps
972           \expandafter\uc@authornothanks\@author\and\relax
973         \else
974           \@author
975         \fi
976       \end{tabular}\par}%
977     \vskip 1.5em%
978     {\large

```




```

979     \if@allcaps
980         \uppercase\expandafter{\@date}%
981     \else
982         \@date
983     \fi\par}%
984 \end{center}\par
985 \@thanks
986 \vfil\null
987 \end{titlepage}%
988 \setcounter{footnote}{0}%
989 \global\let\thanks\relax
990 \global\let\maketitle\relax
991 \global\let\@thanks\@empty
992 \global\let\@author\@empty
993 \global\let\@title\@empty
994 \global\let\@date\@empty
995 \global\let\title\relax
996 \global\let\author\relax
997 \global\let\date\relax
998 \global\let\and\relax
999 }
1000 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1001 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1002     \futurelet\@tempa\uc@ax}
1003 \def\uc@ax{%
1004     \ifx\@tempa\relax
1005     \else
1006         \\\ \andname \\\ \expandafter\uc@authornothanks
1007     \fi}
1008 \def\uc@tx{\ifx\@tempa\relax
1009     \else \expandafter\uc@ty \fi}
1010 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1011 \else
1012 \renewcommand*\maketitle{\par
1013     \begingroup
1014         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1015         \def\@makefnmark{\rlap{%
1016             \@textsuperscript{\normalfont\@thefnmark}}}%
1017         \long\def\@makefntext{\@xmakefntext{%
1018             \@textsuperscript{\normalfont\@thefnmark}}}%
1019         \if@twocolumn
1020             \ifnum \col@number=\@ne
1021                 \@maketitle
1022             \else
1023                 \twocolumn[\@maketitle]%
1024             \fi
1025         \else
1026             \newpage
1027             \global\@topnum\z@
1028             \@maketitle

```



```

1029   \fi
1030   \thispagestyle{plain}\@thanks
1031 \endgroup
1032 \setcounter{footnote}{0}%
1033 \global\let\thanks\relax
1034 \global\let\maketitle\relax
1035 \global\let\@maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\@maketitle{%
1046   \newpage
1047   \null
1048   \vskip 2em%
1049   \begin{center}%
1050     \let \footnote \thanks
1051     {\LARGE \TitleFont \@title \par}%
1052     \vskip 1.5em%
1053     {\large \TitleFont
1054       \lineskip .5em%
1055       \begin{tabular}[t]{c}%
1056         \@author
1057       \end{tabular}\par}%
1058     \vskip 1em%
1059     {\large \TitleFont \@date}%
1060   \end{center}%
1061   \par
1062   \vskip 1.5em}
1063 \fi

```

7.12 artikel2-xetex-bidi.def

```

1064 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
1065 \renewenvironment{theindex}{%
1066   \if@twocolumn
1067     \@restonecolfalse
1068   \else
1069     \@restonecoltrue
1070   \fi
1071   \columnseprule \z@
1072   \columnsep 35\p@
1073   \twocolumn[\section*{\indexname}]%
1074   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1075   \thispagestyle{plain}\parindent\z@

```



```

1076 \parskip\z@ \@plus .3\p@\relax
1077 \let\item\@idxitem
1078 }{%
1079 \if@restonecol\onecolumn\else\clearpage\fi}
1080 \renewcommand*\@regtocoline[3]{%
1081 \ifnum #1>\c@tocdepth
1082 \else
1083 \vskip\z@ \@plus .2\p@
1084 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1085 \if@RTL\rightskip\else\leftskip\fi\unitindent
1086 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1087 \parfillskip\z@
1088 \@tempdima\unitindent
1089 \advance\@tempdima by \othermargin
1090 \parindent\z@
1091 \leavevmode
1092 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1093 \hskip 1em \nobreak{\slshape #3}\par
1094 }%
1095 \fi}
1096 \if@oldtoc
1097 \renewcommand*\l@section[2]{%
1098 \addpenalty\@secpenalty
1099 \addvspace{1.0em \@plus\p@}%
1100 \setlength\@tempdima{1.5em}%
1101 \begingroup
1102 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1103 \parfillskip -\@pnumwidth
1104 \leavevmode \bfseries
1105 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1106 \hskip -\if@RTL\rightskip\else\leftskip\fi
1107 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1108 \endgroup}
1109 \else
1110 \renewcommand*\l@section{\@regtocoline{1}}
1111 \fi
1112 \if@oldtoc
1113 \renewcommand*\l@part[2]{%
1114 \ifnum \c@tocdepth >-2\relax
1115 \addpenalty\@secpenalty
1116 \addvspace{2.25em \@plus\p@}%
1117 \begingroup
1118 \setlength\@tempdima{3em}%
1119 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1120 \parfillskip -\@pnumwidth
1121 {\leavevmode
1122 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1123 \nobreak
1124 \if@compatibility
1125 \global\@nobreaktrue

```



```

1126     \everypar{\global\@nbreakfalse\everypar{}}%
1127     \fi
1128   \endgroup
1129 \fi}
1130 \else
1131   \renewcommand*\l@part{%
1132     \ifnum \c@tocdepth >-2\relax
1133     \addpenalty\@secpenalty
1134     \addvspace{2.25em \@plus \p@}%
1135     \@regtocline{0}%
1136   \fi}
1137 \fi
1138 \renewcommand*\head@style{%
1139   \interlinepenalty \@M
1140   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1141   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1142 \if@titlepage
1143   \renewenvironment{abstract}{%
1144     \titlepage
1145     \null\vfil
1146     \section*\SectFont\abstractname}%
1147     \noindent\ignorespaces}
1148     {\par\vfil\null\endtitlepage}
1149 \else
1150   \renewenvironment{abstract}{%
1151     \if@twocolumn
1152       \section*\abstractname}%
1153     \else
1154       \section*\hskip\unitindent\small\SectFont\abstractname}%
1155     \list{}{\setlength\listparindent{\unitindent}%
1156       \setlength\parindent {\z@}%
1157       \setlength\leftmargin {\unitindent}%
1158       \setlength\rightmargin {\unitindent}%
1159       \setlength\parsep {\z@}}%
1160     \item[]%
1161   \fi}
1162   {\if@twocolumn\else\par\endlist\fi}
1163 \fi
1164 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1165 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1166 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1167 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1168 \renewcommand*\left@footnoterule{%
1169   \kern-3\p@
1170   \hrule\@width 3\unitindent
1171   \kern 2.6\p@
1172 }
1173 \renewcommand*\right@footnoterule{%
1174   \kern-3\p@
1175   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```



```

1176 \kern 2.6\p@}
1177 \renewenvironment{thebibliography}[1]
1178   {\section*{\refname}%
1179    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1180    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1181    \list{\@biblabel{\@arabic\c@enumiv}}%
1182          {\settowidth\labelwidth{\@biblabel{#1}}%
1183           \leftmargin\labelwidth
1184           \advance\leftmargin\labelsep
1185           \@openbib@code
1186           \usecounter{enumiv}%
1187           \let\p@enumiv\@empty
1188           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1189    \sloppy\clubpenalty4000\widowpenalty4000
1190    \sfcode`..\@m}
1191    {\def\@noitemerr
1192     {\@latex@warning{Empty `thebibliography' environment}}%
1193     \endlist}
1194 \if@titlepage
1195 \renewcommand*\TitleFont{\rmfamily}
1196 \renewcommand*\maketitle{%
1197 \begin{titlepage}%
1198 \let\footnotesize\small
1199 \let\right@footnoterule\relax
1200 \let\left@footnoterule\relax
1201 \let\textwidth@footnoterule\relax
1202 \let \footnote \thanks
1203 \long\def\@makefnmark##1{\parindent\z@
1204 \def\labelitemi{\textendash}\@revlabeltrue
1205 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1206 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1207 \if@compatibility\setcounter{page}{0}\fi
1208 \null\vfil
1209 \vskip 60\p@
1210 \begin{center}%
1211 \TitleFont
1212 {\LARGE \def\{\{\penalty -\@M}
1213 \if@allcaps
1214 \expandafter\uc@nothanks\@title\thanks\relax
1215 \else
1216 \@title
1217 \fi\par}%
1218 \vskip 3em%
1219 {\large
1220 \lineskip .75em \parindent\z@
1221 \begin{tabular}[t]{c}%
1222 \if@allcaps
1223 \expandafter\uc@authornothanks\@author\and\relax
1224 \else
1225 \@author

```



```

1226         \fi
1227         \end{tabular}\par}%
1228     \vskip 1.5em%
1229     {\large
1230     \if@allcaps
1231         \uppercase\expandafter{\@date}%
1232     \else
1233         \@date
1234     \fi\par}%
1235     \end{center}\par
1236     \@thanks
1237     \vfil\null
1238 \end{titlepage}%
1239 \setcounter{footnote}{0}%
1240 \global\let\thanks\relax
1241 \global\let\maketitle\relax
1242 \global\let\@thanks\@empty
1243 \global\let\@author\@empty
1244 \global\let\@title\@empty
1245 \global\let\@date\@empty
1246 \global\let\title\relax
1247 \global\let\author\relax
1248 \global\let\date\relax
1249 \global\let\and\relax
1250 }
1251 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1252 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1253     \futurelet\@tempa\uc@ax}
1254 \def\uc@ax{%
1255     \ifx\@tempa\relax
1256     \else
1257         \ \ \andname \ \ \expandafter\uc@authornothanks
1258     \fi}
1259 \def\uc@tx{\ifx\@tempa\relax
1260     \else \expandafter\uc@ty \fi}
1261 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1262 \else
1263 \renewcommand*\maketitle{\par
1264     \begingroup
1265     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1266     \long\def\@makefn#1{\parindent\z@
1267         \def\labelitemi{\textendash}%
1268         \leavevmode\hb@xt@.5\unitindent{%
1269             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1270     \if@twocolumn
1271         \ifnum \col@number=\@ne
1272             \@maketitle
1273         \else
1274             \twocolumn[\@maketitle]%
1275         \fi

```



```

1276 \else
1277 \newpage
1278 \global\@topnum\z@
1279 \@maketitle
1280 \fi
1281 \thispagestyle{plain}\@thanks
1282 \endgroup
1283 \setcounter{footnote}{0}%
1284 \global\let\thanks\relax
1285 \global\let\maketitle\relax
1286 \global\let\@maketitle\relax
1287 \global\let\@thanks\@empty
1288 \global\let\@author\@empty
1289 \global\let\@title\@empty
1290 \global\let\@date\@empty
1291 \global\let\title\relax
1292 \global\let\author\relax
1293 \global\let\date\relax
1294 \global\let\and\relax
1295 }
1296 \def\@maketitle{%
1297 \newpage
1298 \null
1299 \vskip 2em%
1300 \begin{center}%
1301 \let \footnote \thanks
1302 {\LARGE \TitleFont \@title \par}%
1303 \vskip 1.5em%
1304 {\large \TitleFont
1305 \lineskip .5em%
1306 \begin{tabular}[t]{c}%
1307 \@author
1308 \end{tabular}\par}%
1309 \vskip 1em%
1310 {\large \TitleFont \@date}%
1311 \end{center}%
1312 \par
1313 \vskip 1.5em}
1314 \fi

```

7.13 artikel3-xetex-bidi.def

```

1315 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1316 \renewenvironment{theindex}{%
1317 \if@twocolumn
1318 \@restonecolfalse
1319 \else
1320 \@restonecoltrue
1321 \fi
1322 \columnseprule \z@

```



```

1323 \columnsep 35\p@
1324 \twocolumn[\section*{\indexname}]%
1325 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1326 \thispagestyle{plain}\parindent\z@
1327 \parskip\z@ \@plus .3\p@\relax
1328 \let\item\@idxitem
1329 }{%
1330 \if@restonecol\onecolumn\else\clearpage\fi}
1331 \renewcommand*\head@style{%
1332   \interlinepenalty \@M
1333   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1334   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1335 \renewcommand*\@regtocline[3]{%
1336   \ifnum #1>\c@tocdepth
1337     \else
1338       \vskip\z@\@plus.2\p@
1339       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1340        \if@RTL\rightskip\else\leftskip\fi\unitindent
1341        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1342        \parfillskip\z@
1343        \@tempdima\unitindent
1344        \parindent\z@
1345        \leavevmode
1346        \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1347        \hskip 1em \nobreak{\slshape #3}\par
1348       }%
1349   \fi}
1350 \if@oldtoc
1351 \renewcommand*\l@part[2]{%
1352   \ifnum \c@tocdepth >-2\relax
1353     \addpenalty\@secpenalty
1354     \addvspace{2.25em \@plus\p@}%
1355     \begingroup
1356       \setlength\@tempdima{3em}%
1357       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1358       \parfillskip -\@pnumwidth
1359       {\leavevmode
1360        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1361        \nobreak
1362        \if@compatibility
1363          \global\nobreaktrue
1364          \everypar{\global\nobreakfalse\everypar{}}%
1365        \fi
1366      \endgroup
1367   \fi}
1368 \else
1369 \renewcommand*\l@part{%
1370   \ifnum \c@tocdepth >-2\relax
1371     \addpenalty\@secpenalty
1372     \addvspace{2.25em \@plus \p@}%

```




```

1373     \@regtocline{0}%
1374   \fi}
1375 \fi
1376
1377 \if@oldtoc
1378 \renewcommand*\l@section[2]{%
1379   \addpenalty\@secpenalty
1380   \advspace{1.0em \@plus\p@}%
1381   \setlength\@tempdima{1.5em}%
1382   \begingroup
1383   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1384   \parfillskip -\@pnumwidth
1385   \leavevmode \bfseries
1386   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1387   \hskip -\if@RTL\rightskip\else\leftskip\fi
1388   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1389   \endgroup}
1390 \else
1391   \renewcommand*\l@section{\@regtocline{1}}
1392 \fi
1393 \if@titlepage
1394   \renewenvironment{abstract}{%
1395     \titlepage
1396     \null\vfil
1397     \section*{\SectFont\abstractname}%
1398     \noindent\ignorespaces}
1399     {\par\vfil\null\endtitlepage}
1400 \else
1401   \renewenvironment{abstract}{%
1402     \if@twocolumn
1403       \section*{\abstractname}%
1404     \else
1405       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1406       \section*{\small\SectFont\abstractname}%
1407       \noindent\ignorespaces
1408     \fi}
1409     {\if@twocolumn\else\par\egroup\fi}
1410 \fi
1411 \renewcommand*\left@footnoterule{%
1412   \kern-3\p@
1413   \kern.5\baselineskip
1414   \hrule\@width\unitindent
1415   \kern.4\baselineskip
1416 }
1417 \renewcommand*\right@footnoterule{%
1418   \kern-3\p@
1419   \kern.5\baselineskip
1420   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1421   \kern.4\baselineskip}
1422 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}

```



```

1423 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1424 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1425 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1426 \renewenvironment{thebibliography}[1]
1427     {\section*\refname}%
1428     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1429     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1430     \list{\@biblabel{\@arabic\c@enumiv}}%
1431         {\settowidth\labelwidth{\@biblabel{#1}}%
1432         \leftmargin\labelwidth
1433         \advance\leftmargin\labelsep
1434         \@openbib@code
1435         \usecounter{enumiv}%
1436         \let\p@enumiv\@empty
1437         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1438     \sloppy\clubpenalty4000\widowpenalty4000%
1439     \sfcode`..\@m}
1440     {\def\@noitemerr
1441     {\@latex@warning{Empty `thebibliography' environment}}%
1442     \endlist}
1443 \if@titlepage
1444 \renewcommand*\TitleFont{\rmfamily}
1445 \renewcommand*\maketitle{%
1446 \begin{titlepage}%
1447 \let\footnotesize\small
1448 \let\right@footnoterule\relax
1449 \let\left@footnoterule\relax
1450 \let\textwidth@footnoterule\relax
1451 \let \footnote \thanks
1452 \long\def\@makefnmark##1{\parindent\z@
1453 \def\labelitemi{\textendash}\@revlabeltrue
1454 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1455 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1456 \if@compatibility\setcounter{page}{0}\fi
1457 \null\vfil
1458 \vskip 60\p@
1459 \begin{center}%
1460 \TitleFont
1461 {\LARGE \def\\{\penalty -\@M}
1462 \if@allcaps
1463 \expandafter\uc@nothanks\@title\thanks\relax
1464 \else
1465 \@title
1466 \fi\par}%
1467 \vskip 3em%
1468 f\large
1469 \lineskip .75em \parindent\z@
1470 \begin{tabular}[t]{c}%
1471 \if@allcaps
1472 \expandafter\uc@authornothanks\@author\and\relax

```



```

1473         \else
1474             \@author
1475         \fi
1476     \end{tabular}\par}%
1477 \vskip 1.5em%
1478 {\large
1479     \if@allcaps
1480         \uppercase\expandafter{\@date}%
1481     \else
1482         \@date
1483     \fi\par}%
1484 \end{center}\par
1485 \@thanks
1486 \vfil\null
1487 \end{titlepage}%
1488 \setcounter{footnote}{0}%
1489 \global\let\thanks\relax
1490 \global\let\maketitle\relax
1491 \global\let\@thanks\@empty
1492 \global\let\@author\@empty
1493 \global\let\@title\@empty
1494 \global\let\@date\@empty
1495 \global\let\title\relax
1496 \global\let\author\relax
1497 \global\let\date\relax
1498 \global\let\and\relax
1499 }
1500 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1501 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1502     \futurelet\@tempa\uc@ax}
1503 \def\uc@ax{%
1504     \ifx\@tempa\relax
1505     \else
1506         \\\ \andname \\\ \expandafter\uc@authornothanks
1507     \fi}
1508 \def\uc@tx{\ifx\@tempa\relax
1509     \else \expandafter\uc@ty \fi}
1510 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1511 \else
1512 \renewcommand*\maketitle{\par
1513     \begingroup
1514         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1515         \def\@makefnmark{\rlap{%
1516             \@textsuperscript{\normalfont\@thefnmark}}}%
1517         \long\def\@makefntext{\xmakefntext{%
1518             \@textsuperscript{\normalfont\@thefnmark}}}%
1519         \if@twocolumn
1520             \ifnum \col@number=\@ne
1521                 \@maketitle
1522             \else

```



```

1523     \twocolumn[\@maketitle]%
1524     \fi
1525   \else
1526     \newpage
1527     \global\@topnum\z@
1528     \@maketitle
1529   \fi
1530   \thispagestyle{plain}\@thanks
1531 \endgroup
1532 \setcounter{footnote}{0}%
1533 \global\let\thanks\relax
1534 \global\let\maketitle\relax
1535 \global\let\@maketitle\relax
1536 \global\let\@thanks\@empty
1537 \global\let\@author\@empty
1538 \global\let\@title\@empty
1539 \global\let\@date\@empty
1540 \global\let\title\relax
1541 \global\let\author\relax
1542 \global\let\date\relax
1543 \global\let\and\relax
1544 }
1545 \def\@maketitle{%
1546   \newpage
1547   \null
1548   \vskip 2em%
1549   \if@titlecentered
1550     \begin{center}%
1551       \let \footnote \thanks
1552       {\LARGE \TitleFont \@title \par}%
1553       \vskip 1.5em%
1554       {\large \TitleFont
1555         \lineskip .5em%
1556         \begin{tabular}[t]{c}%
1557           \@author
1558         \end{tabular}\par}%
1559       \vskip 1em%
1560       {\large \TitleFont \@date}%
1561     \end{center}%
1562   \else
1563     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1564     {\large \TitleFont \lineskip .5em \tabcolsep\z@
1565       \def\and{%% \begin{tabular} has already started
1566         \end{tabular}\hskip 1em plus .17fil
1567         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular} will
1568         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1569     \vskip 1em {\large \TitleFont \@date}
1570   \fi
1571   \par
1572   \vskip 1.5em}

```



1573 \fi

7.14 arydshln-xetex-bidi.def

```
1574 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1575 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1576 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1577 \expandafter\let\csname endtabular*\endcsname\endtabular
1578 \let\adl@array\@array
1579 \def\@array{\adl@everyvbox\everyvbox
1580     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1581     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1582     \let\adl@noalign\noalign
1583     \adl@array}
1584 \ifadl@usingarypkg
1585 \def\@testpach{\@chclass
1586 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1587 \ifnum \@lastchclass=7 5 \else
1588 \ifnum \@lastchclass=8 \tw@ \else
1589 \ifnum \@lastchclass=9 \thr@@
1590 \else \z@
1591 \ifnum \@lastchclass = 10 \else
1592 \edef\@nextchar{\expandafter\string\@nextchar}%
1593 \@chnum
1594 \if \@nextchar c\z@ \else
1595 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1596 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1597 \z@ \@chclass
1598 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1599 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1600 \if\@nextchar ;\@ne \let\@arrayrule\adl@cargarraydashrule \else
1601 \if \@nextchar !6 \else
1602 \if \@nextchar @7 \else
1603 \if \@nextchar <8 \else
1604 \if \@nextchar >9 \else
1605 10
1606 \@chnum
1607 \if \@nextchar m\thr@@\else
1608 \if \@nextchar p4 \else
1609 \if \@nextchar b5 \else
1610 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1611 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1612
1613 \def\@classz{\@classx
1614     \@tempcnta \count@
1615     \prepnext@tok
1616     \@addtopreamble{\ifcase \@chnum
1617         \hfil
1618         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1619         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
```



```

1620 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1621 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1622 \adl@endmbox\or
1623 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1624 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1625 \fi}\prepnext@tok}
1626 \def\adl@class@start{4}
1627 \def\adl@class@iiiorvii{7}
1628
1629 \else
1630 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1631 \ifnum \@lastchclass=\thr@@ 5\relax \else
1632 \z@ \if #1c\@chnum \z@ \else
1633 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1634 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1635 \@chclass
1636 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1637 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1638 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1639 \if #1@\tw@ \else
1640 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1641 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1642
1643 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1644 \or \or \@addamp \or
1645 \@acolampacol \or \@firstampfalse \@acol \fi
1646 \edef\@preamble{\@preamble
1647 \ifcase \@chnum
1648 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1649 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1650 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1651 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652 \or \or \@addamp \or
1653 \@acolampacol \or \@firstampfalse \@acol \fi
1654 \edef\@preamble{\@preamble
1655 \ifcase \@chnum
1656 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1657 \or \adl@putlrc{\@sharp\unskip}\hfil
1658 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1659 \def\adl@class@start{6}
1660 \def\adl@class@iiiorvii{3}
1661 \fi
1662 \@ifpackageloaded{colortbl}{%
1663 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1664 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1665 \let\@endpbox\adl@org@endpbox}
1666 \let\adl@CT@setup\CT@setup
1667 \def\CT@setup{\adl@CT@setup
1668 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1669 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi

```



```

1670      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1671 \let\adl@act@CT@setup@CT@setup
1672 \def\@classz{\@classz
1673     \@tempcnta\count@ \prepnext@tok
1674     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1675     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1676     \expandafter\adl@extract@drsc
1677     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1678     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1679     \@addtopreamble{\if@RTL\beginL\fi%
1680         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1681         \ifcase \@chnum
1682             \hskip\stretch{.5}\kern\z@
1683             \d@llarbegin
1684             \insert@column
1685             \d@llarend\hskip\stretch{.5}%
1686         \or \d@llarbegin \insert@column \d@llarend \hfill
1687         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1688         \or $\vcenter
1689             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1690         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1691         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1692         \fi
1693         \if@RTL\endR\fi\egroup\egroup
1694         \begingroup
1695             \CT@setup
1696             \CT@column@color
1697             \CT@row@color
1698             \CT@cell@color
1699             \CT@do@color
1700         \endgroup
1701         \@tempdima\ht\z@
1702         \advance\@tempdima\minrowclearance
1703         \vrule\@height\@tempdima\@width\z@
1704         \unhbox\z@\if@RTL\endL\fi}%
1705     \prepnext@tok}
1706 \let\adl@act@classz\@classz
1707 \let\adl@org@classz\@classz
1708 }{}}

```

7.15 bidi.sty

```

1709 \NeedsTeXFormat{LaTeX2e}
1710 \def\bididate{2015/12/07}
1711 \def\bidiversion{v19.1}
1712 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1713 Bidirectional typesetting in plain TeX and LaTeX]
1714 \edef\@bidi@info{*****~J%
1715 * ~J%
1716 * bidi package (Bidirectional typesetting in~J%

```



```

1717 * plain TeX and LaTeX, using XeTeX engine)^^J%
1718 * ^^J%
1719 * Description: A convenient interface for^^J%
1720 * typesetting bidirectional texts in plain TeX^^J%
1721 * and LaTeX. The package includes adaptations^^J%
1722 * for use with many other commonly-used packages.^^J%
1723 * ^^J%
1724 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1725 * ^^J%
1726 * \bididate, \bidiversion^^J%
1727 * ^^J%
1728 * License: LaTeX Project Public License, version^^J%
1729 * 1.3c or higher (your choice)^^J%
1730 * ^^J%
1731 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1732 * ^^J%
1733 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1734 * ^^J%
1735 * Support: persian-tex@tug.org^^J%
1736 *****}
1737 \typeout{\@bidi@info}
1738 \edef\bidi@everyjob{\the\everyjob}
1739 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1740 \RequirePackage{iftex}
1741 \RequireXeTeX
1742 \RequirePackage{biditools}
1743 \RequirePackage{zref-abspage}
1744 \RequirePackage{auxhook}
1745 \RequirePackage{ltxcms}
1746 \RequirePackage{xkeyval}
1747 \eqnewif{\if@RTLmain}{\if@rlmain}
1748 \eqnewif{\if@RTL}{\if@rl}
1749 \newif\if@Latin
1750 \eqnewif{\if@RTLtab}{\if@tab@rl}
1751 \newif\if@RTLmarginpar
1752 \newif\if@LTRmarginpar
1753 \newif\if@LTRbibitems
1754 \newif\if@RTLbibitems
1755 \newif\if@extrafootnotefeatures
1756 \newif\if@parafootRTL
1757 \newif\if@RTLcolumnfootnotes
1758 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1759 \newif\if@bidi@list@minipage@parbox
1760 \newif\if@bidi@list@minipage@parbox@not@nob
1761 \@RTLmainfalse
1762 \AtBeginDocument{%
1763   \if@RTLmain\else
1764     \if@RTL\@RTLmaintrue%
1765     \else\@RTLmainfalse%
1766     \fi%

```




```

1767 \fi%
1768 }
1769 \let\n@xt=\
1770 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1771 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1772 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1773 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1774 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1775 \errmessage{Missing left brace has been substituted}\fi \bgroup}
1776 \input{latex-xetex-bidi.def}
1777 \input{loadingorder-xetex-bidi.def}
1778 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1779 \ifcase\bidi@tempb\relax
1780 \RTLtrue
1781 \or
1782 \RTLfalse
1783 \fi}
1784 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1785 \ifcase\bidi@tempb\relax
1786 \RTLtrue
1787 \or
1788 \RTLfalse
1789 \fi}
1790 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1791 \ifcase\bidi@tempb\relax
1792 \autofootnoterule
1793 \or
1794 \leftfootnoterule
1795 \or
1796 \rightfootnoterule
1797 \or
1798 \SplitFootnoteRule
1799 \or
1800 \textwidthfootnoterule
1801 \fi}
1802 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1803 \ifcase\bidi@tempb\relax
1804 \RTL@footnotetrue
1805 \or
1806 \RTL@footnotefalse
1807 \fi}
1808 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1809 \ifcase\bidi@tempb\relax
1810 \footdir@debugtrue
1811 \or
1812 \footdir@debugfalse
1813 \fi}
1814 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1815 \ifcase\bidi@tempb\relax
1816 \@extrafootnotefeaturestrue

```



```

1817 \or
1818 \extrafootnotefeaturesfalse
1819 \fi}
1820
1821 \ProcessOptionsX
1822
1823 \ifextrafootnotefeatures
1824 \input{extrafootnotefeatures-xetex-bidi.def}
1825 \fi

```

7.16 bidi.tex

```

1826 \def\bididate{2015/10/16}
1827 \def\bidiversion{v0.3}
1828 \catcode`@=11
1829 \let \protect \relax
1830 \newlinechar`^^J
1831 \edef\@bidi@info{*****^^J%
1832 * ^^J%
1833 * bidi package (Bidirectional typesetting in^^J%
1834 * plain TeX and LaTeX, using XeTeX engine)^^J%
1835 * ^^J%
1836 * Description: A convenient interface for^^J%
1837 * typesetting bidirectional texts in plain TeX^^J%
1838 * and LaTeX. The package includes adaptations^^J%
1839 * for use with many other commonly-used packages.^^J%
1840 * ^^J%
1841 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1842 * ^^J%
1843 * \bididate, \bidiversion^^J%
1844 * ^^J%
1845 * License: LaTeX Project Public License, version^^J%
1846 * 1.3c or higher (your choice)^^J%
1847 * ^^J%
1848 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1849 * ^^J%
1850 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1851 * ^^J%
1852 * Support: persian-tex@tug.org^^J%
1853 *****}
1854 \message{\@bidi@info}
1855 \edef\bidi@everyjob{\the\everyjob}
1856 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1857 \input iftex.sty
1858 \RequireXeTeX
1859 \newif\if@RTLmain
1860 \newif\if@RTL
1861 \newif\if@sntdir
1862 \newif\if@RTL@footnote
1863 \@RTLmainfalse

```



```

1864 \def\setRTLmain{%
1865   \ifRTLmain\else
1866     \ifRTL\@RTLmaintrue%
1867     \else\@RTLmainfalse%
1868     \fi%
1869   \fi%
1870 }
1871 \let\n@xt=\
1872 \protected\def\LRE{\protect\pLRE}%
1873 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1874 \protected\def\RLE{\protect\pRLE}
1875 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1876 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1877   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1878 \input plain-xetex-bidi.def
1879 \catcode`@=12

```

7.17 bidi2in1.sty

```

1880 \NeedsTeXFormat{LaTeX2e}
1881 \ProvidesPackage{bidi2in1}
1882 \pagestyle{plain}
1883 \newcount\evenpage
1884 \newcount\oddpge
1885 \twocolumn
1886 \def\@oddfoot{\evenpage=\thepage%
1887 \multiply\evenpage by 2%
1888 \oddpge=\the\evenpage%
1889 \advance\oddpge by -1%
1890 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1891 \def\@evenfoot{\evenpage=\thepage%
1892 \multiply\evenpage by 2%
1893 \oddpge=\the\evenpage%
1894 \advance\oddpge by -1%
1895 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1896 \textwidth 9.49in
1897 \textheight 6.7in
1898 \columnsep 0.9in
1899 \columnseprule 0.125pt
1900 \headheight 0cm
1901 \topmargin 0in
1902 \marginparwidth 0in
1903 \marginparsep 0in
1904 \hoffset 0.05in % Corrected
1905 \voffset -0.5in %top margin space is 1.0in by default
1906 \oddsidemargin 0in
1907 \evensidemargin 0in
1908 \headsep 0cm
1909 \topskip 0cm
1910 \parskip 0.15in %

```



```

1911 \headsep 0pt
1912 \special{papersize=11.69in,8.26in}
1913 \renewcommand\maketitle{\par
1914 \begingroup
1915 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1916 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1917 \long\def\@makefntext##1{\parindent 1em\noindent
1918 \hb@xt@1.8em{%
1919 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1920 \@maketitle
1921 \@thanks
1922 \endgroup
1923 \setcounter{footnote}{0}%
1924 \global\let\thanks\relax
1925 \global\let\maketitle\relax
1926 \global\let\@maketitle\relax
1927 \global\let\@thanks\@empty
1928 \global\let\@author\@empty
1929 \global\let\@date\@empty
1930 \global\let\@title\@empty
1931 \global\let\title\relax
1932 \global\let\author\relax
1933 \global\let\date\relax
1934 \global\let\and\relax
1935 }

```

7.18 bidicode.sty

```

1936 \NeedsTeXFormat{LaTeX2e}
1937 \ProvidesPackage{bidicode}
1938 \RequirePackage{xcolor}
1939 \RequirePackage{showexpl}
1940 \definecolor{hellgelb}{rgb}{1,1,0.85}
1941 \definecolor{colKeys}{rgb}{0,0,1}
1942 \definecolor{colIdentifier}{rgb}{0,0,0}
1943 \definecolor{colComments}{rgb}{1,0,0}
1944 \definecolor{colString}{rgb}{0,0.5,0}
1945 \lstset{
1946   language=[LaTeX]TEX,
1947   float=hbp,
1948   basicstyle=\ttfamily\small,
1949   identifierstyle=\color{colIdentifier},
1950   keywordstyle=\color{colKeys},
1951   stringstyle=\color{colString},
1952   commentstyle=\color{colComments},
1953   columns=flexible,
1954   tabsize=4,
1955   gobble =1,
1956   extendedchars=true,
1957   showspaces=false,

```



```

1958     showstringspaces=false,
1959     numbers=left,
1960     numbersep=0.9em,
1961     numberstyle=\tiny, %
1962     frame=single,
1963     captionpos=b,
1964     xleftmargin=1em,
1965     breaklines=true,
1966     breakautoindent=false,
1967     breakindent=0pt,
1968     escapeinside=**,
1969     pos=r,
1970     explpreset={%
1971     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1972     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1973 }
1974 \newcommand\HLON{%
1975   \gdef\lst@alloverstyle##1{%
1976     \fboxrule=0pt
1977     \fboxsep=0pt
1978     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1979 }}
1980 \newcommand\HLOFF{%
1981   \xdef\lst@alloverstyle##1{##1}%
1982 }
1983 \newcommand\Larg [1]{\normalfont\itshape#1\!/}
1984 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
1985 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1986 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1987 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1988 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}}
1989 \newcommand\LEND[1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}}
1990
1991 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1992 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1993 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
1994 \DeclareRobustCommand\lsb{\normalfont\ttfamily[ ]}
1995 \DeclareRobustCommand\rsb{\normalfont\ttfamily[ ]}
1996 \DeclareRobustCommand\lrb{\normalfont\ttfamily( )}
1997 \DeclareRobustCommand\rrb{\normalfont\ttfamily( )}
1998
1999 \def\Lcs#1{\nxLcs{#1}}
2000 \def\LcsStar#1{\nxLcs{#1}\OptArg*{ }}
2001 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2002
2003 \def\Coordx#1{$x_{#1}$}
2004 \def\Coordy#1{$y_{#1}$}
2005 \def\Coordz#1{$z_{#1}$}
2006 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2007 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}

```



```

2008 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2009 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
2010 \def\CIIIIAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
2011 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2012 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2013 \def\coordiii#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2014 \def\coordx#1{($x_{#1}$)}
2015 \def\coordy#1{($y_{#1}$)}
2016 \def\coordz#1{($z_{#1}$)}
2017 \def\cAny{\Coordx{}},\kern 1pt\Coordy{}
2018 \def\ciiiiAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
2019
2020 \newsavebox{\boxdef}
2021 \newenvironment{BDef}
2022   {\begin{lrbox}\boxdef
2023     \def\arraystretch{1.0}
2024     \begin{tabular}{@{}l@{}l@{}l@{}}
2025   }
2026   {\end{tabular}\end{lrbox}
2027
2028   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2029   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2030   }
2031
2032 \newenvironment{BDef*}
2033   {\begin{lrbox}\boxdef
2034     \def\arraystretch{1.0}
2035     \begin{tabular}{@{}l@{}l@{}l@{}}
2036   }
2037   {\end{tabular}\end{lrbox}
2038   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2039   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2040   }
2041 \newenvironment{BCmd}{
2042   \@beginparpenalty-\@lowpenalty
2043   \topsep\BDefaboveskip
2044   \fbboxsep3pt
2045   \flushleft}
2046 {\@endparpenalty\@M
2047 \@topsepadd\BDefbelowskip
2048 \endflushleft}
2049
2050 \newenvironment{BCmd*}{
2051   \@beginparpenalty\@M
2052   \topsep\BDefinlineskip
2053   \fbboxsep3pt
2054   \flushleft}
2055 {\@endparpenalty5000
2056 \endflushleft}
2057

```



```

2058 \newskip\BDefaboveskip
2059 \newskip\BDefbelowskip
2060 \newskip\BDefinlineskip
2061 \setlength\BDefaboveskip{10pt plus 4pt}
2062 \setlength\BDefbelowskip{6pt}
2063 \setlength\BDefinlineskip{6pt}
2064
2065 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2066 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
2067 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2068 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.19 bidiftnextra.sty

```

2069 \NeedsTeXFormat{LaTeX2e}
2070 \ProvidesPackage{bidiftnextra}
2071 \newtoks\bidip@ftn
2072 \let\FN@sf@@footnote\footnote
2073 \let\FN@sf@LTRfootnote\LTRfootnote
2074 \let\FN@sf@RTLfootnote\RTLfootnote
2075 \def\footnote{\ifx\protect\@typeset@protect
2076   \expandafter\FN@sf@@footnote
2077   \else
2078   \expandafter\FN@sf@gobble@opt
2079   \fi
2080 }
2081 \def\LTRfootnote{\ifx\protect\@typeset@protect
2082   \expandafter\FN@sf@LTRfootnote
2083   \else
2084   \expandafter\FN@sf@gobble@opt
2085   \fi
2086 }
2087 \def\RTLfootnote{\ifx\protect\@typeset@protect
2088   \expandafter\FN@sf@RTLfootnote
2089   \else
2090   \expandafter\FN@sf@gobble@opt
2091   \fi
2092 }
2093 \edef\FN@sf@gobble@opt{\noexpand\protect
2094   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
2095 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
2096   \@ifnextchar[%]
2097     \FN@sf@gobble@twobrace
2098     \@gobble
2099 }
2100 \def\FN@sf@gobble@twobrace[#1]#2{
2101 \let\FN@sf@@footnotemark\footnotemark
2102 \def\footnotemark{\ifx\protect\@typeset@protect
2103   \expandafter\FN@sf@@footnotemark
2104   \else

```



```

2105 \expandafter\FN@sf@gobble@optonly
2106 \fi
2107 }
2108 \edef\FN@sf@gobble@optonly{\noexpand\protect
2109 \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
2110 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
2111 \ifnextchar[%]
2112 \FN@sf@gobble@bracket
2113 }%
2114 }
2115 \def\FN@sf@gobble@bracket[#1]{%
2116 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
2117 \leavevmode \hbox \bgroup
2118 \let\@footnotetext\@bidi@p@ftntext
2119 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2120 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2121 \let\@xfootnotenext\@bidi@p@xftntext
2122 \let\@xfootnote\@bidi@p@xfootnote
2123 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2124 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2125 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2126 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2127 \ifRTLtab\beginR \fi
2128 $\let\@acol\@tabacol
2129 \let\@classz\@tabclassz
2130 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2131 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
2132 \egroup $\ifRTLtab\endR\fi\egroup
2133 \ifx\@capytype\@undefined
2134 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
2135 \global\@RTLtabfalse}
2136 \long\def\@bidi@p@ftntext#1{%
2137 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2138 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2139 \long\def\@bidi@p@LTRftntext#1{%
2140 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2141 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2142 \long\def\@bidi@p@RTLftntext#1{%
2143 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2144 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2145
2146
2147 \long\def\@bidi@p@xftntext[#1]#2{%
2148 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2149
2150 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2151 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2152
2153 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2154 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}

```




```

2155
2156
2157 \def\bidi@p@xfootnote[#1]{%
2158   \begingroup
2159     \csname c@\@mpfn\endcsname #1\relax
2160     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2161   \endgroup
2162   \@footnotemark\bidi@p@xftntext[#1]}
2163
2164
2165 \def\bidi@p@xLTRfootnote[#1]{%
2166   \begingroup
2167     \csname c@\@mpfn\endcsname #1\relax
2168     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2169   \endgroup
2170   \@footnotemark\bidi@p@xLTRftntext[#1]}
2171
2172
2173 \def\bidi@p@xRTLfootnote[#1]{%
2174   \begingroup
2175     \csname c@\@mpfn\endcsname #1\relax
2176     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2177   \endgroup
2178   \@footnotemark\bidi@p@xRTLftntext[#1]}
2179
2180 \def\@xfloat #1[#2]{%
2181   \@nodocument
2182   \def \@capttype {#1}%
2183   \def \@fps {#2}%
2184   \@onelevel@sanitize \@fps
2185   \def \reserved@b {!}%
2186   \ifx \reserved@b \@fps
2187     \@fpsaddddefault
2188   \else
2189     \ifx \@fps \@empty
2190       \@fpsaddddefault
2191     \fi
2192   \fi
2193   \ifhmode
2194     \@bsphack
2195     \@floatpenalty -\@Mii
2196   \else
2197     \@floatpenalty-\@Miii
2198   \fi
2199   \ifinner
2200     \@parmoderr\@floatpenalty\z@
2201   \else
2202     \@next\@currbox\@freelist
2203     {%
2204       \@tempcnta \sixt@n

```



```

2205 \expandafter \@tfor \expandafter \reserved@a
2206 \expandafter :\expandafter =\@fps
2207 \do
2208 {%
2209 \if \reserved@a h%
2210 \ifodd \@tempcnta
2211 \else
2212 \advance \@tempcnta \@ne
2213 \fi
2214 \fi
2215 \if \reserved@a t%
2216 \@setfpsbit \tw@
2217 \fi
2218 \if \reserved@a b%
2219 \@setfpsbit 4%
2220 \fi
2221 \if \reserved@a p%
2222 \@setfpsbit 8%
2223 \fi
2224 \if \reserved@a !%
2225 \ifnum \@tempcnta>15
2226 \advance\@tempcnta -\sixt@@n\relax
2227 \fi
2228 \fi
2229 }%
2230 \@tempcntb \csname ftype@\@capttype \endcsname
2231 \multiply \@tempcntb \@xxxii
2232 \advance \@tempcnta \@tempcntb
2233 \global \count\@currbox \@tempcnta
2234 }%
2235 \@fltovf
2236 \fi
2237 \global \setbox\@currbox
2238 \color@vbox
2239 \normalcolor
2240 \vbox \bgroup
2241 \let\@footnotetext\@bidi@p@ftntext
2242 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2243 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2244 \let\@xfootnotenext\@bidi@p@xftntext
2245 \let\@xfootnote\@bidi@p@xfootnote
2246 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2247 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2248 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2249 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2250 \hsize\columnwidth
2251 \@parboxrestore
2252 \@floatboxreset
2253 }
2254 \def \@endfloatbox{%

```



```

2255     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2256     \@minipagefalse
2257     \outer@nobreak
2258     \egroup                %% end of vbox
2259     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2260     \color@endbox
2261 }

```

7.20 bidi-longtable.sty

```

2262 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2263 \def\longtable{\if@RTL@RTLtabtrue\fi%
2264   \par
2265   \ifx\multicols\@undefined
2266   \else
2267     \ifnum\col@number>\@ne
2268     \@twocolumntrue
2269     \fi
2270   \fi
2271   \if@twocolumn
2272     \LT@err{longtable not in 1-column mode}\@ehc
2273   \fi
2274   \begingroup
2275   \@ifnextchar[\LT@array{\LT@array[x]}]
2276 \def\endlongtable{%
2277   \crrc
2278   \noalign{%
2279     \let\LT@entry\LT@entry@chop
2280     \xdef\LT@save@row{\LT@save@row}}%
2281   \LT@echunk
2282   \LT@start
2283   \unvbox\z@
2284   \LT@get@widths
2285   \if@filesw
2286     {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2287       \gdef\expandafter\noexpand
2288         \csname LT@romannumeral\c@LT@tables\endcsname
2289         {\LT@save@row}}}%
2290   \fi
2291   \ifx\LT@save@row\LT@save@row
2292   \else
2293     \LT@warn{Column \@width s have changed\MessageBreak
2294             in table \thetable}%
2295   \LT@final@warn
2296   \fi
2297   \endgraf\penalty -\LT@end@pen
2298   \endgroup
2299   \global\@mparbottom\z@
2300   \pagegoal\vsizer
2301   \endgraf\penalty\z@\advspace\LTpost

```



```

2302 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2303 \def\LT@output{%
2304   \ifnum\outputpenalty <-\@Mi
2305     \ifnum\outputpenalty > -\LT@end@pen
2306       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2307     \else
2308       \setbox\z@\vbox{\unvbox\@cclv}%
2309       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2310         \dimen@\pagegoal
2311         \advance\dimen@-\ht\LT@lastfoot
2312         \ifdim\dimen@<\ht\z@
2313           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2314           \@makecol
2315           \@outputpage
2316           \setbox\z@\vbox{\box\LT@head}%
2317         \fi
2318       \fi
2319       \global\@colroom\@colht
2320       \global\vsizel\@colht
2321       \vbox
2322         {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2323         \fi
2324       \else
2325         \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2326         \@makecol
2327         \@outputpage
2328         \global\vsizel\@colroom
2329         \copy\LT@head\nobreak
2330       \fi}

```

7.21 bidimoderncv.cls

```

2331 \NeedsTeXFormat{LaTeX2e}
2332 \ProvidesClass{bidimoderncv}
2333 \newif\if@DEBUG\@DEBUGfalse
2334 \DeclareOption{a4paper}{
2335   \setlength\paperheight{297mm}
2336   \setlength\paperwidth{210mm}}
2337 \DeclareOption{a5paper}{
2338   \setlength\paperheight{210mm}
2339   \setlength\paperwidth{148mm}}
2340 \DeclareOption{b5paper}{
2341   \setlength\paperheight{250mm}
2342   \setlength\paperwidth{176mm}}
2343 \DeclareOption{letterpaper}{
2344   \setlength\paperheight{11in}
2345   \setlength\paperwidth{8.5in}}
2346 \DeclareOption{legalpaper}{
2347   \setlength\paperheight{14in}
2348   \setlength\paperwidth{8.5in}}

```



```

2349 \DeclareOption{executivepaper}{
2350   \setlength\paperheight{10.5in}
2351   \setlength\paperwidth{7.25in}}
2352 \DeclareOption{landscape}{
2353   \setlength\@tempdima{\paperheight}
2354   \setlength\paperheight{\paperwidth}
2355   \setlength\paperwidth{\@tempdima}}
2356 \newcommand\@ptsize{}
2357 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2358 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2359 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2360 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2361 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2362 \newif\if@colour\@colourtrue
2363 \DeclareOption{nocolour}{\@colourfalse}
2364 \ExecuteOptions{a4paper,11pt,colour,final}
2365 \ProcessOptions\relax
2366 \input{size1\@ptsize.clo}
2367 \RequirePackage{color}
2368 \RequirePackage{graphicx}
2369 \RequirePackage{ifthen}
2370 \RequirePackage{marvosym}
2371 \addtolength{\oddsidemargin}{-54pt}
2372 \addtolength{\textwidth}{109pt}
2373 \addtolength{\topmargin}{-70pt}
2374 \addtolength{\textheight}{122pt}
2375 \addtolength{\marginparsep}{-5pt}
2376 \addtolength{\marginparwidth}{-10pt}
2377 \RequirePackage{url}
2378 \RequirePackage{hyperref}
2379 \hypersetup{
2380   breaklinks,
2381   baseurl      = http://,%
2382   pdfborder    = 0 0 0,%
2383   pdfpagemode  = UseNone,%
2384   pdfstartpage = 1}
2385 \AtEndOfClass{%
2386   \AtBeginDocument{%
2387     \hypersetup{
2388       pdfauthor   = \@firstname~\@familyname,%
2389       pdftitle    = \@title,%
2390       pdfsubject  = \@firstname~\@familyname,%
2391       pdfkeywords = \@resumename~\@firstname~\@familyname}}}
2392 \urlstyle{tt}
2393 \RequirePackage{fancyhdr}
2394 \fancypagestyle{plain}{%
2395   \renewcommand{\headrulewidth}{0pt}
2396   \renewcommand{\footrulewidth}{0pt}
2397   \fancyhf{}}
2398 \pagestyle{plain}

```



```

2399 \setlength\lineskip{1\p@}
2400 \setlength\normallineskip{1\p@}
2401 \renewcommand\baselinestretch{}
2402 \setlength{\parindent}{0pt}
2403 \setlength{\parskip}{0pt}
2404 \setlength\columnsep{10\p@}
2405 \setlength\columnseprule{0\p@}
2406 \pagestyle{empty}
2407 \pagenumbering{arabic}
2408 \raggedbottom
2409 \onecolumn
2410 \providecommand*\listitemsymbol{\textbullet}
2411 \providecommand*\addresssymbol{}
2412 \providecommand*\mobilesymbol{\Mobilefone}
2413 \providecommand*\phonesymbol{\Telefon}
2414 \providecommand*\faxsymbol{\FAX}
2415 \providecommand*\emailsymbol{\Letter}
2416 \definecolor{firstnamecolor}{rgb}{0,0,0}
2417 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2418 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2419 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2420 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2421 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2422 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2423 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2424 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2425 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2426 \providecommand*\firstnamefont{}
2427 \providecommand*\familynamefont{}
2428 \providecommand*\titlefont{}
2429 \providecommand*\addressfont{}
2430 \providecommand*\quotefont{}
2431 \providecommand*\sectionfont{}
2432 \providecommand*\subsectionfont{}
2433 \providecommand*\hintfont{\small}
2434 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1}}
2435 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamcolour#1}}
2436 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1}}
2437 \providecommand*\addressstyle[1]{\{\@addressfont\@addresscolour#1}}
2438 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1}}
2439 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1}}
2440 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1}}
2441 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1}}
2442 \newcommand*\cvtheme}[2] [] {
2443   \def\@cvtheme#2}
2444   \def\@cvthemeoptions#1}}
2445 \cvtheme{bidi-casual}
2446 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2447 \newcommand*\resumename[1]{\def\@resumename#1}}
2448 \newcommand*\firstname[1]{\def\@firstname#1}}

```



```

2449 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2450 \renewcommand*{\title}[1]{\def\@title{#1}}
2451 \newcommand*{\address}[1]{\def\@address{#1}}
2452 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2453 \newcommand*{\phone}[1]{\def\@phone{#1}}
2454 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2455 \newcommand*{\email}[1]{\def\@email{#1}}
2456 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2457 \def\@photowidth{0pt}
2458 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2459 \newcommand*{\quote}[1]{\def\@quote{#1}}
2460 \newlength{\quotewidth}
2461 \newlength{\hintscolumnwidth}
2462 \newlength{\separatorcolumnwidth}
2463 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2464 \newlength{\maincolumnwidth}
2465 \newlength{\doubleitemmaincolumnwidth}
2466 \newlength{\listitemsymbolwidth}
2467 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2468 \newlength{\listitemmaincolumnwidth}
2469 \newlength{\listdoubleitemmaincolumnwidth}
2470 \newcommand*{\recomputethemelengths}{}
2471 \newcommand*{\recomputelengths}{%
2472 \setlength{\quotewidth}{0.65\textwidth}%
2473 \setlength{\maincolumnwidth}{\textwidth}%
2474 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2475 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2476 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2477 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2478 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2479 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2480 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2481 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2482 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2483 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2484 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2485 \renewcommand{\headwidth}{\textwidth}%
2486 \recomputethemelengths}
2487 \setlength{\hintscolumnwidth}{0.15\textwidth}
2488 \recomputelengths
2489 \title{}
2490 \renewcommand*{\maketitle}{}
2491 \newcommand*{\section}[1]{%
2492 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2493 \phantomsection}%
2494 \addcontentsline{toc}{part}{#1}%
2495 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2496 \hspace{\separatorcolumnwidth}}%
2497 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@}[1ex]}
2498 \newcommand*{\subsection}[1]{%

```



```

2499 \cvline[0.45em]{-}{\subsectionstyle{#1}}
2500 \newcommand*{\cvline}[3][.25em]{%
2501 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2502 \bidi@raggedleft\hintfont{#2} &{#3}%
2503 \end{tabular}}\{#1}}
2504 \newcommand*{\cvdoubleitem}[4]{%
2505 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2506 \hfill%
2507 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2508 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2509 \cvline[Opt]{-}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2510 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2511 \cvline[Opt]{-}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2512 \hfill%
2513 \ifthenelse{\equal{#3}{}}%
2514 {}%
2515 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
2516 \newcommand*{\cventry}[6]{%
2517 \cvline{#1}{%
2518 {\bfseries#2}%
2519 \ifx#3\else{, \slshape#3}\fi%
2520 \ifx#4\else{, #4}\fi%
2521 \ifx#5\else{, #5}\fi%
2522 .%
2523 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}\fi
2524 }%
2525 \newcommand*{\cvlanguage}[3]{%
2526 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2527 \newcommand*{\cvcomputer}[4]{%
2528 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2529 \newcommand*{\link}[2][ ]{%
2530 \ifthenelse{\equal{#1}{}}%
2531 {\href{#2}{#2}}%
2532 {\href{#2}{#1}}}
2533 \newcommand*{\httplink}[2][ ]{%
2534 \ifthenelse{\equal{#1}{}}%
2535 {\href{http://#2}{#2}}%
2536 {\href{http://#2}{#1}}}
2537 \newcommand*{\emailink}[2][ ]{%
2538 \ifthenelse{\equal{#1}{}}%
2539 {\href{mailto:#2}{#2}}%
2540 {\href{mailto:#2}{#1}}}
2541 \newif\if@displaypagenumbers\@displaypagenumberstrue
2542 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2543 \AtBeginDocument{%
2544 \if@displaypagenumbers%
2545 \@ifundefined{r@lastpage}{-}{%
2546 \ifthenelse{\pageref{lastpage} > 1}{%
2547 \fancypagestyle{plain}{%
2548 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref

```




```

2549     \pagestyle{plain}}{}}%
2550 \AtEndDocument{\label{lastpage}}%
2551 \fi}
2552 \newlength{\bibindent}
2553 \setlength{\bibindent}{1.5em}
2554 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2555 \newenvironment{thebibliography}[1]%
2556 {%
2557     \section{\refname}%
2558     \small%
2559     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2560     \begin{list}{\bibliographyitemlabel}%
2561         {%
2562             \setlength{\topsep}{0pt}%
2563             \setlength{\labelwidth}{\hintscolumnwidth}%
2564             \setlength{\labelsep}{\separatorcolumnwidth}%
2565             \leftmargin\labelwidth%
2566             \advance\leftmargin\labelsep%
2567             \@openbib@code%
2568             \usecounter{enumiv}%
2569             \let\p@enumiv\@empty%
2570             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2571             \sloppy\clubpenalty4000\widowpenalty4000%
2572         }%
2573     }%
2574     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2575     \end{list}%
2576 }
2577 \newcommand\newblock{\hskip .11em\plus.33em\@minus.07em}
2578 \let\@openbib@code\@empty

```

7.22 biditools.sty

```

2579 \NeedsTeXFormat{LaTeX2e}
2580 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2581 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2582     \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2583     \ifx\@tempa\@tempb \global\let#2#1%
2584     \else
2585         \edef\@tempb{\meaning#2}%
2586         \ifx\@tempa\@tempb
2587             \else
2588                 \@latex@error{Unable to properly define \string#2; primitive
2589                 \noexpand#1no longer primitive}\@eha
2590             \fi
2591         \fi
2592     \endgroup}
2593 \newtoks\@bidi@envbody
2594 \newtoks\@bidi@emptytoks
2595 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}

```



```

2596 \def\ bidi@collect@body#1{%
2597   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2598   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2599   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2600   \begingroup
2601   \expandafter\let\csname\@currentvir\endcsname\ bidi@collect@body
2602   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2603   \ bidi@process@envbody
2604 }
2605 \def\ bidi@push@begins#1\begin#2{%
2606   \ifx\end#2\else b\expandafter\ bidi@push@begins\fi
2607 }
2608 \def\ bidi@collect@@body#1\end#2{%
2609   \edef\begin@bidi@stack{\ bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2610   \ifx\@empty\begin@bidi@stack
2611     \endgroup
2612     \@checkend{#2}%
2613     \ bidi@addto@envbody{#1}%
2614   \else
2615     \ bidi@addto@envbody{#1\end{#2}}%
2616   \fi
2617   \ bidi@process@envbody % A little tricky! Note the grouping
2618 }
2619 \long\def\ bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2620 \long\def\ bidi@collect@long@body#1{%
2621   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2622   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2623   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2624   \begingroup
2625   \expandafter\let\csname\@currentvir\endcsname\ bidi@collect@long@body
2626   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2627   \ bidi@process@envbody
2628 }
2629 \long\def\ bidi@push@long@begins#1\begin#2{%
2630   \ifx\end#2\else b\expandafter\ bidi@push@long@begins\fi
2631 }
2632 \long\def\ bidi@collect@long@@body#1\end#2{%
2633   \edef\begin@bidi@stack{\ bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2634   \ifx\@empty\begin@bidi@stack
2635     \endgroup
2636     \@checkend{#2}%
2637     \ bidi@addto@long@envbody{#1}%
2638   \else
2639     \ bidi@addto@long@envbody{#1\end{#2}}%
2640   \fi
2641   \ bidi@process@envbody % A little tricky! Note the grouping
2642 }
2643 \long\def\ bidi@new@ifnextchar#1#2#3{%
2644   \let\reserved@d= #1%
2645   \def\reserved@a{#2}\def\reserved@b{#3}%

```



```

2646 \futurelet\@let@token\ bidi@new@ifnch
2647 }
2648 \def\bidi@new@ifnch{%
2649 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2650 \reserved@b
2651 }
2652 \def\bidi@matrix@check#1{%
2653 \expandafter\ifx\csname\@currentenv\endcsname#1%
2654 \else\bidi@matrix@error#1%
2655 \expandafter\gobble
2656 \fi
2657 }
2658 \def\bidi@matrix@error#1{%
2659 \PackageError{biditools}{%
2660 Old form '\string#1' should be \string\begin{\expandafter\gobble\string#1}%
2661 }{%
2662 '\string#1{...}' is old bidi package syntax whose use is
2663 ill-advised in the old versions of bidi package.%
2664 }%
2665 }
2666 \def\@tagsextension{clo}
2667 \def\@definitionfileextension{def}
2668 \def\@texfileextension{tex}
2669 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2670 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2671 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2672 \def\eqnewif#1#2{%
2673 \count@\escapechar \escapechar\m@ne
2674 \let#1\iffalse
2675 \let#2\iffalse
2676 \eq@if#1#2\iftrue
2677 \eq@if#1#2\iffalse
2678 \escapechar\count@}
2679 \def\eq@if#1#2#3{%
2680 \expandafter\def\csname\expandafter\gobbletwo\string#1%
2681 \expandafter\gobbletwo\string#3\endcsname
2682 {\let#1#3%
2683 \let#2#3}%
2684 \expandafter\def\csname\expandafter\gobbletwo\string#2%
2685 \expandafter\gobbletwo\string#3\endcsname
2686 {\let#2#3%
2687 \let#1#3}}
2688 \def\@bidi@removefromreset#1#2{%
2689 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2690 \def\@elt##1{%
2691 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2692 \else
2693 \noexpand\@elt{##1}%
2694 \fi}%
2695 \expandafter\xdef\csname cl@#2\endcsname{%

```



```

2696   \csname cl@#2\endcsname}}
2697 \newcommand*{\if@bidi@csdef}[1]{%
2698   \ifcsname#1\endcsname
2699     \expandafter\@firstoftwo
2700   \else
2701     \expandafter\@secondoftwo
2702   \fi}
2703 \newcommand*{\if@bidi@csundef}[1]{%
2704   \ifcsname#1\endcsname
2705     \expandafter\ifx\csname#1\endcsname\relax
2706     \expandafter\expandafter
2707     \expandafter\@firstoftwo
2708   \else
2709     \expandafter\expandafter
2710     \expandafter\@secondoftwo
2711   \fi
2712   \else
2713     \expandafter\@firstoftwo
2714   \fi}
2715 \newcommand{\if@bidi@def}[1]{%
2716   \ifdefined#1%
2717     \expandafter\@firstoftwo
2718   \else
2719     \expandafter\@secondoftwo
2720   \fi}
2721 \newcommand{\if@bidi@undef}[1]{%
2722   \ifdefined#1%
2723     \ifx#1\relax
2724       \expandafter\expandafter
2725       \expandafter\@firstoftwo
2726     \else
2727       \expandafter\expandafter
2728       \expandafter\@secondoftwo
2729     \fi
2730   \else
2731     \expandafter\@firstoftwo
2732   \fi}
2733 \newcommand{\if@bidi@blank}[1]{% from url.sty
2734   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2735 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
2736 \newcommand{\bidi@notblank}[1]{%
2737   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2738 \newcommand{\if@bidi@defmacro}{%
2739 \long\edef\if@bidi@defmacro#1{%
2740 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2741 \noexpand\meaning#1\detokenize{macro}:&}
2742 \edef\bidi@ifdefmacro{%
2743 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2744 \bidi@ifdefmacro{\bidi@notblank{#2}}
2745 \newcommand*{\if@bidi@csmacro}[1]{%

```



```

2746 \if@bidi@csdef{#1}
2747   {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2748   {\@secondoftwo}}
2749 \newcommand{\if@bidi@defprimitive}[1]{%
2750   \ifprimitive#1%
2751   \expandafter\@firstoftwo
2752   \else
2753   \expandafter\@secondoftwo
2754   \fi}
2755 \newcommand{\if@bidi@csprimitive}[1]{%
2756   \begingroup\expandafter\expandafter\expandafter\endgroup%
2757   \expandafter\ifprimitive\csname#1\endcsname%
2758   \expandafter\@firstoftwo
2759   \else
2760   \expandafter\@secondoftwo
2761   \fi}
2762 \newcommand*{\bidi@csdefcs}[2]{%
2763   \expandafter\@ifdefinable \csname#1\endcsname{%
2764   \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2765   \newcommand*{\bidi@csletcs}[2]{%
2766   \expandafter\@ifdefinable \csname#1\endcsname{%
2767   \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2768   \newcommand*{\bidi@cslet}[2]{%
2769   \expandafter\@ifdefinable \csname#1\endcsname{%
2770   \expandafter\let\csname#1\endcsname#2}}
2771 \newcommand{\bidi@namelongdef}[1]{%
2772   \long\expandafter\def\csname #1\endcsname}
2773 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2774 \def\bidi@ensure@new@command#1{%
2775   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2776   \expandafter\if@bidi@csundef\@gtempa
2777   {\new@command#1}{\relax%
2778   \let\@ifdefinable\rc@ifdefinable%
2779   \new@command#1}}
2780 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2781
2782 \protected\def\bidi@error{\PackageError{bidi}}
2783 \protected\def\bidi@warning{\PackageWarning{bidi}}
2784 \protected\def\bidi@info{\PackageInfo{bidi}}
2785
2786 \newcommand*{\bidi@newrobustcmd}{}
2787 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2788
2789 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2790
2791 \def\bidi@newcommand#1[#2]{%
2792   \@ifnextchar[%]
2793   {\bidi@xargdef#1[#2]}
2794   {\ifx\l@ngrel@x\relax
2795     \let\l@ngrel@x\protected

```



```

2796     \else
2797         \protected\def\l@ngrel@x{\protected\long}%
2798     \fi
2799     \@argdef#1[#2]}}
2800
2801 \long\def\bidi@xargdef#1[#2][#3]#4{%
2802     \@ifdefinable#1{%
2803         \expandafter\protected
2804         \expandafter\def
2805         \expandafter#1%
2806         \expandafter{%
2807             \expandafter\@testopt
2808             \csname\string#1\endcsname{#3}}%
2809         \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}#{#4}}
2810
2811 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2812
2813 \def\bidi@renew@command#1{%
2814     \if@bidi@undef{#1}
2815         {\bidi@error{\string#1 undefined}\@ehc}
2816     }%
2817     \let\@ifdefinable\@rc@ifdefinable
2818     \bidi@new@command#1}
2819
2820
2821
2822 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2823
2824 \def\bidi@provide@command#1{%
2825     \if@bidi@undef{#1}
2826         {\def\reserved@a{\bidi@new@command#1}}
2827         {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2828     \reserved@a}
2829
2830 \newcommand*{\bidi@csuse}[1]{%
2831     \ifcsname#1\endcsname
2832         \csname#1\expandafter\endcsname
2833     \fi}
2834
2835 \newcommand{\bidi@expandonce}[1]{%
2836     \unexpanded\expandafter{#1}}
2837
2838 \def\bidi@protected{%
2839     \let\@protect\protect
2840     \let\protect\unexpandable@protect
2841     \afterassignment\restore@protect}
2842
2843 \bidi@newrobustcmd{\bidi@appto}[2]{%
2844     \if@bidi@undef{#1}
2845         {\edef#1{\unexpanded{#2}}}

```



```

2846     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2847 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2848   \if@bidi@undef{#1}
2849     {\edef#1{#2}}
2850     {\edef#1{\bidi@expandonce#1#2}}}}
2851 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2852   \if@bidi@undef{#1}
2853     {\xdef#1{\unexpanded{#2}}}}
2854     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}}}
2855 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2856   \if@bidi@undef{#1}
2857     {\xdef#1{#2}}
2858     {\xdef#1{\bidi@expandonce#1#2}}}}
2859
2860 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2861 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2862
2863
2864
2865 \bidi@newrobustcmd{\bidi@preto}[2]{%
2866   \if@bidi@undef{#1}
2867     {\edef#1{\unexpanded{#2}}}}
2868     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2869 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2870   \if@bidi@undef{#1}
2871     {\edef#1{#2}}
2872     {\edef#1{#2\bidi@expandonce#1}}}}
2873 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2874   \if@bidi@undef{#1}
2875     {\xdef#1{\unexpanded{#2}}}}
2876     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2877 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2878   \if@bidi@undef{#1}
2879     {\xdef#1{#2}}
2880     {\xdef#1{#2\bidi@expandonce#1}}}}
2881
2882 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2883 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2884
2885
2886
2887 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2888 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2889 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2890 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2891 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2892 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2893
2894
2895

```



```

2896 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2897 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2898 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2899 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2900 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2901 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2902
2903
2904
2905 \bidi@newrobustcmd{\if@bidi@patchable}{%
2906   \bidi@dbg@trce\if@bidi@patchable
2907   \begingroup
2908   \@makeother\#%
2909   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2910
2911 \long\def\bidi@ifpatchable#1#2{%
2912   \endgroup
2913   \bidi@dbg@init#1%
2914   \if@bidi@undef{#1}
2915     {\bidi@dbg@fail{def}\@secondoftwo}
2916     {\bidi@dbg@info{def}%
2917       \if@bidi@defmacro{#1}
2918         {\bidi@dbg@info{mac}%
2919           \bidi@ifscanable{#1}
2920             {\bidi@ifhashcheck{#2}
2921               {\bidi@dbg@info{tok}%
2922                 \bidi@ifpattern#1{#2}
2923                   {\bidi@dbg@info{pat}%
2924                     \bidi@dbg@info{pos}\@firstoftwo}
2925                     {\bidi@dbg@fail{pat}\@secondoftwo}}
2926                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2927                   {\bidi@dbg@fail{tok}\@secondoftwo}}
2928                   {\bidi@dbg@fail{mac}\@secondoftwo}}}
2929
2930 \long\def\bidi@ifpatchable@i#1{%
2931   \endgroup
2932   \bidi@dbg@init#1%
2933   \if@bidi@undef{#1}
2934     {\bidi@dbg@fail{def}\@secondoftwo}
2935     {\bidi@dbg@info{def}%
2936       \if@bidi@defmacro{#1}
2937         {\bidi@dbg@info{mac}%
2938           \if@bidi@defparam{#1}
2939             {\bidi@dbg@info{prm}%
2940               \bidi@ifscanable{#1}
2941                 {\bidi@dbg@info{tok}%
2942                   \bidi@dbg@info{pos}\@firstoftwo}
2943                   {\bidi@dbg@fail{tok}\@secondoftwo}}
2944                 {\bidi@dbg@info{prl}%
2945                   \if@bidi@defprotected{#1}

```




```

2946         {\bidi@dbg@info{pro}}
2947         {}%
2948         \bidi@dbg@info{pos}\@firstoftwo}}
2949     {\bidi@dbg@fail{mac}\@secondoftwo}}
2950
2951 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2952 \bidi@dbg@trce\bidi@patchcmd
2953 \begingroup
2954 \@makeother\#%
2955 \bidi@@patchcmd}
2956
2957 \newcommand{\bidi@@patchcmd}[4] [#####1]{%
2958 \bidi@ifpatchable#2{#3}
2959     {\bidi@dbg@succ{ret}}%
2960     \begingroup
2961     \edef\bidi@resrvda{%
2962     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2963     #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2964     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2965     ####1\detokenize{#4}####2}%
2966     \edef\noexpand\bidi@resrvda{%
2967     \noexpand\bidi@resrvda\meaning#2&}}%
2968     \bidi@resrvda
2969     \bidi@patchcmd@scantoks\bidi@resrvda
2970     \let#2\bidi@resrvda
2971     \bidi@undef\bidi@resrvda
2972     \@firstoftwo}
2973     {\@secondoftwo}}
2974
2975 \def\bidi@patchcmd@scantoks#1{%
2976 \edef\bidi@resrvda{\endgroup
2977 \unexpanded{\makeatletter\scantokens}{#1}%
2978 \catcode\number`\@=\the\catcode`\@relax}%
2979 \bidi@resrvda}
2980
2981 \newcommand\bidi@isloaded[2] [] {
2982 \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
2983 \expandafter\newif\csname if@bidi@#2loaded@endcsname
2984 \fi
2985 \@ifpackageloaded{#2}
2986     {\csname @bidi@#2loaded@true@endcsname #1}
2987     {\csname @bidi@#2loaded@false@endcsname}}
2988
2989 \protected\def\bidi@ifscanable#1{%
2990 \begingroup
2991 \edef\bidi@resrvda{%
2992 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2993     ####1\def\string\bidi@resrvda####2{####3}}%
2994 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2995 \bidi@resrvda

```



```

2996 \makeatletter
2997 \scantokens\expandafter{\bidi@resrvda}%
2998 \expandafter\endgroup\ifx#1\bidi@resrvda
2999   \expandafter\@firstoftwo
3000 \else
3001   \expandafter\@secondoftwo
3002 \fi}
3003
3004
3005 \protected\long\def\bidi@ifhashcheck#1{%
3006   \begingroup
3007   \edef\bidi@resrvda{\detokenize{#1}}%
3008   \expandafter\endgroup
3009   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3010
3011 \edef\bidi@ifhashcheck@i#1{%
3012   \noexpand\expandafter
3013   \noexpand\bidi@ifhashcheck@ii
3014   \noexpand\strip@prefix#1\string#1\string#&}
3015
3016 \edef\bidi@ifhashcheck@ii{%
3017   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3018 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3019
3020
3021 \protected\long\def\bidi@ifpattern#1#2{%
3022   \begingroup
3023   \edef\bidi@resrvda{%
3024     \def\noexpand\bidi@resrvda###1\detokenize{#2}###2&{%
3025       \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{###2}}%
3026     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3027       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3028     \noexpand\bidi@resrvda}
3029   \bidi@resrvda\@secondoftwo\@firstoftwo}
3030
3031
3032 \newcommand{\if@bidi@defparam}{-}
3033 \long\edef\if@bidi@defparam#1{%
3034   \noexpand\expandafter\noexpand\bidi@ifdefparam
3035   \noexpand\meaning#1\detokenize{macro}:-&}
3036 \edef\bidi@ifdefparam{%
3037   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3038 \bidi@ifdefparam{\bidi@notblank{#2}}
3039
3040
3041 \newcommand{\if@bidi@defprotected}{-}
3042 \long\edef\if@bidi@defprotected#1{%
3043   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3044   \noexpand\meaning#1\string\protected&}
3045 \edef\bidi@ifdefprotected{%

```



```

3046 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3047 \bidi@ifdefprotected{\bidi@notblank{#2}}
3048
3049
3050 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3051
3052 \let\bidi@dbg@trce\@gobble
3053 \let\bidi@dbg@init\@gobble
3054 \let\bidi@dbg@info\@gobble
3055 \let\bidi@dbg@succ\@gobble
3056 \let\bidi@dbg@fail\@gobble
3057
3058
3059
3060 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3061 \bidi@dbg@trce\bidi@apptocmd
3062 \begingroup
3063 \@makeother\#%
3064 \bidi@hooktocmd\bidi@append}
3065
3066
3067
3068 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3069 \bidi@dbg@trce\bidi@pretocmd
3070 \begingroup
3071 \@makeother\#%
3072 \bidi@hooktocmd\bidi@prepend}
3073
3074 \long\def\bidi@hooktocmd#1#2#3{%
3075 \endgroup
3076 \bidi@dbg@init#2%
3077 \if\bidi@undef{#2}
3078 {\bidi@dbg@fail{def}\@secondoftwo}
3079 {\bidi@dbg@info{def}%
3080 \if\bidi@defmacro{#2}
3081 {\bidi@dbg@info{mac}%
3082 \if\bidi@defparam{#2}
3083 {\bidi@dbg@info{prm}%
3084 \bidi@ifscanable{#2}
3085 {\bidi@ifhashcheck{#3}
3086 {\bidi@dbg@info{tok}%
3087 \bidi@dbg@succ{ret}%
3088 \bidi@hooktocmd#i#1#2{#3}%
3089 \@firstoftwo}
3090 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3091 {\bidi@dbg@fail{tok}\@secondoftwo}}
3092 {\bidi@dbg@info{prl}%
3093 \if\bidi@defprotected{#2}
3094 {\bidi@dbg@info{pro}%
3095 \bidi@dbg@succ{red}%

```



```

3096         \protected}
3097         {\bidi@dbg@succ{red}}}%
3098         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3099         \@firstoftwo}}
3100     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3101
3102 \long\def\bidi@hooktocmd@i#1#2#3{%
3103     \begingroup
3104     \edef\bidi@resrvda{%
3105         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3106             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3107         \edef\noexpand\bidi@resrvda{%
3108             \noexpand\bidi@resrvda\meaning#2&}}}%
3109     \bidi@resrvda
3110     \bidi@patchcmd@scantoks\bidi@resrvda
3111     \let#2\bidi@resrvda
3112     \bidi@undef\bidi@resrvda}
3113
3114 \long\def\bidi@append#1#2{#1#2}
3115 \long\def\bidi@prepend#1#2{#2#1}
3116
3117 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3118 \newcommand*{\bidi@endpreamblehook}{}
3119
3120 \bidi@preto\document{%
3121     \endgroup
3122     \let\bidi@AtEndPreamble\@firstofone
3123     \bidi@endpreamblehook
3124     \protected\def\bidi@AtEndPreamble{\@notprerr@gobble}%
3125     \bidi@undef\bidi@endpreamblehook
3126     \begingroup}
3127
3128 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3129 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3130
3131 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3132 \newcommand*{\bidi@afterendpreamblehook}{}
3133
3134 \bidi@appto\document{%
3135     \let\bidi@AfterEndPreamble\@firstofone
3136     \bidi@afterendpreamblehook
3137     \protected\def\bidi@AfterEndPreamble{\@notprerr@gobble}%
3138     \bidi@undef\bidi@afterendpreamblehook
3139     \ignorespaces}
3140
3141 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3142
3143 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3144 \newcommand*{\bidi@afterenddocumenthook}{}
3145

```



```

3146 \bidi@patchcmd\enddocument
3147   {\deadcycles}
3148   {\let\bidi@AfterEndDocument\@firstofone
3149     \bidi@afterenddocumenthook
3150     \deadcycles}
3151   {}}
3152   {\let\bidi@end\@end
3153     \def\@end{%
3154       \let\bidi@AfterEndDocument\@firstofone
3155       \bidi@afterenddocumenthook
3156       \bidi@end}}
3157
3158 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3159   \bidi@csgappto{\bidi@begin@#1@hook}}
3160
3161 \bidi@patchcmd\begin
3162   {\csname #1\endcsname}
3163   {\bidi@csuse{\bidi@begin@#1@hook}%
3164     \csname #1\endcsname}
3165   {}}
3166   {\bidi@warning{%
3167     Patching '\string\begin' failed!\MessageBreak
3168     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3169
3170
3171
3172 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3173   \bidi@csgappto{\bidi@end@#1@hook}}
3174
3175 \bidi@patchcmd\end
3176   {\csname end#1\endcsname}
3177   {\bidi@csuse{\bidi@end@#1@hook}%
3178     \csname end#1\endcsname}
3179   {}}
3180   {\bidi@warning{%
3181     Patching '\string\end' failed!\MessageBreak
3182     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3183
3184
3185
3186 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3187   \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3188
3189 \bidi@pretocmd\begin
3190   {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3191   {}}
3192   {\bidi@warning{%
3193     Patching '\string\begin' failed!\MessageBreak
3194     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3195

```



```

3196
3197
3198 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3199   \bidi@csgappto{@bidi@afterend@#1@hook}}
3200
3201 \bidi@patchcmd\end
3202   {\if@ignore}
3203   {\bidi@csuse{@bidi@afterend@#1@hook}%
3204    \if@ignore}
3205   {}
3206   {\bidi@warning{%
3207     Patching '\string\end' failed!\MessageBreak
3208     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3209
3210 \CheckCommand{\InputIfFileExists}[2]{%
3211   \IfFileExists{#1}%
3212     {#2\@addtofilelist{#1}\@input \@filef@und}}
3213
3214 \renewcommand{\InputIfFileExists}[2]{%
3215   \begingroup\expandafter\expandafter\expandafter\endgroup
3216   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3217     \expandafter\@secondoftwo
3218   \else
3219     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3220     \expandafter\@firstoftwo
3221   \fi
3222   {%
3223     \expandafter\InputIfFileExists\expandafter{\csname
3224       #1-@bidi@alias\endcsname}{#2}%
3225   }%
3226   {\IfFileExists{#1}{%
3227     \bidi@load@hook{before}{#1}%
3228     #2\@addtofilelist{#1}%
3229     \@input \@filef@und
3230     \bidi@load@hook{after}{#1}%
3231   }}%
3232 }
3233
3234 \newcommand*{\bidi@loadwithoptions}{}
3235 \newcommand*{\bidi@loadwithoptions}{}
3236 \let\bidi@loadwithoptions\loadwithoptions
3237
3238 \renewcommand*{\@loadwithoptions}[3]{%
3239   \begingroup\expandafter\expandafter\expandafter\endgroup
3240   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3241     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3242   \else
3243     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3244     \def\bidi@loadwithoptions{%
3245       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%

```



```

3246   }%
3247   \fi
3248   \bidi@@loadwithoptions
3249 }
3250
3251 \newcommand*{\bidi@onefilewithoptions}{%
3252 \let\bidi@onefilewithoptions\@onefilewithoptions
3253 \def\@onefilewithoptions#1[#2][#3]#4{%
3254 \begingroup\expandafter\expandafter\expandafter\endgroup
3255 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3256 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3257 \else
3258 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3259 \edef\bidi@@onefilewithoptions{%
3260 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3261 \fi
3262 \bidi@@onefilewithoptions[#{#2}][#{#3}]{#4}%
3263 \bidi@load@hook{lateafter}{#1.#4}%
3264 }
3265
3266 \newcommand*{\bidi@ReplaceInput}[2]{%
3267 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3268 }
3269
3270 \newcommand*{\bidi@UnReplaceInput}[1]{%
3271 \ifcsname #1-@bidi@alias\endcsname
3272 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3273 \fi
3274 }
3275
3276 \newcommand*{\@bidi@replacefilewithext}[3]{%
3277 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3278 }
3279 \newcommand*{\bidi@ReplacePackage}[2]{%
3280 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3281 }
3282 \newcommand*{\bidi@ReplaceClass}[2]{%
3283 \@bidi@replacefilewithext{#1}{#2}\@clsextension
3284 }
3285 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3286 \ifcsname #1.#2-@bidi@aliasname\endcsname
3287 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3288 \fi
3289 }
3290 \newcommand*{\bidi@UnReplacePackage}[1]{%
3291 \@bidi@unreplacefilewithext{#1}\@pkgextension
3292 }
3293 \newcommand*{\bidi@UnReplaceClass}[1]{%
3294 \@bidi@unreplacefilewithext{#1}\@clsextension
3295 }

```



```

3296 \newcommand*{\bidi@replacefile@msg}[2]{%
3297   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3298 }
3299
3300 \newcommand*{\bidi@load@hook}[2]{%
3301   \@ifundefined{#2-@#1}{}{%
3302     \@nameuse{#2-@#1}%
3303     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3304 \newcommand*{\bidi@set@load@hook}[2]{%
3305   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}{}%
3306   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3307 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3308 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3309 \newcommand*{\bidi@BeforeClass}[1]{%
3310   \bidi@set@load@hook{before}{#1.\@clsextension}}
3311 \newcommand*{\bidi@AfterClass}{%
3312   \@ifstar {\@s@bidi@AfterClass}{%
3313     \@ifnextchar +\@@bidi@AfterClass{%
3314       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3315     }%
3316   }%
3317 }
3318
3319 \newcommand*{\@@@bidi@AfterClass}[2]{%
3320   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3321     \aftergroup\@s@bidi@AfterClass
3322   \else
3323     \aftergroup\bidi@AfterAtEndOfClass
3324   \fi
3325   \endgroup{#2}%
3326 }
3327
3328 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3329   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3330 \newcommand*{\@@@bidi@AfterClass}[2]{%
3331   \begingroup
3332     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3333       \aftergroup\@s@bidi@AfterClass
3334     \else
3335       \aftergroup\bidi@AfterClass
3336     \fi
3337   \endgroup{#2}%
3338 }
3339
3340 \newcommand*{\@bidi@AfterClass}[1]{%
3341   \bidi@set@load@hook{after}{#1.\@clsextension}}
3342 \newcommand*{\@s@bidi@AfterClass}[1]{%
3343   \begingroup
3344     \@ifclassloaded{#1}{%
3345     \aftergroup\@secondoftwo

```




```

3346   }{%
3347     \aftergroup\@bidi@AfterClass
3348   }%
3349 \endgroup
3350 {#1}%
3351 }
3352
3353
3354 \newcommand*\@bidi@BeforePackage}[1]{%
3355   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3356 \newcommand*\@bidi@AfterPackage}{%
3357   \@ifstar {\@s@bidi@AfterPackage}{%
3358     \@ifnextchar +\@bidi@AfterPackage{%
3359       \@ifnextchar !\@bidi@AfterPackage\@bidi@AfterPackage
3360     }%
3361   }%
3362 }
3363 \newcommand*\@bidi@AfterPackage}[2]{%
3364   \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3365     \aftergroup\@s@bidi@AfterPackage
3366   \else
3367     \aftergroup\@bidi@AfterAtEndOfPackage
3368   \fi
3369   \endgroup{#2}%
3370 }
3371 \newcommand*\@bidi@AfterAtEndOfPackage}[1]{%
3372   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3373 \newcommand*\@bidi@AfterPackage}[2]{%
3374   \begingroup
3375     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3376       \aftergroup\@s@bidi@AfterPackage
3377     \else
3378       \aftergroup\@bidi@AfterPackage
3379     \fi
3380   \endgroup{#2}%
3381 }
3382 \newcommand*\@bidi@AfterPackage}[1]{%
3383   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3384 \newcommand*\@s@bidi@AfterPackage}[1]{%
3385   \begingroup
3386     \@ifpackageloaded{#1}{%
3387       \aftergroup\@secondoftwo
3388     }{%
3389       \aftergroup\@bidi@AfterPackage
3390     }%
3391   \endgroup
3392   {#1}%
3393 }
3394
3395 \newcommand*\@bidi@excludedpackages}{%

```



```

3396 \let\@bidi@excludedpackages\@empty
3397 \newcommand*{\@bidi@saved@RequirePackage}{}
3398 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3399   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3400     {\@bidi@PreventPackageFromLoading\PackageWarning}%
3401 }
3402 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3403   \ifnextchar [%]
3404     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3405 }
3406 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3407
3408 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3409   \edef\reserved@b{\zap@space#3 \@empty}%
3410   \ifx \reserved@b\@empty
3411     #1{biditools}{%
3412       \string\@bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3413       argument ignored%
3414     }%
3415   \else
3416     \ifx\@bidi@excludedpackages\@empty
3417       \let\@bidi@saved@RequirePackage\RequirePackage
3418       \let\RequirePackage\@bidi@RequirePackage
3419       \def\reserved@a##1##{%
3420         \@latex@error
3421         {\noexpand \usepackage before \string\documentclass}%
3422         {\noexpand \usepackage may only appear in the document
3423          preamble, i.e.,\MessageBreak
3424          between \noexpand\documentclass and
3425          \string\begin{document}.}%
3426         \@gobble}%
3427       \ifx\reserved@a\usepackage\else
3428         \ifx\usepackage\@bidi@saved@RequirePackage\else
3429           \PackageWarning{biditools}{%
3430             Maybe serious problem: unexpected definition of\MessageBreak
3431             \string\usepackage
3432           }%
3433         \fi
3434         \let\usepackage\RequirePackage
3435       \fi
3436     \fi
3437   \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3438   \reserved@b\do {%
3439     \ifx\reserved@a\@empty
3440       #1{biditools}{%
3441         empty package argument for
3442         \string\@bidi@PreventPackageFromLoading\MessageBreak
3443         ignored%
3444       }%
3445     \else

```



```

3446 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3447 #1{biditools}}{%
3448 package `\'reserved@a' already loaded.\MessageBreak
3449 Cannot prevent it from beeing loaded%
3450 }%
3451 }{%
3452 \edef\bidi@excludedpackages{\bidi@excludedpackages,%
3453 \reserved@a}%
3454 \if\relax\detokenize{#2}\relax\else
3455 \@ifundefined{bidi@exclude@package@\reserved@a @do}{%
3456 \@namedef{bidi@exclude@package@\reserved@a @do}{}%
3457 }{}%
3458 \expandafter\def
3459 \csname bidi@exclude@package@\reserved@a
3460 @do\expandafter\expandafter\expandafter\endcsname
3461 \expandafter\expandafter\expandafter{%
3462 \csname bidi@exclude@package@\reserved@a @do\endcsname
3463 #2%
3464 }%
3465 \fi
3466 }%
3467 \fi
3468 }%
3469 \ifx\bidi@excludedpackages\@empty
3470 \bidi@ResetPreventPackageFromLoading
3471 \fi
3472 \fi
3473 }
3474
3475 \@onlypreamble\bidi@PreventPackageFromLoading
3476 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
3477 \let\bidi@excludedpackages\@empty
3478 \ifx\RequirePackage\bidi@RequirePackage
3479 \ifx\usepackage\RequirePackage
3480 \let\usepackage\bidi@saved@RequirePackage
3481 \fi
3482 \let\RequirePackage\bidi@saved@RequirePackage
3483 \fi
3484 }
3485 \@onlypreamble\bidi@ResetPreventPackageFromLoading
3486 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
3487 \let#1\bidi@excludedpackages
3488 }
3489 \@onlypreamble\bidi@StorePreventPackageFromLoading
3490 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
3491 \@ifstar {\@tempswatruel\bidi@UnPreventPackageFromLoading}%
3492 {\@tempswafalse\bidi@UnPreventPackageFromLoading}%
3493 }
3494
3495 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%

```



```

3496 \edef\reserved@b{\zap@space#1 \@empty}%
3497 \if@tempswa
3498   \for\reserved@a:=\reserved@b\do {%
3499     \ifx\reserved@a\@empty \else
3500       \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3501         \expandafter\let
3502         \csname bidi@exclude@package@\reserved@a @do\endcsname
3503         \undefined
3504       \fi
3505     \fi
3506   }%
3507 \fi
3508 \ifcsname bidi@excludedpackages\endcsname
3509   \let\reserved@a\bidi@excludedpackages
3510   \let\bidi@excludedpackages\@empty
3511   \expandafter\@for\expandafter\reserved@c
3512   \expandafter:\expandafter=\reserved@a
3513   \do{%
3514     \ifx\reserved@c\@empty\else
3515       \@expandtwoargs\in@{\reserved@c,}\reserved@b,%
3516       \ifin@
3517       \else
3518         \edef\bidi@excludedpackages{%
3519           \bidi@excludedpackages,\reserved@c
3520         }%
3521       \fi
3522     \fi
3523   }%
3524   \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3525 \fi
3526 }
3527
3528
3529 \newcommand*{\bidi@RequirePackage}[2][\]{%
3530   \let\reserved@c\@empty
3531   \let\reserved@d\@empty
3532   \edef\reserved@b{\zap@space#2 \@empty}%
3533   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3534   \do {%
3535     \begingroup
3536     \@tempwatrue
3537     \@for\reserved@a:=\bidi@excludedpackages\do {%
3538       \ifx\reserved@a\reserved@b
3539         \@tempwafalse
3540       \fi
3541     }%
3542     \if@tempswa
3543       \xdef\reserved@c{\reserved@c,\reserved@b}%
3544     \else
3545       \ifx\reserved@b\@empty\else

```



```

3546     \PackageInfo{biditools}{Excluding package `reserved@b'\MessageBreak
3547         from loading}%
3548     \ifundefined{bidi@exclude@package@reserved@b @do}{%
3549     }{%
3550     \expandafter@g@addto@macro\expandafter\reserved@d
3551     \csname bidi@exclude@package@reserved@b @do\endcsname
3552     }%
3553     \fi
3554     \fi
3555     \endgroup
3556 }%
3557 \ifx\reserved@c@empty
3558     \let\reserved@a\bidi@gobbleopt
3559 \else
3560     \def\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3561     \expandafter@gobble\reserved@c@empty}}%
3562 \fi
3563 \expandafter\reserved@d
3564 \reserved@a
3565 }
3566
3567 \newcommand{\bidi@gobbleopt}[1] [] {}
3568 \AtEndDocument{%
3569     \let\bidi@saved@checkend=\@checkend
3570     \renewcommand*{\@checkend}[1]{%
3571     \def\reserved@a{#1}\def\reserved@b{document}%
3572     \bidi@saved@checkend{#1}%
3573     \ifx\reserved@a\reserved@b
3574     \let\bidi@saved@clearpage=\clearpage
3575     \renewcommand*{\clearpage}{\bidi@saved@clearpage
3576     \bidi@hook@bcma
3577     \bidi@restore@newpage
3578     \let\clearpage=\bidi@saved@clearpage}%
3579     \fi%
3580     \let\bidi@saved@dofilelist\@dofilelist
3581     \def\@dofilelist{%
3582     \bidi@hook@acma
3583     \let\@dofilelist\bidi@saved@dofilelist
3584     \bidi@saved@dofilelist
3585     }%
3586 }%
3587 }
3588
3589
3590 \newcommand*{\bidi@saved@checkend}{}
3591 \newcommand*{\bidi@saved@dofilelist}{}
3592 \newcommand*{\bidi@redefine@newpage}{}%
3593 \let\bidi@saved@newpage\newpage
3594 \def\bidi@restore@newpage{%
3595     \renewcommand*{\newpage}{}%

```



```

3596     \PackageWarningNoLine{%
3597         biditools%
3598     }{%
3599         \string\newpage\space at main aux file!\MessageBreak
3600         You have output material at the main aux file.\MessageBreak
3601         Note, that the \string\bid@BeforeClosingMainAux\space commands\MessageBreak
3602         are processed before the output from aux file%
3603     }%
3604     \let\newpage\bid@saved@newpage
3605     \newpage
3606 }%
3607 }%
3608 \renewcommand*\newpage}{%
3609     \PackageError{%
3610         biditools%
3611     }{%
3612         \string\newpage\space at \string\bid@BeforeClosingMainAux
3613     }{%
3614         You should never use \string\newpage\space or
3615         \string\clear(double)page or other output material at the\MessageBreak
3616         argument of \string\bid@BeforeClosingMainAux!\MessageBreak
3617         If you'll continue, the \string\newpage\space will be ignored to
3618         avoid corruption of\MessageBreak
3619         every prior use of \string\bid@BeforeClosingMainAux.
3620     }%
3621 }%
3622 }
3623
3624 \newcommand*\bid@restore@newpage}{
3625 \newcommand*\bid@hook@bcma}{
3626 \newcommand*\bid@hook@acma}{
3627 \newcommand*\bid@BeforeClosingMainAux}{%
3628     \ifx\bid@hook@bcma\@empty
3629         \gdef\bid@hook@bcma{%
3630             \renewcommand*\bid@BeforeClosingMainAux}[1]{###1}%
3631             \let\protected@write\bid@protected@immediate@write
3632             \bid@redefine@newpage
3633         }%
3634     \fi
3635     \g@addto@macro\bid@hook@bcma%
3636 }
3637
3638 \newcommand*\bid@AfterReadingMainAux}{%
3639     \ifx\bid@hook@acma\@empty
3640         \gdef\bid@hook@acma{%
3641             \renewcommand*\bid@AfterReadingMainAux}[1]{###1}%
3642             \let\protected@write\bid@protected@immediate@write
3643         }%
3644     \fi
3645     \g@addto@macro\bid@hook@acma%

```



```

3646 }
3647
3648 \long\def\bidi@protected@immediate@write#1#2#3{%
3649   \begingroup
3650     #2%
3651     \let\protect\@unexpandable@protect
3652     \edef\reserved@a{\immediate\write#1{#3}}%
3653     \reserved@a
3654   \endgroup
3655   \if@nobreak\ifvmode\nobreak\fi\fi
3656 }
3657
3658 \def\bidi@patch@counter{0}%
3659 \if@bidi@csundef{numexpr}{%
3660   \def\bidi@patch@stepcounter{%
3661     \begingroup
3662       \count@\bidi@patch@counter\relax
3663       \advance\count@\@ne\relax
3664     \edef\x{\endgroup
3665       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
3666     }%
3667     \x
3668   }%
3669 }{%
3670   \def\bidi@patch@stepcounter{%
3671     \edef\bidi@patch@counter{%
3672       \the\numexpr\bidi@patch@counter+\@ne\relax
3673     }%
3674   }%
3675 }
3676 \def\bidi@patch@list{}
3677 \def\bidi@patch@Add{%
3678   \bidi@appto\bidi@patch@list
3679 }
3680 \def\bidi@patch@AfterPackage#1{%
3681   \@ifpackageloaded{#1}{%
3682     \@firstofone
3683   }{%
3684     \bidi@patch@AfterPackage{#1}%
3685   }%
3686 }
3687 \def\bidi@patch@AfterPackage#1{%
3688   \edef\bidi@patch@temp{#1}%
3689   \bidi@patch@stepcounter
3690   \expandafter\bidi@patch@@AfterPackage
3691   \csname bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
3692     \bidi@patch@temp
3693   }%
3694 }
3695 \def\bidi@patch@@AfterPackage#1#2#3{%

```



```

3696 \begingroup
3697   \toks@{#3}%
3698   \xdef\ bidi@patch@gtemp{%
3699     \noexpand\@ifpackageloaded{#2}{%
3700       \noexpand\let\noexpand#1\noexpand\relax
3701       \the\toks@
3702     }{ }%
3703   }%
3704 \endgroup
3705 \let#1\ bidi@patch@gtemp
3706 \bidi@patch@Add#1%
3707 \bidi@patch@try{\bidi@AfterPackage}{#2}#1%
3708 }
3709
3710 \def\ bidi@patch@try#1#2#3{%
3711   \if@bidi@csundef{#1}{ }{ %
3712     \csname #1\endcsname{#2}{#3}%
3713   }%
3714 }
3715
3716 \AtBeginDocument{\bidi@patch@list}
3717
3718 \bidi@AtEndPreamble{\bidi@patch@list}%
3719
3720 \bidi@AfterEndPreamble{%
3721   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3722   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3723   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3724   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3725   \bidi@patch@list
3726   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3727   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3728   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3729   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3730 }%

```

7.23 bidituftefloat.sty

```

3731 \NeedsTeXFormat{LaTeX2e}
3732 \ProvidesPackage{bidituftefloat}[2011/06/14 v0.1
3733 bidi implementation of tufte float]
3734 \RequirePackage{xifthen}
3735 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
3736 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
3737 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidi
3738 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
3739 \newboolean{\@bidituftefloat@RTLgeometry}
3740 \setboolean{\@bidituftefloat@RTLgeometry}{true}
3741 \DeclareOption{RTLgeometry}{\setboolean{\@bidituftefloat@RTLgeometry}{true}}
3742 \DeclareOption{LTRgeometry}{\setboolean{\@bidituftefloat@RTLgeometry}{false}}

```




```

3743 \newboolean{@biditytfloat@afourpaper}
3744 \DeclareOption{a4paper}{\setboolean{@biditytfloat@afourpaper}{true}}
3745 \newboolean{@biditytfloat@bfivepaper}
3746 \DeclareOption{b5paper}{\setboolean{@biditytfloat@bfivepaper}{true}}
3747 \newboolean{@biditytfloat@symmetric}
3748 \newboolean{@biditytfloat@twoside}
3749 \DeclareOption{twoside}{%
3750 \@twosidetrue \mparswitchtrue%
3751 \setboolean{@biditytfloat@twoside}{true}%
3752 \setboolean{@biditytfloat@symmetric}{true}%
3753 }
3754 \DeclareOption{oneside}{%
3755 \@twosidefalse \mparswitchfalse%
3756 \setboolean{@biditytfloat@twoside}{false}%
3757 \setboolean{@biditytfloat@symmetric}{false}%
3758 }
3759 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3760 \newboolean{@biditytfloat@debug}
3761 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
3762 \ProcessOptions
3763 %% Globally sets the length
3764 \newcommand*\gsetlength[2]{%
3765 \setlength{#1}{#2}%
3766 \global#1=#1\relax%
3767 }
3768 %% Globally sets a boolean
3769 \newcommand*\gsetboolean[2]{% based on code from ifthen pkg
3770 \lowercase{\def\@tempa{#2}}%
3771 \@ifundefined{@tempa}{%
3772 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3773 {\@ifundefined{#1\@tempa}{%
3774 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3775 {\global\csname#1\@tempa\endcsname}%
3776 }%
3777 }
3778 %% Set the font sizes and baselines to match biditytfloat's books
3779 \renewcommand\normalsize{%
3780 \@setfontsize\normalsize\@xpt{14}%
3781 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3782 \abovedisplayshortskip \z@ \@plus3\p@
3783 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3784 \belowdisplayskip \abovedisplayskip
3785 \let\@listi\@listI}
3786 \normalbaselineskip=14pt
3787 \normalsize
3788 \renewcommand\footnotesize{%
3789 \@setfontsize\footnotesize\viiipt{10}%
3790 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3791 \abovedisplayshortskip \z@ \@plus\p@
3792 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@

```



```

3793 \def\@listi{\leftmargin\leftmargini
3794           \topsep 3\p@ \@plus\p@ \@minus\p@
3795           \parsep 2\p@ \@plus\p@ \@minus\p@
3796           \itemsep \parsep}%
3797 \belowdisplayskip \abovedisplayskip
3798 }
3799 %% Paragraph indentation and separation for marginal text
3800 \newcommand{\@bidiutfefloat@margin@par}{%
3801 \setlength{\RaggedRightParindent}{0.5pc}%
3802 \setlength{\JustifyingParindent}{0.5pc}%
3803 \setlength{\parindent}{0.5pc}%
3804 \setlength{\parskip}{0pt}%
3805 }
3806 \RequirePackage{ragged2e}
3807 \ifthenelse{\boolean{@bidiutfefloat@RTLgeometry}}{%
3808 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar=]{}
3809 \ifthenelse{\boolean{@bidiutfefloat@afourpaper}}
3810   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=}}
3811   {}
3812 \ifthenelse{\boolean{@bidiutfefloat@bfivepaper}}
3813   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=}}
3814   {}%
3815 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar=]{}
3816 \ifthenelse{\boolean{@bidiutfefloat@afourpaper}}
3817   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=}}
3818   {}
3819 \ifthenelse{\boolean{@bidiutfefloat@bfivepaper}}
3820   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=}}
3821   {}
3822 \ifthenelse{\boolean{@bidiutfefloat@symmetric}}
3823   {}
3824   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
3825 \setlength\marginparpush{10pt}
3826 %% Font for margin items
3827 \newcommand{\@bidiutfefloat@marginfont}{\normalfont\footnotesize}
3828 \newcommand*{\@bidiutfefloat@caption@font}{\@bidiutfefloat@marginfont}
3829 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3830 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3831 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3832 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3833 \newboolean{@bidiutfefloat@changepage}
3834 \IfFileExists{changepage.sty}{%
3835 \bidiutfefloatDebugInfoNL{Found changepage.sty}
3836 \RequirePackage[strict]{changepage}
3837 \setboolean{@bidiutfefloat@changepage}{true}
3838 }{%
3839 \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3840 \RequirePackage[strict]{chngpage}
3841 \setboolean{@bidiutfefloat@changepage}{false}
3842 }

```



```

3843 \newboolean{@bidituftefloat@odd@page}
3844 \setboolean{@bidituftefloat@odd@page}{true}
3845 \newcommand*{\@bidituftefloat@checkoddpage}{%
3846   \checkoddpage%
3847   \ifthenelse{\boolean{@bidituftefloat@change@page}}{%
3848     \ifoddpage%
3849       \setboolean{@bidituftefloat@odd@page}{true}%
3850     \else%
3851       \setboolean{@bidituftefloat@odd@page}{false}%
3852     \fi%
3853   }{%
3854     \ifcpoddpage%
3855       \setboolean{@bidituftefloat@odd@page}{true}%
3856     \else%
3857       \setboolean{@bidituftefloat@odd@page}{false}%
3858     \fi%
3859   }%
3860 }
3861 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running heads
3862 \newlength{\@bidituftefloat@fullwidth}
3863 \newlength{\@bidituftefloat@caption@fill}
3864 \newcommand{\@bidituftefloatRecalculate}{%
3865   \setlength{\@bidituftefloat@overhang}{\marginparwidth}
3866   \addtolength{\@bidituftefloat@overhang}{\marginparsep}
3867
3868   \setlength{\@bidituftefloat@fullwidth}{\textwidth}
3869   \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
3870   \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
3871
3872   \setlength{\@bidituftefloat@caption@fill}{\textwidth}
3873   \addtolength{\@bidituftefloat@caption@fill}{\marginparsep}
3874 }
3875 \AtBeginDocument{\@bidituftefloatRecalculate}
3876 \RequirePackage{optparams}% provides multiple optional arguments for commands
3877 \RequirePackage{placeins}
3878 \newsavebox{\@bidituftefloat@margin@floatbox}
3879 \newenvironment{@bidituftefloat@margin@float}[2] [-1.2ex]%
3880   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3881   \begin{lrbox}{\@bidituftefloat@margin@floatbox}%
3882   \begin{minipage}{\marginparwidth}%
3883     \@bidituftefloat@caption@font%
3884     \def\@capttype{#2}%
3885     \hbox{\vspace*{#1}%
3886       \@bidituftefloat@caption@justification%
3887       \@bidituftefloat@margin@par%
3888       \noindent%
3889     }
3890   \end{minipage}%
3891   \end{lrbox}}%
3892 \marginpar{\usebox{\@bidituftefloat@margin@floatbox}}%

```



```

3893 }
3894 \newenvironment{marginfigure}[1][-1.2ex]%
3895   {\begin{@biditytffloat@margin@float}[#1]{figure}}
3896   {\end{@biditytffloat@margin@float}}
3897 \newenvironment{margintable}[1][-1.2ex]%
3898   {\begin{@biditytffloat@margin@float}[#1]{table}}
3899   {\end{@biditytffloat@margin@float}}
3900 \newcommand*{\@biditytffloat@justification@autodetect}{\justifying}%
3901
3902 \newcommand{\@biditytffloat@float@debug@info}{}% contains debug info generated as the float is
3903 \newcommand{\@biditytffloat@float@debug}[1]{% adds debug info to the queue for output
3904   \ifthenelse{\equal{\@biditytffloat@float@debug@info}{}}%
3905     {\def\@biditytffloat@float@debug@info{#1}}%
3906     {\g@addto@macro\@biditytffloat@float@debug@info{\MessageBreak#1}}%
3907 }
3908 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3909 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytffloat@float@debug
3910 \newboolean{@biditytffloat@float@recto}
3911 \newcommand{\forcerectofloat}{\gsetboolean{@biditytffloat@float@recto}{true}\@biditytffloat
3912 \newcommand{\forceversofloat}{\gsetboolean{@biditytffloat@float@recto}{false}\@biditytffloat
3913 \newsavebox{\@biditytffloat@figure@box}
3914 \newsavebox{\@biditytffloat@caption@box}
3915 \let\@biditytffloat@orig@float\@float
3916 \let\@biditytffloat@orig@endfloat\endfloat
3917 \newlength{\@biditytffloat@caption@vertical@offset}
3918 \setlength{\@biditytffloat@caption@vertical@offset}{0pt}
3919 \newcommand{\@biditytffloat@stored@shortcaption}{}
3920 \newcommand{\@biditytffloat@stored@caption}{}
3921 \newcommand{\@biditytffloat@stored@label}{}
3922 \long\def\@biditytffloat@caption[#1][#2]#3{%
3923   \ifthenelse{\isempty{#1}}%
3924     {\gdef\@biditytffloat@stored@shortcaption{#3}}%
3925     {\gdef\@biditytffloat@stored@shortcaption{#1}}%
3926   \gsetlength{\@biditytffloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3927   \gdef\@biditytffloat@stored@caption{#3}%
3928 }
3929 \newcommand{\@biditytffloat@label}[1]{%
3930   \gdef\@biditytffloat@stored@label{#1}%
3931 }
3932 \newcommand{\@biditytffloat@fps}{}
3933 \newboolean{@biditytffloat@float@star}
3934 \newlength{\@biditytffloat@float@contents@width}
3935 \newenvironment{@biditytffloat@float}[3][htbp]%
3936   {% begin @biditytffloat@float
3937     % Should this float be full-width or just text-width?
3938     \ifthenelse{\equal{#3}{star}}%
3939       {\gsetboolean{@biditytffloat@float@star}{true}}%
3940       {\gsetboolean{@biditytffloat@float@star}{false}}%
3941     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3942     \@biditytffloat@checkoddpage%

```



```

3943 \ifthenelse{\boolean{@bidituftefloat@odd@page}}%
3944 {\gsetboolean{@bidituftefloat@float@recto}{true}\@bidituftefloat@float@debug{Detected page
3945 {\gsetboolean{@bidituftefloat@float@recto}{false}\@bidituftefloat@float@debug{Detected pag
3946 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3947 \renewcommand{\@bidituftefloat@fps}{#1}%
3948 \@bidituftefloat@float@debug{Allowed positions: [#1]}%
3949 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3950 {\renewcommand{\floatalignment}{b}\@bidituftefloat@float@debug{Presumed position: [bottom]}%
3951 {\renewcommand{\floatalignment}{t}\@bidituftefloat@float@debug{Presumed position: [top]}}%
3952 % Capture the contents of the \caption and \label commands to use later
3953 \global\let\@bidituftefloat@orig@caption\caption%
3954 \global\let\@bidituftefloat@orig@label\label%
3955 \renewcommand{\caption}{\optparams{\@bidituftefloat@caption}{[] [Opt]}}%
3956 \renewcommand{\label}[1]{\@bidituftefloat@label{##1}}%
3957 % Handle subfigure package compatibility
3958 \ifthenelse{\boolean{@bidituftefloat@packages@subfigure}}{%
3959 % don't move the label while inside a \subfigure or \subtable command
3960 \global\let\label\@bidituftefloat@orig@label%
3961 }{% subfigure package is not loaded
3962 \@bidituftefloat@orig@float{#2}[#1]%
3963 \ifthenelse{\boolean{@bidituftefloat@float@star}}%
3964 {\setlength{\@bidituftefloat@float@contents@width}{\@bidituftefloat@fullwidth}}%
3965 {\setlength{\@bidituftefloat@float@contents@width}{\textwidth}}%
3966 \begin{lrbox}{\@bidituftefloat@figure@box}%
3967 \begin{minipage}[\floatalignment]{\@bidituftefloat@float@contents@width}\hbox{}%
3968 }{% end @bidituftefloat@float
3969 \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{% align
3970 \end{minipage}%
3971 \end{lrbox}%
3972 % build the caption box
3973 \begin{lrbox}{\@bidituftefloat@caption@box}%
3974 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
3975 \ifthenelse{\NOT\equal{\@bidituftefloat@stored@caption}{}}{\@bidituftefloat@orig@caption%
3976 \ifthenelse{\NOT\equal{\@bidituftefloat@stored@label}{}}{\@bidituftefloat@orig@label{\@b
3977 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3978 \end{minipage}%
3979 \end{lrbox}%
3980 % now typeset the stored boxes
3981 \begin{fullwidth}%
3982 \begin{minipage}[\floatalignment]{\linewidth}%
3983 \ifthenelse{\boolean{@bidituftefloat@float@star}}%
3984 {\@bidituftefloat@float@fullwidth[\@bidituftefloat@caption@vertical@offset]{\@biditufte
3985 {\@bidituftefloat@float@textwidth[\@bidituftefloat@caption@vertical@offset]{\@biditufte
3986 \end{minipage}%
3987 \end{fullwidth}%
3988 \@bidituftefloat@orig@endfloat% end original LaTeX float environment
3989 % output debug info
3990 \ifthenelse{\boolean{@bidituftefloat@debug}}{%
3991 \typeout{^^J^^J----- bidiutefloat package float information -----}%
3992 \ifthenelse{\equal{\@bidituftefloat@stored@label}{}}%

```



```

3993     {\typeout{Warning: Float unlabeled!}}%
3994     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
3995     \typeout{Page number: [\thepage]}%
3996     \def\MessageBreak{^^J}%
3997     \typeout{\@biditytfloat@float@debug@info}%
3998     \ifthenelse{\boolean{@biditytfloat@symmetric}}%
3999         {\typeout{Symmetric: [true]}}%
4000         {\typeout{Symmetric: [false]}}%
4001     \typeout{-----^^J^^J}%
4002 }}%
4003 % reset commands and temp boxes and captions
4004 \gdef\@biditytfloat@float@debug@info{}%
4005 \let\caption\@biditytfloat@orig@caption%
4006 \let\label\@biditytfloat@orig@label%
4007 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4008 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4009 \gdef\@biditytfloat@stored@shortcaption{}%
4010 \gdef\@biditytfloat@stored@caption{}%
4011 \gdef\@biditytfloat@stored@label{}%
4012 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4013 }
4014 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4015 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
4016     % asymmetric or page is odd, so caption is on the right
4017     \hbox{%
4018         \usebox{#2}%
4019         \hspace{\marginparsep}%
4020         \smash{\raisebox{#1}{\usebox{#3}}}%
4021     }
4022     \@biditytfloat@float@debug{Caption position: [right]}%
4023 }{% symmetric pages and page is even, so caption is on the left
4024     \hbox{%
4025         \smash{\raisebox{#1}{\usebox{#3}}}%
4026         \hspace{\marginparsep}%
4027         \usebox{#2}%
4028     }
4029     \@biditytfloat@float@debug{Caption position: [left]}%
4030 }%
4031 }
4032 \newcommand{\@biditytfloat@float@fullwidth}[3][0pt]{%
4033 \ifthenelse{\equal{\floatalignment}{b}}%
4034     {% place caption above figure
4035     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
4036     {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4037     {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4038     }{% place caption below figure
4039     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
4040     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4041     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4042     }%

```



```

4043 }
4044 \renewenvironment{figure}[1][htbp]%
4045   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4046   {\end{@biditytfloat@float}}
4047 \renewenvironment{table}[1][htbp]
4048   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4049   {\end{@biditytfloat@float}}
4050 \renewenvironment{figure*}[1][htbp]%
4051   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4052   {\end{@biditytfloat@float}}
4053 \renewenvironment{table*}[1][htbp]%
4054   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4055   {\end{@biditytfloat@float}}
4056 \newenvironment{fullwidth}
4057   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4058     {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{- \@biditytfloat@
4059       {\begin{adjustwidth}{- \@biditytfloat@overhang}}}%
4060     }%
4061     {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4062       {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4063       {\end{adjustwidth}}}%
4064   }
4065 \long\def\@caption#1[#2]#3{%
4066   \par%
4067   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4068     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4069   \begingroup%
4070     \@parboxrestore%
4071     \if@minipage%
4072       \setminipage%
4073     \fi%
4074     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4075     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4076     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4077   \endgroup}
4078 %%
4079 % Turns newlines into spaces. Based on code from the `titlesec' package.
4080 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4081   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4082 }
4083 \def\@biditytfloat@newlinetospace@i{%
4084   \ifdim\lastskip>\z@\else\space\fi
4085   \ignorespaces%
4086 }
4087 \DeclareRobustCommand{\newlinetospace}[1]{%
4088   \let\@biditytfloat@orig@cr\% save the original meaning of \
4089   \def\{\@biditytfloat@newlinetospace}% turn \ and \* into \space
4090   \let\newline\% turn \newline into \space
4091   #1%
4092   \let\\\@biditytfloat@orig@cr% revert to original meaning of \

```



```

4093 }
4094 \RequirePackage{fancyhdr}
4095 \pagestyle{fancy}
4096 \AtBeginDocument{%
4097   \ifthenelse{\boolean{@biditytfloat@symmetric}}
4098     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4099     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4100 }
4101 % The running heads/feet don't have rules
4102 \renewcommand{\headrulewidth}{0pt}
4103 \renewcommand{\footrulewidth}{0pt}
4104 % The 'fancy' page style is the default style for all pages.
4105 \fancyhf{} % clear header and footer fields
4106   \ifthenelse{\boolean{@biditytfloat@symmetric}}
4107     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4108     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4109     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4110 % The 'plain' page style is used on chapter opening pages.
4111 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4112 % bottom of pages -- the folios are unexpressed.
4113 \fancypagestyle{plain}{
4114   \fancyhf{} % clear header and footer fields
4115   % Uncomment the following five lines of code if you want the opening page
4116   % of the chapter to express the folio in the lower outside corner.
4117   % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4118   %   {\fancyfoot[LE,RO]{\thepage}}
4119   %   {\fancyfoot[RE,RO]{\thepage}}
4120 }
4121 % The 'empty' page style suppresses all headers and footers.
4122 % It's used on title pages and 'intentionally blank' pages.
4123 \fancypagestyle{empty}{
4124   \fancyhf{} % clear header and footer fields
4125 }
4126 \def\morefloats{% provides a total of 52 floats
4127   \ifthenelse{\isundefined{\bx@S}}{%
4128     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
4129     \newinsert\bx@S
4130     \newinsert\bx@T
4131     \newinsert\bx@U
4132     \newinsert\bx@V
4133     \newinsert\bx@W
4134     \newinsert\bx@X
4135     \newinsert\bx@Y
4136     \newinsert\bx@Z
4137     \newinsert\bx@a
4138     \newinsert\bx@b
4139     \newinsert\bx@c
4140     \newinsert\bx@d
4141     \newinsert\bx@e
4142     \newinsert\bx@f

```




```

4143 \newinsert\bx@g
4144 \newinsert\bx@h
4145 \newinsert\bx@i
4146 \newinsert\bx@j
4147 \newinsert\bx@k
4148 \newinsert\bx@l
4149 \newinsert\bx@m
4150 \newinsert\bx@n
4151 \newinsert\bx@o
4152 \newinsert\bx@p
4153 \newinsert\bx@q
4154 \newinsert\bx@r
4155 \newinsert\bx@s
4156 \newinsert\bx@t
4157 \newinsert\bx@u
4158 \newinsert\bx@v
4159 \newinsert\bx@w
4160 \newinsert\bx@x
4161 \newinsert\bx@y
4162 \newinsert\bx@z
4163 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4164 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4165 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4166 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4167 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4168 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4169 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4170 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4171 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4172 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4173 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4174 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4175 }-{} we've already added another 34 floats, so we'll add 26 more, but that's it!
4176 \ifthenelse{\isundefined{\bx@AA}}{-{}%
4177 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4178 \newinsert\bx@AA
4179 \newinsert\bx@BB
4180 \newinsert\bx@CC
4181 \newinsert\bx@DD
4182 \newinsert\bx@EE
4183 \newinsert\bx@FF
4184 \newinsert\bx@GG
4185 \newinsert\bx@HH
4186 \newinsert\bx@II
4187 \newinsert\bx@JJ
4188 \newinsert\bx@KK
4189 \newinsert\bx@LL
4190 \newinsert\bx@MM
4191 \newinsert\bx@NN
4192 \newinsert\bx@OO

```



```

4193 \newinsert\bx@PP
4194 \newinsert\bx@QQ
4195 \newinsert\bx@RR
4196 \newinsert\bx@SS
4197 \newinsert\bx@TT
4198 \newinsert\bx@UU
4199 \newinsert\bx@VV
4200 \newinsert\bx@WW
4201 \newinsert\bx@XX
4202 \newinsert\bx@YY
4203 \newinsert\bx@ZZ
4204 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4205 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4206 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4207 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4208 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4209 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4210 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4211 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4212 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4213 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4214 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4215 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4216 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4217 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4218 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4219 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4220 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4221 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4222 }{%
4223 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4224 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4225 }%
4226 }%
4227 }
4228 \newboolean{@bidituftefloat@packages@subfigure}
4229 \setboolean{@bidituftefloat@packages@subfigure}{false}
4230 \AtBeginDocument{%
4231 \@ifpackageloaded{subfigure}
4232 {\gsetboolean{@bidituftefloat@packages@subfigure}{true}}
4233 {\gsetboolean{@bidituftefloat@packages@subfigure}{false}}%
4234 }
4235 \AtBeginDocument{%
4236 \@ifpackageloaded{float}{%
4237 % Save the redefined float environment (instead of the LaTeX float environment)
4238 \let\@bidituftefloat@orig@float\@float
4239 \let\@bidituftefloat@orig@endfloat\endfloat
4240
4241 % Define Tuftian float styles (with the caption in the margin)
4242 \newcommand{\floatc@bidituftefloatplain}[2]{%

```



```

4243     \begin{lrbox}{\@bidiutftefloat@caption@box}%
4244         \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4245             \@bidiutftefloat@caption@font{\@fs@cfont #1:} #2\par%
4246         \end{minipage}%
4247     \end{lrbox}%
4248     \smash{\hspace{\@bidiutftefloat@caption@fill}\usebox{\@bidiutftefloat@caption@box}}%
4249 }
4250 \newcommand{\fs@bidiutftefloatplain}{%
4251     \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4252     \let\@fs@capt\floatc@bidiutftefloatplain%
4253     \def\@fs@pre{}%
4254     \def\@fs@post{}%
4255     \def\@fs@mid{}%
4256     \let\@fs@iftopcapt\iftrue%
4257 }
4258 \let\fs@bidiutftefloatplaintop=\fs@bidiutftefloatplain
4259 \let\floatc@bidiutftefloatplaintop=\floatc@bidiutftefloatplain
4260 \newcommand\floatc@bidiutftefloatruled[2]{%
4261     {\@fs@cfont #1} #2\par%
4262 }
4263 \newcommand\fs@bidiutftefloatruled{%
4264     \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4265     \let\@fs@capt\floatc@bidiutftefloatplain%
4266     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4267     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4268     \def\@fs@mid{}%
4269     \let\@fs@iftopcapt\iftrue%
4270 }
4271 \newcommand\fs@bidiutftefloatboxed{%
4272     \def\@fs@cfont{}%
4273     \let\@fs@capt\floatc@bidiutftefloatplain%
4274     \def\@fs@pre{%
4275         \setbox\@currbox\vbox{\hbadness10000
4276         \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4277         \hrule \hbox to\hsize{\vrule\kern3pt
4278         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4279     }%
4280     \def\@fs@mid{\kern2pt}%
4281     \def\@fs@post{}%
4282     \let\@fs@iftopcapt\iftrue%
4283 }
4284 }{%
4285     % Nothing to do
4286 }
4287 }
4288 \AtBeginDocument{%
4289     \ifpackageloaded{algorithm}{%
4290         % Set the float style to the TufTian version
4291         \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}}\OR\equal{\ALG@floatstyle}{boxed}}{\ALG@floatstyle=boxed}
4292     \bidiutftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to boxed}

```



```

4293     \floatstyle{biditytfloat\ALG@floatstyle}%
4294     \restylefloat{algorithm}%
4295   }{}%
4296 }{%
4297   % Nothing to do
4298 }
4299 }
4300 \PassOptionsToPackage{caption=false}{subfig}

```

7.24 biditytfloat.sty

```

4301 \NeedsTeXFormat{LaTeX2e}
4302 \ProvidesPackage{biditytfloat}[2015/04/30 v0.3
4303 bidi implementation of tufte sidenote]
4304 \RequirePackage{xifthen}
4305 \RequirePackage{ragged2e}
4306 \RequirePackage{setspace}
4307 \RequirePackage{biditytools}
4308 \def\biditytfloatmarginpar{%
4309   \ifhmode
4310     \@bsphack
4311     \@floatpenalty -\@Mii
4312   \else
4313     \@floatpenalty-\@Miii
4314   \fi
4315   \ifinner
4316     \@parmoderr
4317     \@floatpenalty\z@
4318   \else
4319     \@next\@currbox\@freelist{}{}%
4320     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4321     {\@floatpenalty\z@
4322       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4323   \fi
4324   \@ifnextchar [\@biditytfloatexmpar\@biditytfloatteympar}
4325 \long\def\@biditytfloatexmpar[#1]#2{%
4326   \@biditytfloatsavesavemarbox\@marbox{#1}%
4327   \@biditytfloatsavesavemarbox\@currbox{#2}%
4328   \@xympar}
4329 \long\def\@biditytfloatteympar#1{%
4330   \@biditytfloatsavesavemarbox\@marbox{#1}%
4331   \global\setbox\@currbox\copy\@marbox
4332   \@xympar}
4333 \long\def \@biditytfloatsavesavemarbox #1#2{%
4334   \global\setbox #1%
4335     \color@vbox
4336     \vtop{%
4337       \hsize\marginparwidth
4338       \@parboxrestore
4339       \@biditytfloatmarginparreset

```



```

4340     #2%
4341     \@minipagefalse
4342     \outer@nobreak
4343     }%
4344     \color@endbox
4345 }
4346 \def \@bidiuftesidenotemarginparreset {%
4347     \reset@font
4348     \normalsize
4349     \@minipagetrue
4350     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4351 }
4352 \def\LTRbidiuftesidenotemarginpar{%
4353     \ifhmode
4354         \@bsphack
4355         \@floatpenalty -\@Mii
4356     \else
4357         \@floatpenalty-\@Miii
4358     \fi
4359     \ifinner
4360         \@parmoderr
4361         \@floatpenalty\z@
4362     \else
4363         \@next\@currbox\@freelist{ }{}%
4364         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4365         {\@floatpenalty\z@
4366         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4367     \fi
4368     \@ifnextchar [\@LTRbidiuftesidenotexmpar\@LTRbidiuftesidenoteympar}
4369 \long\def\@LTRbidiuftesidenotexmpar[#1]#2{%
4370     \@LTRbidiuftesidenotesavemarbox\@marbox{#1}%
4371     \@LTRbidiuftesidenotesavemarbox\@currbox{#2}%
4372     \@xympar}
4373 \long\def\@LTRbidiuftesidenoteympar#1{%
4374     \@LTRbidiuftesidenotesavemarbox\@marbox{#1}%
4375     \global\setbox\@currbox\copy\@marbox
4376     \@xympar}
4377 \long\def \@LTRbidiuftesidenotesavemarbox #1#2{%
4378     \global\setbox #1%
4379     \color@vbox
4380     \vtop{%
4381     \hsize\marginparwidth
4382     \@parboxrestore
4383     \@LTRbidiuftesidenotemarginparreset
4384     #2%
4385     \@minipagefalse
4386     \outer@nobreak
4387     }%
4388     \color@endbox
4389 }

```



```

4390 \def \LTRbidityftesidenotemarginparreset {%
4391     \reset@font
4392     \normalsize
4393     \@minipagetrue
4394     \everypar{\@minipagefalse\everypar{}}\beginL}%
4395 }
4396 \def\RTLbidityftesidenotemarginpar{%
4397     \ifhmode
4398     \@bsphack
4399     \@floatpenalty -\@Mii
4400 \else
4401     \@floatpenalty-\@Miii
4402 \fi
4403 \ifinner
4404     \@parmoderr
4405     \@floatpenalty\z@
4406 \else
4407     \@next\@currbox\@freelist{}}}%
4408     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4409     {\@floatpenalty\z@
4410     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4411 \fi
4412 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4413 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4414     \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4415     \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4416     \@xympar}
4417 \long\def\@RTLbidityftesidenoteympar#1{%
4418     \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4419     \global\setbox\@currbox\copy\@marbox
4420     \@xympar}
4421 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4422     \global\setbox #1%
4423     \color@vbox
4424     \vtop{%
4425     \hsize\marginparwidth
4426     \@parboxrestore
4427     \@RTLbidityftesidenotemarginparreset
4428     #2%
4429     \@minipagefalse
4430     \outer@nobreak
4431     }%
4432     \color@endbox
4433 }
4434 \def \@RTLbidityftesidenotemarginparreset {%
4435     \reset@font
4436     \normalsize
4437     \@minipagetrue
4438     \everypar{\@minipagefalse\everypar{}}\beginR}%
4439 }

```



```

4440 \newcommand{\@bidiuftesidenote@marginfont}{\normalfont\footnotesize}
4441 \newcommand*{\@bidiuftesidenote@sidenote@font}{\@bidiuftesidenote@marginfont}
4442 \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
4443 \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
4444 \newcommand*{\@bidiuftelTRsidenote@citation@font}{\@bidiuftesidenote@marginfont}
4445 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
4446 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
4447 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
4448 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidiuftelTRsidenote@citation@font}{#1}}
4449 \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@au}
4450 \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@au}
4451 \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@au}
4452 \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
4453 \newcommand{\@bidiuftesidenote@margin@par}{%
4454   \setlength{\RaggedRightParindent}{0.5pc}%
4455   \setlength{\JustifyingParindent}{0.5pc}%
4456   \setlength{\parindent}{0.5pc}%
4457   \setlength{\parskip}{0pt}%
4458 }
4459 %%
4460 % Globally sets the length
4461 \ifundefined{gsetlength}{%
4462 \newcommand*{\gsetlength}[2]{%
4463   \setlength{#1}{#2}%
4464   \global#1=#1\relax%
4465 }%
4466 }{}
4467 %%
4468 % Globally sets a boolean
4469 \ifundefined{gsetboolean}{%
4470 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4471   \lowercase{\def\@tempa{#2}}%
4472   \@ifundefined{\@tempa}{%
4473     {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4474     {\@ifundefined{#1}{\@tempa}%
4475       {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4476       {\global\csname#1\@tempa\endcsname}%
4477     }%
4478 }%
4479 }{}
4480 %%
4481 % A function that removes leading and trailing spaces from the supplied macro.
4482 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4483 % Executing \@bidiuftesidenote@trim@spaces\xzyzy will result in the contents of \xyzy
4484 % being trimmed of leading and trailing white space.
4485 \catcode`\Q=3
4486 \def\@bidiuftesidenote@trim@spaces#1{%
4487   % Use grouping to emulate a multi-token afterassignment queue
4488   \begingroup%
4489   % Put ``\toks 0 {' into the afterassignment queue

```



```

4490 \aftergroup\toks\aftergroup0\aftergroup{%
4491 % Apply \trimb to the replacement text of #1, adding a leading
4492 % \noexpand to prevent brace stripping and to serve another purpose
4493 % later.
4494 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4495 % Transfer the trimmed text back into #1.
4496 \edef#1{\the\toks0}%
4497 }
4498 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4499 % clean up any leftover bizarre Qs, and trim a leading space. In
4500 % order for \trimc to work properly we need to put back a Q first.
4501 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4502 % Execute \vfuzz assignment to remove leading space; the \noexpand
4503 % will now prevent unwanted expansion of a macro or other expandable
4504 % token at the beginning of the trimmed text. The \endgroup will feed
4505 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4506 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4507 \catcode\Q=11
4508 %%
4509 % Citations should go in the margin as sidenotes
4510
4511 \RequirePackage{natbib}
4512 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
4513 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4514 \renewcommand\BR@b@bibitem[2] [] {%
4515 \ifthenelse{\isempty{#1}}{%
4516 {\BR@b@bibitem{#2}}%
4517 {\BR@b@bibitem{#1}{#2}}%
4518 \BR@c@bibitem{#2}}%
4519 }
4520 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4521 %%
4522 % Normal \cite behavior
4523 \newcounter{@bidityftesidenote@num@bibkeys}%
4524 \newcommand{@@bidityftesidenote@normal@cite}[2] [Opt] {%
4525 % Snag the last bibentry in the list for later comparison
4526 \let\@temp@last@bibkey\@empty%
4527 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4528 \sidenote[] [#1] {%
4529 % Loop through all the bibentries, separating them with semicolons and spaces
4530 \normalsize\normalfont\@bidityftesidenote@citation@font%
4531 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4532 \@for\@temp@bibkeyx:=#2\do{%
4533 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4534 {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }%
4535 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4536 \bibentry{\@temp@bibkeyx}}%
4537 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4538 \bibentry{\@temp@bibkeyx};\ }%
4539 \stepcounter{@bidityftesidenote@num@bibkeys}}%

```




```

4540 }%
4541 }%
4542 }
4543 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4544 % Snag the last bibentry in the list for later comparison
4545 \let\@temp@last@bibkey\empty%
4546 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4547 \LTRsidenote[] [#1]{%
4548 % Loop through all the bibentries, separating them with semicolons and spaces
4549 \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4550 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4551 \@for\@temp@bibkeyx:=#2\do{%
4552 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4553 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
4554 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4555 \bibentry{\@temp@bibkeyx}}%
4556 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4557 \bibentry{\@temp@bibkeyx};\ }}%
4558 \stepcounter{@bidityftesidenote@num@bibkeys}%
4559 }%
4560 }%
4561 }
4562 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4563 % Snag the last bibentry in the list for later comparison
4564 \let\@temp@last@bibkey\empty%
4565 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4566 \RTLsidenote[] [#1]{%
4567 % Loop through all the bibentries, separating them with semicolons and spaces
4568 \normalsize\normalfont\@bidityftesidenote@citation@font%
4569 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4570 \@for\@temp@bibkeyx:=#2\do{%
4571 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4572 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
4573 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4574 \bibentry{\@temp@bibkeyx}}%
4575 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4576 \bibentry{\@temp@bibkeyx};\ }}%
4577 \stepcounter{@bidityftesidenote@num@bibkeys}%
4578 }%
4579 }%
4580 }
4581 %%
4582 % Macros for holding the list of cite keys until after the \sidenote
4583 \gdef\@bidityftesidenote@citations{}% list of cite keys
4584 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4585 \ifx\@bidityftesidenote@citations\empty\else
4586 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4587 \fi
4588 \g@addto@macro\@bidityftesidenote@citations{#1}
4589 }

```



```

4590 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4591 % Snag the last bibentry in the list for later comparison
4592 \let\@temp@last@bibkey\@empty%
4593 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4594 \marginpar{%
4595   \hbox{} \vspace*{#1}%
4596   \@bidityftesidenote@citation@font%
4597   \@bidityftesidenote@citation@justification%
4598   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4599   \vspace*{-1\baselineskip}%
4600 % Loop through all the bibentries, separating them with semicolons and spaces
4601 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4602 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4603   \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4604   {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4605   \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4606   \bibentry{\@temp@bibkeyx}}%
4607   {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4608   \bibentry{\@temp@bibkeyx};\ }%
4609   \stepcounter{@bidityftesidenote@num@bibkeys}%
4610   }%
4611 }%
4612 }
4613 %%
4614 % \cite behavior when executed within a sidenote
4615 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4616 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4617   \@bidityftesidenote@add@citation{#1}
4618 }
4619 %%
4620 % Set the default \cite style. This is set and reset by the \sidenote command.
4621 \let\cite\@bidityftesidenote@normal@cite
4622 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4623 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4624 %%
4625 % Transform existing \footnotes into \sidenotes
4626 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4627 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4628 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4629 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4630 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4631 % sidenote's text block.
4632 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote@font}}
4633 % Set the in-text footnote mark in the same typeface as the body text itself.
4634 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize}}
4635 \providecommand*\multiplefootnotemark}{3sp}
4636 \providecommand*\multfootsep}{,}
4637 \bidi@patch@AfterPackage{bidi}{%
4638 \renewcommand{\@footnotemark}{%
4639   \leavevmode%

```



```

4640 \ifhmode%
4641   \edef\x@sf{\the\spacefactor}%
4642   \@bidityftesidenote@check@multiple@sidenotes%
4643   \nobreak%
4644 \fi%
4645 \@makefnmark%
4646 \ifhmode\spacefactor\x@sf\fi%
4647 \relax%
4648 }%
4649 }
4650 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4651   \ifdim\lastkern=\multiplefootnotemarker\relax%
4652     \edef\x@sf{\the\spacefactor}%
4653     \unkern%
4654     \textsuperscript{\multfootsep}%
4655     \spacefactor\x@sf\relax%
4656 \fi
4657 }
4658 \bidi@patch@AfterPackage{bidi}{%
4659 \renewcommand\@footnotetext[2][Opt]{%
4660   \bidityftesidenotemarginpar{%
4661     \hbox{} \vspace*{#1}%
4662     \def\baselinestretch{\setspace@singlespace}%
4663     \reset@font\footnotesize%
4664     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4665     \vspace*{-1\baselineskip}\noindent%
4666     \protected@edef\@currentlabel{%
4667       \csname p@footnote\endcsname\@thefnmark%
4668     }%
4669     \color@begingroup%
4670     \@makefnmark%
4671     \ignorespaces#2%
4672   }%
4673   \color@endgroup%
4674 }%
4675 }%
4676 \renewcommand\@LTRfootnotetext[2][Opt]{%
4677   \LTRbidityftesidenotemarginpar{%
4678     \hbox{} \vspace*{#1}%
4679     \def\baselinestretch{\setspace@singlespace}%
4680     \reset@font\footnotesize%
4681     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4682     \vspace*{-1\baselineskip}\noindent%
4683     \protected@edef\@currentlabel{%
4684       \csname p@footnote\endcsname\@thefnmark%
4685     }%
4686     \color@begingroup%
4687     \@makefnmark%
4688     \ignorespaces#2%
4689   }%

```



```

4690   \color@endgroup%
4691   }%
4692 }%
4693 \renewcommand\@RTLfootnotetext[2][Opt]{%
4694   \RTLbidituftesidenotemarginpar{%
4695     \hbox{} \vspace*{#1}%
4696     \def\baselinestretch {\setspace@singlespace}%
4697     \reset@font\footnotesize%
4698     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4699     \vspace*{-1\baselineskip}\noindent%
4700     \protected@edef\@currentlabel{%
4701       \csname p@footnote\endcsname\@thefnmark%
4702     }%
4703     \color@begingroup%
4704     \@makefnmark{%
4705       \ignorespaces#2%
4706     }%
4707     \color@endgroup%
4708   }%
4709 }%
4710 }
4711 %
4712 % Define \sidenote command. Can handle \cite.
4713 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
4714 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{Opt}
4715 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4716 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
4717   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4718   \gdef\@bidituftesidenote@citations{}% clear out any old citations
4719   \ifthenelse{\NOT\isempty{#2}}{%
4720     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4721   }{%
4722     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{Opt}%
4723   }%
4724   \ifthenelse{\isempty{#1}}{%
4725     % no specific footnote number provided
4726     \stepcounter\@mpfn%
4727     \protected@xdef\@thefnmark{\thempfn}%
4728     \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4729   }{%
4730     % specific footnote number provided
4731     \begingroup%
4732     \csname c@\@mpfn\endcsname #1\relax%
4733     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4734     \endgroup%
4735     \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4736   }%
4737   \@bidituftesidenote@print@citations% print any citations
4738   \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4739   \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co

```



```

4740 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTLcite co
4741 \unskip\ignorespaces%                               remove extra white space
4742 \kern-\multiplefootnotemarker%    remove \kern left behind by sidenote
4743 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4744 }
4745 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4746 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
4747 \gdef\@bidityftesidenote@citations{}}%          clear out any old citations
4748 \ifthenelse{\NOT\isempty{#2}}{%
4749   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4750 }{%
4751   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4752 }%
4753 \ifthenelse{\isempty{#1}}{%
4754   % no specific footnote number provided
4755   \stepcounter\@mpfn%
4756   \protected@xdef\@thefnmark{\thempfn}%
4757   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4758 }{%
4759   % specific footnote number provided
4760   \begingroup%
4761     \csname c@\@mpfn\endcsname #1\relax%
4762     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4763   \endgroup%
4764   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4765 }%
4766 \@bidityftesidenote@print@citations%              print any citations
4767 \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
4768 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTRcite co
4769 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTLcite co
4770 \unskip\ignorespaces%                               remove extra white space
4771 \kern-\multiplefootnotemarker%    remove \kern left behind by sidenote
4772 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4773 }
4774 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
4775 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
4776 \gdef\@bidityftesidenote@citations{}}%          clear out any old citations
4777 \ifthenelse{\NOT\isempty{#2}}{%
4778   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4779 }{%
4780   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4781 }%
4782 \ifthenelse{\isempty{#1}}{%
4783   % no specific footnote number provided
4784   \stepcounter\@mpfn%
4785   \protected@xdef\@thefnmark{\thempfn}%
4786   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4787 }{%
4788   % specific footnote number provided
4789   \begingroup%

```



```

4790     \csname c@\mpfn\endcsname #1\relax%
4791     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4792     \endgroup%
4793     \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4794 }%
4795     \@bidituftesidenote@print@citations%           print any citations
4796     \let\cite\@bidituftesidenote@normal@cite%     go back to using normal in-text \cite command
4797     \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4798     \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4799     \unskip\ignorespaces%                          remove extra white space
4800     \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
4801     \kern\multiplefootnotemarker\relax%          add new \kern here to replace the one we yanked
4802 }
4803 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4804 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4805 \newcommand{\RTLsidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4806 \bidi@patch@AfterPackage{bidi}{%
4807 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4808 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4809 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
4810 }
4811 %%
4812 % Sidenote without the footnote mark
4813 \newcommand\marginnote[2] [Opt]{%
4814 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4815 \gdef\@bidituftesidenote@citations{}}%      clear out any old citations
4816 \bidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituft
4817 \@bidituftesidenote@print@citations%           print any citations
4818 \let\cite\@bidituftesidenote@normal@cite%     go back to using normal in-text \cite command
4819 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4820 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4821 }
4822 \newcommand\LTRmarginnote[2] [Opt]{%
4823 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4824 \gdef\@bidituftesidenote@citations{}}%      clear out any old citations
4825 \LTRbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidit
4826 \@bidituftesidenote@print@citations%           print any citations
4827 \let\cite\@bidituftesidenote@normal@cite%     go back to using normal in-text \cite command
4828 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4829 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4830 }
4831 \newcommand\RTLmarginnote[2] [Opt]{%
4832 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4833 \gdef\@bidituftesidenote@citations{}}%      clear out any old citations
4834 \RTLbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidit
4835 \@bidituftesidenote@print@citations%           print any citations
4836 \let\cite\@bidituftesidenote@normal@cite%     go back to using normal in-text \cite command
4837 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite co
4838 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite co
4839 }

```



7.25 biduntetoc.sty

```
4840 \NeedsTeXFormat{LaTeX2e}
4841 \ProvidesPackage{biduntetoc}[2011/06/17 v0.1
4842 bidi implementation of tufte toc]
4843 \RequirePackage{titlesec,titletoc,xifthen,biditools}
4844 \newcommand{@biduntetoc@pkgname}{biduntetoc}
4845 \newcommand{\biduntetocError}[2]{\PackageError{@biduntetoc@pkgname}{#1}{#2}}
4846 %%
4847 % Turn off section numbering
4848 \setcounter{secnumdepth}{-1}
4849 \newboolean{@biduntetoc@toc}
4850 \setboolean{@biduntetoc@toc}{true}
4851 \DeclareOption{notoc}{\setboolean{@biduntetoc@toc}{false}}
4852 \DeclareOption{toc}{\setboolean{@biduntetoc@toc}{true}}
4853 \ProcessOptions
4854 %%
4855 % Make Tuftian-style section headings and TOC formatting
4856 \bidi@patch@AfterPackage{bidi}{%
4857 \titleformat{\chapter}{%
4858 [display]% shape
4859 {\relax\ifthenelse{\NOT\boolean{@biduntetofloat@symmetric}}{\begin{fullwidth}}{}}% format app
4860 {\itshape\huge\thechapter}% label
4861 {0pt}% horizontal separation between label and title body
4862 {\huge\rmfamily\itshape}% before the title body
4863 [\ifthenelse{\NOT\boolean{@biduntetofloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4864 \titleformat{\section}{%
4865 [hang]% shape
4866 {\normalfont\Large\itshape}% format applied to label+text
4867 {\thesection}% label
4868 {1em}% horizontal separation between label and title body
4869 {}% before the title body
4870 []% after the title body
4871 \titleformat{\subsection}{%
4872 [hang]% shape
4873 {\normalfont\large\itshape}% format applied to label+text
4874 {\thesubsection}% label
4875 {1em}% horizontal separation between label and title body
4876 {}% before the title body
4877 []% after the title body
4878 \titleformat{\paragraph}{%
4879 [runin]% shape
4880 {\normalfont\itshape}% format applied to label+text
4881 {\theparagraph}% label
4882 {1em}% horizontal separation between label and title body
4883 {}% before the title body
4884 []% after the title body
4885 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4886 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4887 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
```



```

4888 }
4889 % Subsubsection and following section headings shouldn't be used.
4890 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4891 \renewcommand\subsubsection{%
4892 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
4893 \MessageBreak See Robert Bringhurst's _The Elements of
4894 \MessageBreak Typographic Style_, section 4.2.2.
4895 \MessageBreak \noexpand\subsubsection was used}
4896 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4897 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4898 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4899 }
4900 \renewcommand\subparagraph{%
4901 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
4902 \MessageBreak See Robert Bringhurst's _The Elements of
4903 \MessageBreak Typographic Style_, section 4.2.2.
4904 \MessageBreak \noexpand\subparagraph was used}
4905 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4906 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4907 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4908 }
4909 % Formatting for main TOC (printed in front matter)
4910 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4911 \ifthenelse{\boolean{@biditytetoc@toc}}{%
4912 \bidi@patch@AfterPackage{bidi}{%
4913 \titlecontents{part}% FIXME
4914 [0em] % distance from left margin
4915 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4916 {\contentslabel{2em}} % before w/label (label = ``II'')
4917 {} % before w/o label
4918 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4919 [\end{fullwidth}] % after
4920 \titlecontents{chapter}%
4921 [0em] % distance from left margin
4922 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4923 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4924 {\hspace*{0em}} % before w/o label
4925 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4926 [\end{fullwidth}] % after
4927 \titlecontents{section}% FIXME
4928 [0em] % distance from left margin
4929 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4930 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4931 {\hspace*{2em}} % before w/o label
4932 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4933 [\end{fullwidth}] % after
4934 \titlecontents{subsection}% FIXME
4935 [0em] % distance from left margin
4936 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4937 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')

```




```

4938     {\hspace*{4em}} % before w/o label
4939     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4940     [\end{fullwidth}] % after
4941 \titlecontents{paragraph}% FIXME
4942     [0em] % distance from left margin
4943     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global form
4944     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4945     {\hspace*{6em}} % before w/o label
4946     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4947     [\end{fullwidth}] % after
4948 }%
4949 }{}
4950 %%
4951 % Format lists of figures/tables
4952 \renewcommand\listoffigures{%
4953   \@ifundefined{chapter}%
4954     {\section*{\listfigurename}}%
4955     {\chapter*{\listfigurename}}%
4956 % \begin{fullwidth}%
4957   \@starttoc{lof}%
4958 % \end{fullwidth}%
4959 }
4960 \renewcommand\listoftables{%
4961   \@ifundefined{chapter}%
4962     {\section*{\listtablename}}%
4963     {\chapter*{\listtablename}}%
4964 % \begin{fullwidth}%
4965   \@starttoc{lot}%
4966 % \end{fullwidth}%
4967 }
4968 \newcommand{\@bidiuftetoc@lof@line}[2]{%
4969   % #1 is the figure/table number and its caption text
4970   % #2 is the page number on which the figure/table appears
4971   \leftskip 0.0em
4972   \rightskip 0em
4973   \parfillskip 0em plus 1fil
4974   \parindent 0.0em
4975   \@afterindenttrue
4976   \interlinepenalty\@M
4977   \leavevmode
4978   \@tempdima 2.0em
4979   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4980   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
4981   {#1}\nobreak\qqquad\nobreak#2%
4982   \par%
4983 }
4984 \renewcommand*\l@figure{\@bidiuftetoc@lof@line}
4985 \let\l@table\l@figure

```



7.26 biduntftegeneralstructure.sty

```
4986 \NeedsTeXFormat{LaTeX2e}
4987 \ProvidesPackage{biduntftegeneralstructure}[2011/06/18 v0.1
4988 bidi implementation of tufte general structure]
4989 \renewcommand\small{%
4990   \@setfontsize\small\@ixpt{12}%
4991   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4992   \abovedisplayshortskip \z@ \@plus2\p@
4993   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4994   \def\@listi{\leftmargin\leftmargini
4995             \topsep 4\p@ \@plus2\p@ \@minus2\p@
4996             \parsep 2\p@ \@plus\p@ \@minus\p@
4997             \itemsep \parsep}%
4998   \belowdisplayskip \abovedisplayskip
4999 }
5000 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
5001 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5002 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5003 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5004 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5005 \renewcommand\huge{\@setfontsize\huge\@xxxpt{30}}
5006 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5007 \setlength\leftmargini {1pc}
5008 \setlength\leftmarginii {1pc}
5009 \setlength\leftmarginiii {1pc}
5010 \setlength\leftmarginiv {1pc}
5011 \setlength\leftmarginv {1pc}
5012 \setlength\leftmarginvi {1pc}
5013 \setlength\labelsep {0.5pc}
5014 \setlength\labelwidth {\leftmargini}
5015 \addtolength\labelwidth{-\labelsep}
5016 \setlength{\parindent}{1.0pc}%
5017 \setlength{\parskip}{0pt}%
5018 \RequirePackage{ragged2e}
5019 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5020 % Paragraph indentation and separation for normal text
5021 \newcommand{\@biduntftegeneralstructure@reset@par}{%
5022   \setlength{\RaggedRightParindent}{1.0pc}%
5023   \setlength{\JustifyingParindent}{1.0pc}%
5024   \setlength{\parindent}{1pc}%
5025   \setlength{\parskip}{0pt}%
5026 }
5027 \@biduntftegeneralstructure@reset@par
5028 % Require paralist package for tighter lists
5029 \RequirePackage{paralist}
5030 % Add rightmargin to compactenum
5031 \def\@compactenum@{%
5032   \expandafter\list\csname label\@enumctr\endcsname{%
5033     \usecounter{\@enumctr}%
```



```

5034 \rightmargin=2em% added this
5035 \parsep\plparsep
5036 \itemsep\plitemsep
5037 \topsep\pltopsep
5038 \partopsep\plpartopsep
5039 \def\makelabel##1{\hss\llap{##1}}}}
5040 %%
5041 % An environment for paragraph-style section
5042 \providecommand\newthought[1]{%
5043 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5044 \noindent\textbf{#1}%
5045 }
5046 %%
5047 % Redefine the display environments (quote, quotation, etc.)
5048 \renewenvironment{verse}
5049     {\let\@centercr
5050      \list{}{\itemsep \z@
5051              \itemindent -1pc%
5052              \listparindent\itemindent
5053              \rightmargin \leftmargin
5054              \advance\leftmargin 1pc}%
5055      \small%
5056      \item\relax}
5057     {\endlist}
5058 \renewenvironment{quotation}
5059     {\list{}{\listparindent 1pc%
5060              \itemindent \listparindent
5061              \rightmargin \leftmargin
5062              \parsep \z@ \@plus\p@}%
5063      \small%
5064      \item\relax\noindent\ignorespaces}
5065     {\endlist}
5066 \renewenvironment{quote}
5067     {\list{}{\rightmargin\leftmargin}%
5068      \small%
5069      \item\relax}
5070     {\endlist}
5071 % Italicize description run-in headings (instead of the default bold)
5072 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5073 %%
5074 % Redefine \bibsection to not mark the running heads.
5075 % (Code modified from natbib.sty.)
5076 \@ifundefined{chapter}%
5077     {\renewcommand\bibsection{\section*{\refname}}}
5078     {\@ifundefined{NAT@sectionbib}%
5079      {\renewcommand\bibsection{\chapter{\bibname}}}
5080      {\renewcommand\bibsection{\section*{\bibname}}}}
5081 \RequirePackage{multicol}
5082 \renewenvironment{theindex}{%
5083 \@ifundefined{chapter}%

```



```

5084     {\section*{\indexname}}%
5085     {\chapter{\indexname}}%
5086 \begin{fullwidth}%
5087 \small%
5088 \parskip0pt%
5089 \parindent0pt%
5090 \let\item\@idxitem%
5091 \begin{multicols}{3}%
5092 }-%
5093 \end{multicols}%
5094 \end{fullwidth}%
5095 }
5096 \AtBeginDocument{%
5097 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5098 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5099 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
5100 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5101 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 bidituftehyperref.sty

```

5102 \NeedsTeXFormat{LaTeX2e}
5103 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5104 bidi implementation of tufte hyperref]
5105 %%
5106 % Color
5107 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5108 \newboolean{@bidituftehyperref@loadhyper}
5109 \setboolean{@bidituftehyperref@loadhyper}{true}
5110 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5111 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5112 \ProcessOptions
5113 %% Loads the hyperref package and sets some default options.
5114 \newcommand{\bidituftehyperrefLoadHyperref}{%
5115 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5116 \hypersetup{%
5117     bookmarksdepth = section,
5118     citecolor = DarkGreen,
5119     linkcolor = DarkBlue,
5120 %     pagecolor = DarkBlue,
5121     urlcolor = DarkGreen,
5122 }%
5123 }
5124 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
5125 \bidituftehyperrefLoadHyperref%
5126 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5127 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5128 }

```

7.28 bidituftetitle.sty



```

5129 \NeedsTeXFormat{LaTeX2e}
5130 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5131 bidi implementation of tufte title]
5132 \RequirePackage{biditools}
5133 %%
5134 % `titlepage' option -- creates a full title page with \maketitle
5135 \newboolean{@bidituftetitle@titlepage}
5136 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
5137 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
5138 % Default `book' and `handout' options
5139 \@ifclassloaded{book}{%
5140 \ExecuteOptions{titlepage}}{%
5141 \@ifclassloaded{article}{%
5142 \ExecuteOptions{notitlepage}}%
5143 {}}
5144 \ProcessOptions
5145 %%
5146 % Modified \title, \author, and \date commands. These store the
5147 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5148 \newcommand{\plaintitle}{}% plain-text-only title
5149 \newcommand{\plainauthor}{}% plain-text-only author
5150 \newcommand{\plainpublisher}{}% plain-text-only publisher
5151 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5152 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5153 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5154 \newcommand{\@publisher}{}% full publisher with \thanks{}
5155 \newcommand{\thedate}{\today}
5156 \bidi@patch@AfterPackage{bidi}{%
5157 \renewcommand{\thanks}[1]{\footnote{#1}}
5158 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5159 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5160 }
5161 \renewcommand{\title}[2] []{%
5162 \gdef\@title{#2}%
5163 \begingroup%
5164 % TODO store contents of \thanks command
5165 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5166 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5167 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5168 \protected@xdef\thanklesstitle{#2}%
5169 \endgroup%
5170 \ifthenelse{\isempty{#1}}%
5171 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5172 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5173 \@ifundefined{hypersetup}%
5174 {}% hyperref is not loaded; do nothing
5175 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5176 }
5177 \let\@author@empty% suppress default latex.ltx ``no author'' warning
5178 \renewcommand{\author}[2] []{%

```



```

5179 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5180 \begingroup%
5181 % TODO store contents of \thanks command
5182 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5183 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5184 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5185 \protected@xdef\thanklessauthor{#2}%
5186 \endgroup%
5187 \ifthenelse{\isempty{#1}}%
5188 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5189 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5190 \@ifundefined{hypersetup}%
5191 {}% hyperref is not loaded; do nothing
5192 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5193 }
5194 \renewcommand{\date}[1]{%
5195 \gdef\@date{#1}%
5196 \begingroup%
5197 % TODO store contents of \thanks command
5198 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5199 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5200 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5201 \protected@xdef\thedata{#1}%
5202 \endgroup%
5203 }
5204 %%
5205 % Provides a \publisher command to set the publisher
5206 \newcommand{\publisher}[2][ ]{%
5207 \gdef\@publisher{#2}%
5208 \begingroup%
5209 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5210 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5211 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5212 \protected@xdef\thanklesspublisher{#2}%
5213 \endgroup%
5214 \ifthenelse{\isempty{#1}}
5215 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5216 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5217 }
5218 %%
5219 % Produces a full title page
5220 \newcommand{\maketitlepage}[0]{%
5221 \cleardoublepage%
5222 {}%
5223 \bfseries%
5224 \begin{fullwidth}%
5225 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5226 \vspace{11.5pc}%
5227 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5228 \vfill%

```



```

5229 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5230 \end{fullwidth}%
5231 }
5232 \thispagestyle{empty}%
5233 \clearpage%
5234 }
5235 %%
5236 % Title block
5237 \bidi@AfterEndPreamble{%
5238 \renewcommand{\maketitle}{%
5239 \newpage%
5240 \global\@topnum\z@% prevent floats from being placed at the top of the page
5241 \begingroup%
5242 \setlength{\parindent}{0pt}%
5243 \setlength{\parskip}{4pt}%
5244 \let\@title\@empty%
5245 \let\@author\@empty%
5246 \let\@date\@empty%
5247 \gdef\@title{\LARGE\itshape\@title\par}%
5248 \gdef\@author{\Large\itshape\@author\par}%
5249 \gdef\@date{\Large\itshape\@date\par}%
5250 \@title%
5251 \@author%
5252 \@date%
5253 \endgroup%
5254 \thispagestyle{plain}% suppress the running head
5255 }%
5256 }
5257 %%
5258 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5259 % class.)
5260 \bidi@AfterEndPreamble{%
5261 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5262 {\renewcommand{\maketitle}{\maketitlepage}}
5263 {}
5264 }
5265 %%
5266 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5267 % without headers and footers
5268 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5269 \hbox{}
5270 %\vspace*{\fill}
5271 %\begin{center}
5272 % This page intentionally contains only this sentence.
5273 %\end{center}
5274 %\vspace{\fill}
5275 \thispagestyle{empty}
5276 \newpage
5277 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```



7.29 biditufte-handout.cls

```
5278 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5279 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
5280 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5281 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5282 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5283 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5284 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5285 \ProcessOptions\relax
5286 \LoadClass{article}
5287 \RequirePackage{bidituftefloat}
5288 \RequirePackage{bidituftesidenote}
5289 \RequirePackage{bidituftetoc}
5290 \RequirePackage{bidituftegeneralstructure}
5291 \RequirePackage{bidituftehyperref}
5292 \RequirePackage{bidituftetitle}
5293 \renewenvironment{abstract}
5294   {\begin{quotation}}
5295   {\end{quotation}}
5296 \AtBeginDocument{%
5297   \IfFileExists{biditufte-handout.cfg}
5298     {\input{biditufte-handout.cfg}
5299     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5300   {}%
5301 }
```

7.30 biditufte-book.cls

```
5302 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5303 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5304 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5305 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5306 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5307 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5308 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5309 \ProcessOptions\relax
5310 \LoadClass{book}
5311 \RequirePackage{bidituftefloat}
5312 \RequirePackage{bidituftesidenote}
5313 \RequirePackage{bidituftetoc}
5314 \RequirePackage{bidituftegeneralstructure}
5315 \RequirePackage{bidituftehyperref}
5316 \RequirePackage{bidituftetitle}
5317 %%
5318 % Set up any book-specific stuff now
5319 %%
5320 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5321 % to the opening page of Chapter 1. The running heads, when they appear,
5322 % contain only the (arabic) page number in the outside corner.
5323 %\newif\if@mainmatter \@mainmattertrue
```




```

5324 \renewcommand\frontmatter{%
5325   \cleardoublepage%
5326   \@mainmatterfalse%
5327   \pagenumbering{arabic}%
5328   %\pagestyle{plain}%
5329   \fancyhf{}%
5330   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5331     {\fancyhead[LE,RO]{\thepage}}%
5332     {\fancyhead[RE,RO]{\thepage}}%
5333 }
5334 %%
5335 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5336 % numbering---it continues where it left off in the front matter.
5337 \renewcommand\mainmatter{%
5338   \cleardoublepage%
5339   \@mainmattertrue%
5340   \fancyhf{}%
5341   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5342     {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5343     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5344     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5345     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5346 }
5347 %%
5348 % The back matter contains appendices, indices, glossaries, endnotes,
5349 % bibliographies, list of contributors, illustration credits, etc.
5350 \renewcommand\backmatter{%
5351   \if@openright%
5352     \cleardoublepage%
5353   \else%
5354     \clearpage%
5355   \fi%
5356   \@mainmatterfalse%
5357 }
5358 %%
5359 % Only show the chapter titles in the table of contents
5360 \setcounter{tocdepth}{0}
5361 \AtBeginDocument{%
5362 \IfFileExists{biditytufte-book.cfg}
5363   {\input{biditytufte-book.cfg}
5364   \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
5365   {}%
5366 }

```

7.31 `bidipoem.sty`

```

5367 \NeedsTeXFormat{LaTeX2e}
5368 \ProvidesPackage{bidipoem}%
5369 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5370

```



```

5371 % Usage:
5372 %
5373 % \Setversedim #1#2 % define the layout (within a group):
5374 % #1 = length of both half-verses
5375 % #2 = separation distance = length of a connection, if present
5376 % Variant:
5377 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5378 % #1 = length of first (=right) half-verse
5379 % #2 = length of second (=left) half-verse
5380 % #3 = separation distance = length of a connection, if present
5381 %
5382 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5383 % #1 = text of first (=right) half-verse
5384 % #2 = text of second (=left) half-verse
5385 % Variant:
5386 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5387 % #1 = text of first (=right) half-verse
5388 % #2 = text of connection
5389 % #3 = text of second (=left) half-verse
5390 %
5391 % Alternative (if preferred):
5392 %
5393 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5394
5395
5396 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5397
5398 % define the layout, verses will be centered
5399
5400 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5401 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5402
5403 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5404 \bidipoem@hvind \textwidth
5405 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5406 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5407 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5408
5409 \def \bidipoem@set@verseI [#1]{% optional parameter
5410 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5411
5412 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5413 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5414 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5415
5416 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5417 \ifdim Opt > \bidipoem@hvind %
5418 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5419 \else
5420 \noindent \hspace \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi

```



```

5421 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5422 \bidipoem@spreadbox \bidipoem@hvlens {#3}% second block
5423 \par }
5424
5425 % macro for two half verses
5426 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5427 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]%
5428 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5429 \bidipoem@half@verses@next}
5430
5431 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5432 \traditionalconnverses {#1}{#2}{#3}}
5433
5434
5435 {\catcode\^^M=\active % these lines must end with %
5436 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5437 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5438 {\catcode\^^M=\active % these lines must end with %
5439 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5440 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5441 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5442 \def\poemmarginsskip{1em plus 1fil minus 1em}
5443 \def\poemextrabaseskip{0\baselineskip}
5444 \def\poemskip{\medskip}
5445 \newcommand{\bidipoem@openbox}{\leavevmode
5446 \hbox to .77778em{%
5447 \hfil\vrule
5448 \vbox to .675em{\hrule width .6em\vfil\hrule}%
5449 \vrule\hfil}}
5450 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5451 \newdimen\versewidth
5452 \newtoks\bidipoem@p@ftn
5453 \def\poem@verse#1{%
5454 \ifdim\wd#1>\new@poem@width
5455 \xdef\new@poem@width{\the\wd#1}%
5456 \ifdim\new@poem@width>\poem@width
5457 \xdef\poem@width{\new@poem@width}%
5458 \global\let\poem@needrun\relax
5459 \fi
5460 \fi
5461 \hbox to \poem@width{\unhbox#1}%
5462 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5463 }
5464 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginsskip\relax}
5465 \def\poem@lineend{\nobreak\hskip\poemmarginsskip\hskip\@flushglue\vadjust{}}
5466 \def\poem@lineversesep{%
5467 \nobreak
5468 \hskip\z@ plus 1filll%
5469 \penalty600%
5470 \hskip\poemcolsepskip

```



```

5471 \hskip\z@ plus -2filll%
5472 \vadjust{}%
5473 \nobreak
5474 \hskip\z@ plus 1filll%
5475 }
5476 \def\poem@lineparsebegin{%
5477 \halign\bgroup
5478 \global\setbox\verse@i=\hbox{%
5479 \let\@footnotetext\bidipoem@p@ftntext%
5480 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5481 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5482 \let\@xfootnotenext\bidipoem@p@xftntext%
5483 \let\@xfootnote\bidipoem@p@xfootnote%
5484 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5485 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5486 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5487 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5488 \ignorespaces##\unskip}&&
5489 \global\setbox\verse@ii=\hbox{%
5490 \let\@footnotetext\bidipoem@p@ftntext%
5491 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5492 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5493 \let\@xfootnotenext\bidipoem@p@xftntext%
5494 \let\@xfootnote\bidipoem@p@xfootnote%
5495 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5496 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5497 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5498 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5499 \ignorespaces##\unskip}
5500 \cr
5501 }
5502 \def\poem@lineparseend{%
5503 \crcr\egroup
5504 \vskip-\baselineskip
5505 }
5506 \def\traditionalpoem@cr{%
5507 \cr\poem@line
5508 }
5509 \newbox\verse@i
5510 \newbox\verse@ii
5511 \newif\ifpoem@started
5512
5513 \def\poem@linef{%
5514 \poem@lineparseend
5515 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5516 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5517 \ifpoem@started
5518 \ifdim\wd\verse@ii>\z@\else
5519 \nopagebreak[3]
5520 \fi

```



```

5521 \leavevmode
5522 \poem@linebegin
5523 \poem@verse\verse@i
5524 \ifdim\wd\verse@ii>\z@
5525 \poem@lineversesep
5526 \poem@verse\verse@ii
5527 \fi
5528 \poem@lineend
5529 % \nopagebreak
5530 \par
5531 \vskip\poemextrabaseskip
5532 \fi
5533 \poem@lineparsebegin
5534 }
5535 \def\@traditionalpoem{%
5536 \stepcounter{poem@no}
5537 \ifnum\max@poem@no<\number\c@poem@no%
5538 \xdef\poem@width{\z@}%
5539 \else
5540 \xdef\poem@width{\poem@prop{poem@width}}%
5541 \fi
5542 \xdef\new@poem@width{\z@}%
5543 \global\versewidth=\poem@width

5544 \poemskip\par
5545 \begingroup
5546 \tabskip=\z@
5547 \parskip=\z@
5548 \parindent=\z@
5549 \parfillskip=\z@
5550 \rightskip=\z@
5551 \leftskip=\z@
5552 \widowpenalty=10000% No break between verses of the same line.
5553 \clubpenalty=10000% Same as above. Not really needed.
5554 \def\newblock{\hfil\poemblocksep\hfil\null}%
5555 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5556 \def\{\{\global\poem@startedtrue\traditionalpoem@cr}%
5557 \global\poem@startedfalse
5558 \csname poem@obeylines\endcsname
5559 \let\poem@obeylines\relax
5560 \poem@lineparsebegin
5561 }
5562 \def\@endtraditionalpoem{%
5563 \cr
5564 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5565 \noalign{%
5566 \skip0=\poemextrabaseskip
5567 \vskip-\skip0
5568 \vskip-\baselineskip
5569 }%

```



```

5570 \fi\fi
5571 \poem@lineparseend
5572 \endgroup
5573 \par
5574 \vskip\baselineskip
5575 \poemskip
5576 \if@noparlist \else
5577 \ifdim\lastskip >\z@
5578 \@tempskipa\lastskip \vskip -\lastskip
5579 \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
5580 \vskip\@tempskipa
5581 \fi
5582 \@endparenv
5583 \fi
5584 \ifdim\new@poem@width<\poem@width
5585 \global\let\poem@needrun\relax
5586 \fi
5587 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5588 \ifx\AtEndDocument\undefined\poem@finish\fi
5589 }
5590
5591
5592 \long\def\bidipoem@p@ftntext#1{%
5593 \edef\@tempx{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5594 \global\bidipoem@p@ftn\expandafter{\@tempx{#1}}}%
5595 \long\def\bidipoem@p@LTRftntext#1{%
5596 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5597 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5598 \long\def\bidipoem@p@RTLftntext#1{%
5599 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5600 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5601
5602 \long\def\bidipoem@p@xftntext[#1]#2{%
5603 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5604
5605 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5606 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5607
5608 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5609 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5610
5611 \def\bidipoem@p@xfootnote[#1]{%
5612 \begingroup
5613 \csname c@\@mpfn\endcsname #1\relax
5614 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5615 \endgroup
5616 \@footnotemark\bidipoem@p@xftntext[#1]}
5617
5618 \def\bidipoem@p@xLTRfootnote[#1]{%
5619 \begingroup

```



```

5620     \csname c@\mpfn\endcsname #1\relax
5621     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5622 \endgroup
5623 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5624
5625 \def\bidipoem@p@xRTLfootnote[#1]{%
5626 \begingroup
5627     \csname c@\mpfn\endcsname #1\relax
5628     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5629 \endgroup
5630 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5631
5632
5633
5634 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5635 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5636 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5637 \def\poem@finish{%
5638 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5639 \ifx\poem@needrun\relax
5640 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5641 \global\let\poem@needrun\undefined
5642 \fi
5643 }
5644 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5645 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5646 \ifx\max@poem@no\undefined
5647     \def\max@poem@no{0}%
5648 \fi
5649 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
5650 \newcommand{\poem@write@aux}[2]{%
5651     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5652     \@x
5653 }
5654 \def\@modernpoem{%
5655 \par
5656 \begingroup
5657 \parskip=\z@
5658 \parindent=\z@
5659 \def\[{ \@settab\@tabplus\ignorespaces}%
5660 \def\]{ \@tabminus\ignorespaces}%
5661 \def\newblock{\poemblocksep}%
5662 \let\newpoem@tabcr\@tabcr
5663 \def\modernpoem@par{% Redefine \par for possible \obeylines
5664 \ifpoem@started\else
5665     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5666     \@stopfield
5667     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5668     \@contfield
5669 \fi

```



```

5670 \fi
5671 \ifpoem@started\newpoem@tabcr\fi}%
5672 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5673 \global\poem@startedfalse
5674 \csname poem@obeylines\endcsname
5675 \let\poem@obeylines\relax
5676 \begin{tabbing}%
5677 }
5678 \def\@endmodernpoem{%
5679 \global\poem@startedfalse
5680 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5681 \@stopfield
5682 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5683 \@contfield
5684 \fi
5685 \ifpoem@started\else\let\@stopline\@stopfield\fi
5686 \end{tabbing}%
5687 \endgroup
5688 \par
5689 \if@nparlist \else
5690 \ifdim\lastskip >\z@
5691 \@tempskipa\lastskip \vskip -\lastskip
5692 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5693 \vskip\@tempskipa
5694 \fi
5695 \@endparenv
5696 \fi
5697 }
5698 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5699 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
5700 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5701 \gdef\@startfield{%
5702 \global\setbox\@curfield\hbox\bgroup%
5703 \let\@footnotetext\bidipoem@p@ftntext%
5704 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5705 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5706 \let\@xfootnotenext\bidipoem@p@xftntext%
5707 \let\@xfootnote\bidipoem@p@xfootnote%
5708 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5709 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5710 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5711 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5712 \color@begingroup}
5713 \gdef\@stopfield{%
5714 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5715 \gdef\@contfield{%
5716 \global\setbox\@curfield\hbox\bgroup%
5717 \let\@footnotetext\bidipoem@p@ftntext%
5718 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5719 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```




```

5720 \let\@xfootnotenext\bidipoem@p@xftntext%
5721 \let\@xfootnote\bidipoem@p@xfootnote%
5722 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5723 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5724 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5725 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5726 \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5727 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5728 \renewenvironment{theindex}{%
5729   \if@twocolumn
5730     \@restonecolfalse
5731   \else
5732     \@restonecoltrue
5733   \fi
5734   \columnseprule \z@
5735   \columnsep 35\p@
5736   \twocolumn[\@makeschapterhead{\indexname}]%
5737   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5738   \thispagestyle{plain}\parindent\z@
5739   \parskip\z@ \@plus .3\p@\relax
5740   \let\item\@idxitem
5741 }{%
5742   \if@restonecol\onecolumn\else\clearpage\fi}
5743 \renewcommand*{\head@style}{%
5744   \interlinepenalty \@M
5745   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5746   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
5747 \renewcommand*{\regtocline}[3]{%
5748   \ifnum #1>\c@tocdepth
5749   \else
5750     \vskip\z@\@plus.2\p@
5751     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5752     \if@RTL\rightskip\else\leftskip\fi\unitindent
5753     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5754     \parfillskip\z@
5755     \@tempdima\unitindent
5756     \parindent\z@
5757     \leavevmode
5758     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5759     \hskip 1em \nobreak{\slshape #3}\par
5760   }%
5761   \fi}
5762 \if@oldtoc
5763 \renewcommand*\l@part[2]{%
5764   \ifnum \c@tocdepth >-2\relax
5765     \addpenalty{-\@highpenalty}%
5766     \addvspace{2.25em \@plus\p@}%

```



```

5767 \begingroup
5768 \setlength\@tempdima{3em}%
5769 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5770 \parfillskip -\@pnumwidth
5771 {\leavevmode
5772 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5773 \nobreak
5774 \global\@nobreaktrue
5775 \everypar{\global\@nobreakfalse\everypar{}}%
5776 \endgroup
5777 \fi}
5778 \else
5779 \renewcommand*\l@part{%
5780 \ifnum \c@tocdepth >-2\relax
5781 \addpenalty{-\@highpenalty}%
5782 \addvspace{2.25em \@plus \p@}%
5783 \@regtocline{0}%
5784 \fi}
5785 \fi
5786 \if@oldtoc
5787 \renewcommand*\l@chapter[2]{%
5788 \addpenalty{-\@highpenalty}%
5789 \vskip 1.0em \@plus \p@
5790 \setlength\@tempdima{1.5em}%
5791 \begingroup
5792 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5793 \parfillskip -\@pnumwidth
5794 \leavevmode \bfseries
5795 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5796 \hskip -\if@RTL\rightskip\else\leftskip\fi
5797 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5798 \penalty\@highpenalty
5799 \endgroup}
5800 \else
5801 \renewcommand*\l@chapter{\@regtocline{0}}
5802 \fi
5803 \renewenvironment{abstract}{%
5804 \titlepage
5805 \null\vfil
5806 \section*{\SectFont \abstractname}
5807 \noindent\ignorespaces}
5808 {\par\vfil\null\endtitlepage}
5809 \renewenvironment{thebibliography}[1]
5810 {\chapter*\bibname}%
5811 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5812 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5813 \list{\@biblabel{\@arabic\c@enumiv}}%
5814 {\settowidth\labelwidth{\@biblabel{#1}}%
5815 \leftmargin\labelwidth
5816 \advance\leftmargin\labelsep

```



```

5817         \@openbib@code
5818         \usecounter{enumiv}%
5819         \let\p@enumiv\@empty
5820         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5821     \sloppy\clubpenalty4000\widowpenalty4000%
5822     \sfcode`. \. \@m}
5823     {\def\@noitemerr
5824     {\@latex@warning{Empty `thebibliography' environment}}}%
5825     \endlist}
5826 \renewcommand*\left@footnoterule{%
5827     \kern-3\p@
5828     \kern.5\baselineskip
5829     \hrule\@width\unitindent
5830     \kern.4\baselineskip
5831 }
5832 \renewcommand*\right@footnoterule{%
5833     \kern-3\p@
5834     \kern.5\baselineskip
5835     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5836     \kern.4\baselineskip}
5837 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5838 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5839 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5840 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5841 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5842 \renewcommand*\theequation{%
5843     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5844 \renewcommand*\thefigure{%
5845     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5846 \renewcommand*\thetable{%
5847     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5848 \renewcommand*\maketitle{%
5849     \begin{titlepage}%
5850         \let\footnotesize\small
5851         \let\right@footnoterule\relax
5852         \let\left@footnoterule\relax
5853         \let\textwidth@footnoterule\relax
5854         \let \footnote \thanks
5855         \long\def\@makefnmark##1{\parindent\z@
5856             \def\labelitemi{\textendash}\@revlabeltrue
5857             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5858     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5859     \if@compatibility\setcounter{page}{0}\fi
5860     \null\vfil
5861     \vskip 60\p@
5862     \begin{center}%
5863         \TitleFont
5864         {\LARGE \def\{\{\penalty -\@M}
5865         \if@allcaps
5866         \expandafter\uc@nothanks\@title\thanks\relax

```



```

5867     \else
5868         \@title
5869     \fi\par}%
5870 \vskip 3em%
5871 {\large
5872 \lineskip .75em \parindent\z@
5873 \begin{tabular}[t]{c}%
5874 \if@allcaps
5875 \expandafter\uc@authornothanks\@author\and\relax
5876 \else
5877 \@author
5878 \fi
5879 \end{tabular}\par}%
5880 \vskip 1.5em%
5881 {\large
5882 \if@allcaps
5883 \uppercase\expandafter{\@date}%
5884 \else
5885 \@date
5886 \fi\par}%
5887 \end{center}\par
5888 \@thanks
5889 \vfil\null
5890 \end{titlepage}%
5891 \setcounter{footnote}{0}%
5892 \global\let\thanks\relax
5893 \global\let\maketitle\relax
5894 \global\let\@thanks\@empty
5895 \global\let\@author\@empty
5896 \global\let\@title\@empty
5897 \global\let\@date\@empty
5898 \global\let\title\relax
5899 \global\let\author\relax
5900 \global\let\date\relax
5901 \global\let\and\relax
5902 }

```

7.33 boek-xetex-bidi.def

```

5903 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5904 \renewenvironment{theindex}{%
5905 \if@twocolumn
5906 \@restonecolfalse
5907 \else
5908 \@restonecoltrue
5909 \fi
5910 \columnseprule \z@
5911 \columnsep 35\p@
5912 \twocolumn[\@makeschapterhead{\indexname}]%
5913 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

5914 \thispagestyle{plain}\parindent\z@
5915 \parskip\z@ \@plus .3\p@\relax
5916 \let\item\@idxitem
5917 }{%
5918 \if@restonecol\onecolumn\else\clearpage\fi}
5919 \renewcommand*\head@style{%
5920   \interlinepenalty \@M
5921   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5922   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5923 \renewcommand*\@regtocline[3]{%
5924   \ifnum #1>\c@tocdepth
5925   \else
5926     \vskip\z@\@plus.2\p@
5927     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
5928     \if@RTL\rightskip\else\leftskip\fi\unitindent
5929     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5930     \parfillskip\z@
5931     \@tempdima\unitindent
5932     \parindent\z@
5933     \leavevmode
5934     \hbox{}}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5935     \hskip 1em \nobreak{\slshape #3}\par
5936   }%
5937   \fi}
5938 \if@oldtoc
5939 \renewcommand*\l@part[2]{%
5940   \ifnum \c@tocdepth >-2\relax
5941     \addpenalty{-\@highpenalty}%
5942     \addvspace{2.25em \@plus\p@}%
5943     \begingroup
5944       \setlength\@tempdima{3em}%
5945       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5946       \parfillskip -\@pnumwidth
5947       {\leavevmode
5948         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5949         \nobreak
5950         \global\@nobreaktrue
5951         \everypar{\global\@nobreakfalse\everypar{}}%
5952       \endgroup
5953     \fi}
5954 \else
5955 \renewcommand*\l@part{%
5956   \ifnum \c@tocdepth >-2\relax
5957     \addpenalty{-\@highpenalty}%
5958     \addvspace{2.25em \@plus\p@}%
5959     \@regtocline{0}%
5960   \fi}
5961 \fi
5962 \if@oldtoc
5963 \renewcommand*\l@chapter[2]{%

```



```

5964 \addpenalty{-\@highpenalty}%
5965 \vskip 1.0em \@plus\p@
5966 \setlength\@tempdima{1.5em}%
5967 \beginingroup
5968 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5969 \parfillskip -\@pnumwidth
5970 \leavevmode \bfseries
5971 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5972 \hskip -\if@RTL\rightskip\else\leftskip\fi
5973 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5974 \penalty\@highpenalty
5975 \endgroup}
5976 \else
5977 \renewcommand*\l@chapter{\@regtocline{0}}
5978 \fi
5979 \renewcommand*\left@footnoterule{%
5980 \kern-3\p@
5981 \kern.5\baselineskip
5982 \hrule\@width\unitindent
5983 \kern.4\baselineskip
5984 }
5985 \renewcommand*\right@footnoterule{%
5986 \kern-3\p@
5987 \kern.5\baselineskip
5988 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5989 \kern.4\baselineskip}
5990 \renewenvironment{abstract}{%
5991 \titlepage
5992 \null\vfil
5993 \section*{\SectFont \abstractname}
5994 \noindent\ignorespaces}
5995 {\par\vfil\null\endtitlepage}
5996 \renewenvironment{thebibliography}[1]
5997 {\chapter*{\bibname}%
5998 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5999 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6000 \list{\biblabel{\@arabic\c@enumiv}}%
6001 {\settowidth\labelwidth{\@biblabel{#1}}%
6002 \leftmargin\labelwidth
6003 \advance\leftmargin\labelsep
6004 \@openbib@code
6005 \usecounter{enumiv}%
6006 \let\p@enumiv\@empty
6007 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6008 \sloppy\clubpenalty4000\widowpenalty4000%
6009 \sfcode`\.\@m}
6010 {\def\@noitemerr
6011 {\@latex@warning{Empty `thebibliography' environment}}%
6012 \endlist}
6013 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}

```



```

6014 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
6015 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6016 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6017 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6018 \renewcommand*\theequation{%
6019   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6020 \renewcommand*\thefigure{%
6021   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6022 \renewcommand*\thetable{%
6023   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6024 \renewcommand*\maketitle{%
6025   \begin{titlepage}%
6026     \let\footnotesize\small
6027     \let\right@footnoterule\relax
6028     \let\left@footnoterule\relax
6029     \let\textwidth@footnoterule\relax
6030     \let \footnote \thanks
6031     \long\def\@makefnmark##1{\parindent\z@
6032       \def\labelitemi{\textendash}\@revlabeltrue
6033       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6034     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6035     \if@compatibility\setcounter{page}{0}\fi
6036     \null\vfil
6037     \vskip 60\p@
6038     \begin{center}%
6039       \TitleFont
6040       {\LARGE \def\{\{\penalty -\@M}
6041         \if@allcaps
6042           \expandafter\uc@nothanks\@title\thanks\relax
6043         \else
6044           \@title
6045         \fi\par}%
6046       \vskip 3em%
6047       {\large
6048         \lineskip .75em \parindent\z@
6049         \begin{tabular}[t]{c}%
6050           \if@allcaps
6051             \expandafter\uc@authornothanks\@author\and\relax
6052           \else
6053             \@author
6054           \fi
6055         \end{tabular}\par}%
6056       \vskip 1.5em%
6057       {\large
6058         \if@allcaps
6059           \uppercase\expandafter{\@date}%
6060         \else
6061           \@date
6062         \fi\par}%
6063     \end{center}\par

```



```

6064     \@thanks
6065     \vfil\null
6066 \end{titlepage}%
6067 \setcounter{footnote}{0}%
6068 \global\let\thanks\relax
6069 \global\let\maketitle\relax
6070 \global\let\@thanks\@empty
6071 \global\let\@author\@empty
6072 \global\let\@title\@empty
6073 \global\let\@date\@empty
6074 \global\let\title\relax
6075 \global\let\author\relax
6076 \global\let\date\relax
6077 \global\let\and\relax
6078 }

```

7.34 `bookest-xetex-bidi.def`

```

6079 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeTeX]
6080 \def\@makechapterhead#1{%
6081   \vspace*{20\p@}
6082   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6083     \ifnum \c@secnumdepth >\m@ne
6084       \if@mainmatter
6085         {\colorA\huge\scshape \@chapapp\space \thechapter}
6086         \par\nobreak
6087         \vskip 10\p@
6088       \fi
6089     \fi
6090     \interlinepenalty\@M
6091     {\colorB\hrule}
6092     \vskip 15\p@
6093     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6094       {\colorA\Huge \bfseries #1}\par\nobreak
6095     \if@RTL\end{flushleft}\else\end{flushright}\fi
6096     \vskip 5\p@
6097     {\colorB\hrule}
6098     \vskip 30\p@
6099   }}
6100 \def\@makeschapterhead#1{%
6101   \vspace*{20\p@}
6102   {\parindent \z@ \raggedright \normalfont
6103     {\colorB\hrule}
6104     \vskip 15\p@
6105     \begin{center}
6106       {\colorA\Huge \bfseries #1}\par\nobreak
6107     \end{center}
6108     \vskip 5\p@
6109     {\colorB\hrule}
6110     \vskip 30\p@

```




```
6111 }}
```

7.35 book-xetex-bidi.def

```
6112 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
6113 \renewenvironment{theindex}
6114     {\if@twocolumn
6115         \@restonecolfalse
6116         \else
6117         \@restonecoltrue
6118         \fi
6119         \columnseprule \z@
6120         \columnsep 35\p@
6121         \twocolumn[\@makeschapterhead{\indexname}]%
6122         \@mkboth{\MakeUppercase\indexname}%
6123                 {\MakeUppercase\indexname}%
6124         \thispagestyle{plain}\parindent\z@
6125         \parskip\z@ \@plus .3\p@\relax
6126         \let\item\@idxitem}
6127     {\if@restonecol\onecolumn\else\clearpage\fi}
6128 \@ifclassloaded{bookest}{-}{%
6129     \if@titlepage
6130     \renewcommand\maketitle{\begin{titlepage}%
6131     \let\footnotesize\small
6132     \let\right@footnoterule\relax
6133     \let\left@footnoterule\relax
6134     \let\textwidth@footnoterule\relax
6135     \let \footnote \thanks
6136     \let \LTRfootnote \LTRthanks
6137     \let \RTLfootnote \RTLthanks
6138     \null\vfil
6139     \vskip 60\p@
6140     \begin{center}%
6141     {\LARGE \@title \par}%
6142     \vskip 3em%
6143     {\large
6144     \lineskip .75em%
6145     \begin{tabular}[t]{c}%
6146     \@author
6147     \end{tabular}\par}%
6148     \vskip 1.5em%
6149     {\large \@date \par}%           % Set date in \large size.
6150     \end{center}\par
6151     \@thanks
6152     \vfil\null
6153     \end{titlepage}%
6154     \setcounter{footnote}{0}%
6155     \global\let\thanks\relax
6156     \global\let\LTRthanks\relax
6157     \global\let\RTLthanks\relax
```



```

6158 \global\let\maketitle\relax
6159 \global\let\@thanks\@empty
6160 \global\let\@author\@empty
6161 \global\let\@date\@empty
6162 \global\let\@title\@empty
6163 \global\let\title\relax
6164 \global\let\author\relax
6165 \global\let\date\relax
6166 \global\let\and\relax
6167 }
6168 \else
6169 \renewcommand\maketitle{\par
6170 \begingroup
6171 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6172 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6173 \long\def\@makefnmark##1{\parindent 1em\noindent
6174 \hb@xt@1.8em{%
6175 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6176 \if@twocolumn
6177 \ifnum \col@number=\@ne
6178 \@maketitle
6179 \else
6180 \twocolumn[\@maketitle]%
6181 \fi
6182 \else
6183 \newpage
6184 \global\@topnum\z@ % Prevents figures from going at top of page.
6185 \@maketitle
6186 \fi
6187 \thispagestyle{plain}\@thanks
6188 \endgroup
6189 \setcounter{footnote}{0}%
6190 \global\let\thanks\relax
6191 \global\let\LTRthanks\relax
6192 \global\let\RTLthanks\relax
6193 \global\let\maketitle\relax
6194 \global\let\@maketitle\relax
6195 \global\let\@thanks\@empty
6196 \global\let\@author\@empty
6197 \global\let\@date\@empty
6198 \global\let\@title\@empty
6199 \global\let\title\relax
6200 \global\let\author\relax
6201 \global\let\date\relax
6202 \global\let\and\relax
6203 }
6204 \def\@maketitle{%
6205 \newpage
6206 \null
6207 \vskip 2em%

```



```

6208 \begin{center}%
6209 \let \footnote \thanks
6210 \let \LTRfootnote \LTRthanks
6211 \let \RTLfootnote \RTLthanks
6212 {\LARGE \@title \par}%
6213 \vskip 1.5em%
6214 {\large
6215 \lineskip .5em%
6216 \begin{tabular}[t]{c}%
6217 \@author
6218 \end{tabular}\par}%
6219 \vskip 1em%
6220 {\large \@date}%
6221 \end{center}%
6222 \par
6223 \vskip 1.5em}
6224 \fi}
6225 \renewcommand*\l@part[2]{%
6226 \ifnum \c@tocdepth >-2\relax
6227 \addpenalty{-\@highpenalty}%
6228 \addvspace{2.25em \@plus\p@}%
6229 \setlength\@tempdima{3em}%
6230 \begingroup
6231 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6232 \parfillskip -\@pnumwidth
6233 {\leavevmode
6234 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6235 \nobreak
6236 \global\@nobreaktrue
6237 \everypar{\global\@nobreakfalse\everypar{}}%
6238 \endgroup
6239 \fi}
6240 \renewcommand*\l@chapter[2]{%
6241 \ifnum \c@tocdepth >\m@ne
6242 \addpenalty{-\@highpenalty}%
6243 \vskip 1.0em \@plus\p@
6244 \setlength\@tempdima{1.5em}%
6245 \begingroup
6246 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6247 \parfillskip -\@pnumwidth
6248 \leavevmode \bfseries
6249 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6250 \hskip -\if@RTL\rightskip\else\leftskip\fi
6251 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6252 \penalty\@highpenalty
6253 \endgroup
6254 \fi}
6255 \renewcommand\left@footnoterule{%
6256 \kern-3\p@
6257 \hrule\@width.4\columnwidth

```



```

6258 \kern2.6\p@}
6259 \renewcommand\right@footnoterule{%
6260 \kern-3\p@
6261 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6262 \kern2.6\p@}
6263 \renewcommand\theequation
6264 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6265 \renewcommand \thefigure
6266 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6267 \renewcommand \thetable
6268 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6269 \renewcommand \thechapter {\@arabic\c@chapter}
6270 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6271 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6272 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6273 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6274 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6275 \def\@makechapterhead#1{%
6276 \vspace*{50\p@}%
6277 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6278 \ifnum \c@secnumdepth >\m@ne
6279 \if@mainmatter
6280 \huge\bfseries \@chapapp\space \thechapter
6281 \par\nobreak
6282 \vskip 20\p@
6283 \fi
6284 \fi
6285 \interlinepenalty\@M
6286 \Huge \bfseries #1\par\nobreak
6287 \vskip 40\p@
6288 }}
6289 \def\@makeschapterhead#1{%
6290 \vspace*{50\p@}%
6291 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6292 \normalfont
6293 \interlinepenalty\@M
6294 \Huge \bfseries #1\par\nobreak
6295 \vskip 40\p@
6296 }}
6297 \renewcommand\backmatter{%
6298 \if@openright
6299 \cleardoublepage
6300 \else
6301 \clearpage
6302 \fi
6303 \@mainmatterfalse}
6304 \renewenvironment{thebibliography}[1]
6305 {\chapter*{\bibname}%
6306 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6307 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

6308 \list{\@biblabel{\@arabic\c@enumiv}}%
6309     {\settowidth\labelwidth{\@biblabel{#1}}%
6310      \leftmargin\labelwidth
6311      \advance\leftmargin\labelsep
6312      \@openbib@code
6313      \usecounter{enumiv}%
6314      \let\p@enumiv\@empty
6315      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6316 \sloppy
6317 \clubpenalty4000
6318 \@clubpenalty \clubpenalty
6319 \widowpenalty4000%
6320 \sfcode`.\@m}
6321 {\def\@noitemerr
6322  {\@latex@warning{Empty `thebibliography' environment}}%
6323 \endlist}

```

7.36 breqn-xetex-bidi.def

```

6324 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6325 \def\@dmath[#1]{\ifRTL\@RTLfalse\fi%
6326 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6327 \if@noskipsec \leavevmode \fi
6328 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6329 \if\eq@group\else\eq@prelim\fi
6330 \setkeys{breqn}{#1}%
6331 \the\eqstyle
6332 \eq@setnumber
6333 \begingroup
6334 \eq@setup@a
6335 \eq@startup
6336 }
6337 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
6338 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6339 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6340 \global\let\GRP@label\@empty
6341 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6342 \global\grp@linewidth\z@\global\grp@wdNum\z@
6343 \global\let\grp@eqs@numbered\@False
6344 \global\let\grp@aligned\@True
6345 \global\let\grp@shiftnumber\@False
6346 \eq@prelim
6347 \setkeys{breqn}{#1}%
6348 \if\grp@hasNumber \grp@setnumber \fi
6349 }
6350 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
6351 \let\display@setup\dseries@display@setup
6352 % Question: should this be the default for dseries???
6353 \global\eq@wdCond\z@
6354 \@dmath[layout={M},#1]%

```



```

6355 \mathsurround\z@\@math \penalty\@Mi
6356 \let\endmath\ends@math
6357 \def\premath{%
6358   \ifdim\lastskip<.3em \unskip
6359   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6360 }%
6361 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6362 \ignorespaces
6363 }
6364 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6365 \renewenvironment{dsuspend}{%
6366   \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6367   \parshape 1 \displayindent \displaywidth\relax
6368   \hsize=\columnwidth \noindent\ignorespaces
6369 }{%
6370   \par\egroup
6371   \global\setbox\GRP@box\vbox{%
6372     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
6373     \unvbox\GRP@box
6374   }%
6375   \global\GRP@queue\exp{\the\GRP@queue
6376     \@elt{\let\eq@isIntertext\@True}}%
6377   }%
6378 }

```

7.37 calx-xetex-bidi.def

```

6379 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX et
6380 \renewenvironment{calstable}[1][c]{%
6381   \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6382   \if l#1%
6383     \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6384   \else\if r#1%
6385     \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6386   \else\if c#1%
6387     \leftskip\fill \rightskip\fill
6388   \fi\fi\fi
6389 \let\cals@thead@tokens=\relax
6390 \let\cals@tfoot@tokens=\relax
6391 \let\cals@tbody@tokens=\relax
6392 \cals@tfoot@height=0pt \relax
6393 \let\cals@last@context=n%
6394 \let\cals@current@context=b%
6395 \parindent=0pt %
6396 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6397 %% Alignment inside is independent on center/flushright outside
6398 \parfillskip=0pt plus1fil\relax
6399 \let\cals@borderL=\relax
6400 \let\cals@borderR=\relax
6401 \let\cals@borderT=\relax

```



```

6402 \let\cals@borderB=\relax
6403 }{% End of the table
6404 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6405
6406 \renewcommand\alignL{%
6407 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6408 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6409
6410 \renewcommand\alignR{%
6411 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6412 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.38 caption-xetex-bidi.def

```

6413 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6414 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6415 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6416 \renewcommand*\caption@par{%
6417 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.40 colortbl-xetex-bidi.def

```

6418 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6419 \def\CT@setup{%
6420 \@tempdimb\col@sep
6421 \@tempdimc\col@sep
6422 \def\CT@color{%
6423 \global\let\CT@do@color\CT@@do@color
6424 \bidicolor}}
6425 \def\@classz{\@classx
6426 \@tempcnta \count@
6427 \prepnext@tok
6428 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6429 \@addtopreamble{\if@RTLtab\beginL\fi%
6430 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6431 \ifcase \@cnum
6432 \hskip\stretch{.5}\kern\z@
6433 \d@llarbegin
6434 \insert@column
6435 \d@llarend\hskip\stretch{.5}\or
6436 \d@llarbegin \insert@column \d@llarend \hfill \or
6437 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6438 $\vcenter
6439 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6440 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6441 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6442 \fi
6443 \if@RTLtab\endR\fi\egroup\egroup
6444 \begingroup

```



```

6445 \CT@setup
6446 \CT@column@color
6447 \CT@row@color
6448 \CT@cell@color
6449 \CT@do@color
6450 \endgroup
6451     \@tempdima\ht\z@
6452     \advance\@tempdima\minrowclearance
6453     \vrule\@height\@tempdima\@width\z@
6454     \unhbox\z@\if@RTLtab\endL\fi}%
6455 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

6456 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6457 \long\def\color@b@x#1#2#3{%
6458 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6459 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6460 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6461 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6462 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6463 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6464 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6465 \DeclareRobustCommand\color{%
6466 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
6467 \def\@declaredcolor#1{%
6468 \ifundefined{\string\color @#1}%
6469 {\c@lor@error{`#1'}}%
6470 {\expandafter\let\expandafter\current@color
6471 \csname\string\color @#1\endcsname
6472 \set@color}%
6473 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6474 \def\@undeclaredcolor[#1]#2{%
6475 \ifundefined{color@#1}%
6476 {\c@lor@error{model `#1'}}%
6477 {\csname color@#1\endcsname\current@color{#2}%
6478 \set@color}%
6479 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6480 \DeclareRobustCommand\bidicolor{%
6481 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
6482 \def\@bidiundeclaredcolor[#1]#2{%
6483 \ifundefined{color@#1}%
6484 {\c@lor@error{model `#1'}}%
6485 {\csname color@#1\endcsname\current@color{#2}%
6486 \set@color}%
6487 \ignorespaces}
6488 \def\@bidideclaredcolor#1{%
6489 \ifundefined{\string\color @#1}%
6490 {\c@lor@error{`#1'}}%
6491 {\expandafter\let\expandafter\current@color

```




```

6492     \csname\string\color @#1\endcsname
6493     \set@color}%
6494 \ignorespaces}
6495 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6496 \def\color@fbox#1#2#3{%
6497   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6498 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode}

```

7.42 combine-xetex-bidi.def

```

6499 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
6500 \renewcommand{\c@ll@chapsecii}[2]{%
6501   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6502   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6503   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6504 }
6505 \renewcommand{\c@ll@chapseci}{%
6506   \setlength\@tempdima{0em}%
6507   \begingroup
6508     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6509     \parfillskip -\@pnumwidth
6510     \leavevmode
6511 }
6512 \renewenvironment{tocindent}[1]{%
6513   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.43 crop-xetex-bidi.def

```

6514 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6515 \renewcommand*\CROP@ulc{%
6516   \if@RTLmain%
6517     \begin{picture}(0,0)
6518       \unitlength\p@\thinlines
6519       \put(-40,0){\circle{10}}
6520       \put(-30,-5){\line(0,1){10}}
6521       \put(-35,0){\line(1,0){30}}
6522       \put(-10,30){\circle{10}}
6523       \put(-5,30){\line(1,0){10}}
6524       \put(0,35){\line(0,-1){30}}
6525     \end{picture}%
6526   \else%
6527     \begin{picture}(0,0)
6528       \unitlength\p@\thinlines
6529       \put(-30,0){\circle{10}}
6530       \put(-30,-5){\line(0,1){10}}
6531       \put(-35,0){\line(1,0){30}}
6532       \put(0,30){\circle{10}}
6533       \put(-5,30){\line(1,0){10}}
6534       \put(0,35){\line(0,-1){30}}
6535     \end{picture}%
6536   \fi%

```



```

6537 }
6538 \renewcommand*\CROP@ourc{%
6539   \if@RTLmain%
6540     \begin{picture}(0,0)
6541       \unitlength\p@\thinlines
6542       \put(20,0){\circle{10}}
6543       \put(30,-5){\line(0,1){10}}
6544       \put(35,0){\line(-1,0){30}}
6545       \put(-10,30){\circle{10}}
6546       \put(-5,30){\line(1,0){10}}
6547       \put(0,35){\line(0,-1){30}}
6548     \end{picture}%
6549   \else%
6550     \begin{picture}(0,0)
6551       \unitlength\p@\thinlines
6552       \put(30,0){\circle{10}}
6553       \put(30,-5){\line(0,1){10}}
6554       \put(35,0){\line(-1,0){30}}
6555       \put(0,30){\circle{10}}
6556       \put(-5,30){\line(1,0){10}}
6557       \put(0,35){\line(0,-1){30}}
6558     \end{picture}%
6559   \fi%
6560 }
6561 \renewcommand*\CROP@llc{%
6562   \if@RTLmain%
6563     \begin{picture}(0,0)
6564       \unitlength\p@\thinlines
6565       \put(-40,0){\circle{10}}
6566       \put(-30,-5){\line(0,1){10}}
6567       \put(-35,0){\line(1,0){30}}
6568       \put(-10,-30){\circle{10}}
6569       \put(-5,-30){\line(1,0){10}}
6570       \put(0,-35){\line(0,1){30}}
6571     \end{picture}%
6572   \else%
6573     \begin{picture}(0,0)
6574       \unitlength\p@\thinlines
6575       \put(-30,0){\circle{10}}
6576       \put(-30,-5){\line(0,1){10}}
6577       \put(-35,0){\line(1,0){30}}
6578       \put(0,-30){\circle{10}}
6579       \put(-5,-30){\line(1,0){10}}
6580       \put(0,-35){\line(0,1){30}}
6581     \end{picture}%
6582   \fi%
6583 }
6584 \renewcommand*\CROP@lrc{%
6585   \if@RTLmain%
6586     \begin{picture}(0,0)

```



```

6587     \unitlength\p@\thinlines
6588     \put(20,0){\circle{10}}
6589     \put(30,-5){\line(0,1){10}}
6590     \put(35,0){\line(-1,0){30}}
6591     \put(-10,-30){\circle{10}}
6592     \put(-5,-30){\line(1,0){10}}
6593     \put(0,-35){\line(0,1){30}}
6594 \end{picture}%
6595 \else%
6596 \begin{picture}(0,0)
6597     \unitlength\p@\thinlines
6598     \put(30,0){\circle{10}}
6599     \put(30,-5){\line(0,1){10}}
6600     \put(35,0){\line(-1,0){30}}
6601     \put(0,-30){\circle{10}}
6602     \put(-5,-30){\line(1,0){10}}
6603     \put(0,-35){\line(0,1){30}}
6604 \end{picture}%
6605 \fi%
6606 }
6607 \ifpackagewith{crop}{cam}{%
6608 \CROP@execopt{cam}%
6609 }{ }

```

7.44 cutwin-xetex-bidi.def

```

6610 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6611 \renewcommand*{\c@twcompctr}[2]{%
6612   \def\c@twfirst{1}
6613   \loop\advance\c@twwinlines\m@ne
6614   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6615   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6616   \c@twprune{\c@twslicea}{\c@twlftside}%
6617   \c@twprune{\c@twsliceb}{\c@twrtside}%
6618   \ifnum\c@twfirst=\@ne
6619     \setbox#2=\vbox{\unvbox#2\hbox
6620       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\pageinwindow\hfil\if@RTL\box\c@twsl
6621     \else
6622     \setbox#2=\vbox{\unvbox#2\hbox
6623       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\if@RTL\box\c@twslicea\else\box
6624     \fi
6625   \def\c@twfirst{2}
6626   \ifnum\c@twwinlines>\z@\repeat}
6627 \renewcommand*{\c@twcompoddctr}[2]{%
6628   \def\c@twrounds{1}
6629   \def\c@twfirst{1}
6630   \@for\c@twlspec:=\c@twb\do{%
6631     \ifnum\c@twrounds=1
6632       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6633       \c@twprune{\c@twslicea}{\c@twlspec}%

```



```

6634     \def\c@twrounds{2}
6635 \else
6636     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6637     \c@twprune{\c@twsliceb}{\c@twlspec}%
6638     \ifnum\c@twfirst=1
6639         \setbox#2=\vbox{\unvbox#2\hbox
6640 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\picinwindow\hfil\if@RTL\box\
6641     \def\c@twfirst{2}
6642     \else
6643         \setbox#2=\vbox{\unvbox#2\hbox
6644 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\if@RTL\box\c@twslicea\else\
6645     \fi
6646     \def\c@twrounds{1}
6647 \fi}}

```

7.45 cuted-xetex-bidi.def

```

6648 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX]
6649 \def\RTL@outputdblcol{%
6650 \if@firstcolumn \global\@firstcolumnfalse
6651 \global\setbox\@leftcolumn \box\@outputbox
6652 \else
6653 \global\@firstcolumntrue
6654 \setbox\@outputbox \vbox {\hbox to\textwidth {%
6655 \hskip \columnwidth
6656 \hfil \vrule width\columnseprule \hfil
6657 \hbox to\columnwidth {\box\@leftcolumn \hss}%
6658 \hskip -\textwidth
6659 \hbox to\columnwidth{\box\@outputbox \hss}%
6660 \hskip \columnsep
6661 \hskip \columnwidth }}%
6662 \ifvoid\hold@viper
6663 \else
6664     \setbox\@outputbox \vbox to\textheight{%
6665                                     \box\hold@viper
6666                                     \box\@outputbox
6667                                     \vss
6668                                     }%
6669 \fi
6670 \@combinedblfloats \@outputpage
6671 \begingroup \@dblfloatplacement \@startdblcolumn
6672 \@whilesw\if@fcolmade \fi
6673 {\@outputpage \@startdblcolumn }%
6674 \ifvoid\@viper
6675 \else
6676     \global\setbox\@viper\vbox{%
6677                                     \vskip-\stripsep
6678                                     \unvbox\@viper
6679                                     }%
6680 \@viperoutput

```



```

6681     \fi
6682 \endgroup
6683 \fi}
6684 \def\LTR@outputdblcol{%
6685   \if@firstcolumn
6686     \global \@firstcolumnfalse
6687     \global \setbox\@leftcolumn \box\@outputbox
6688   \else
6689     \global \@firstcolumntrue
6690     \setbox\@outputbox \vbox {%
6691       \hb@xt@\textwidth {%
6692         \hb@xt@\columnwidth {%
6693           \box\@leftcolumn \hss}%
6694         \hfil
6695         \vrule \@width\columnseprule
6696         \hfil
6697         \hb@xt@\columnwidth {%
6698           \box\@outputbox \hss}%
6699         }%
6700       }%
6701   \ifvoid\hold@viper
6702   \else
6703     \setbox\@outputbox \vbox to\textheight{%
6704       \box\hold@viper
6705       \box\@outputbox
6706       \vss
6707     }%
6708   \fi
6709   \@combinedblfloats
6710   \@outputpage
6711   \beginingroup
6712     \@dblfloatplacement
6713     \@startdblcolumn
6714     \@whiles\if@fcolmade \fi
6715     {\@outputpage
6716      \@startdblcolumn}%
6717   \ifvoid@viper
6718   \else
6719     \global\setbox@viper\vbox{%
6720       \vskip-\stripsep
6721       \unvbox@viper
6722     }%
6723     \@viperoutput
6724   \fi
6725 \endgroup
6726 \fi
6727 }
6728 \def \@addviper {%
6729   \if@firstcolumn
6730     \@insertfalse

```



```

6731 \@reqcolroom .5\@pageht
6732 \ht@viper\@reqcolroom
6733 \advance \@reqcolroom \ht@viper
6734 \advance \@reqcolroom \stripsep
6735 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6736 %%
6737 \@tempdimb \ht@viper
6738 \loop
6739 \setbox\v@aaa\copy\@holdpg
6740 \setbox\v@ccc\vbox to\@tempdimb{%
6741     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6742 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6743 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6744 \loop
6745 \setbox\v@aaa\copy\@holdpg
6746 \setbox\v@ccc\vbox to\@tempdimb{%
6747     \vsplit\v@aaa to\@tempdimb\vss}%
6748 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6749 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6750 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6751 \setbox\v@ccc\vbox to\@tempdimb{%
6752     \vsplit\@holdpg to\@tempdimb\vss}%
6753 %%
6754 \setbox\@tempboxa \vbox {%
6755     \hb@xt@\textwidth {%
6756         \if@RTLmain%
6757         \hskip \columnwidth
6758         \hfil \vrule width\columnseprule \hfil
6759         \hb@xt@\columnwidth {%
6760             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6761         \hskip -\textwidth
6762         \hb@xt@\columnwidth {%
6763             \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6764         \hskip \columnsep
6765         \hskip \columnwidth
6766         \else%
6767         \hb@xt@\columnwidth {%
6768             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6769             \hfil
6770             \vrule \@width\columnseprule
6771             \hfil
6772             \hb@xt@\columnwidth {%
6773                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6774                 \fi}%
6775         }%
6776 \ifvoid\hold@viper
6777     \global\setbox\hold@viper \vbox {%
6778         \unvbox\@tempboxa
6779         \penalty\interlinepenalty
6780         \vskip\stripsep

```



```

6781         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6782         \outputpenalty \z@
6783             }%
6784     \else
6785         \global\setbox\hold@viper \vbox {%
6786             \unvbox\hold@viper
6787             \unvbox\@tempboxa
6788             \penalty\interlinepenalty
6789             \vskip\stripsep
6790             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6791             \outputpenalty \z@
6792             }%
6793     \fi
6794     \ifdim \@colroom>\@reqcolroom
6795         \global\setbox\hold@viper \vbox {%
6796             \unvbox\hold@viper
6797             \box\@viper
6798             \penalty\interlinepenalty
6799             \vskip\stripsep
6800             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6801             \outputpenalty \z@
6802             }%
6803         \@inserttrue
6804         \advance\@tempdima by-\ht\hold@viper
6805         \global \advance \@colht \@tempdima
6806         \ifdim \@colht<2.5\baselineskip
6807             \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6808                 too tall on page \thepage (1 stulpelis)}%
6809             \@emptycol
6810             \if@firstcolumn
6811             \else
6812                 \@emptycol
6813             \fi
6814             \global\@lastvipertrue
6815         \else
6816             \global \vsize \@colht
6817             \global \@colroom \@colht
6818             \check@floats
6819             \ifdim\@tempdima>\z@
6820                 \global\advance\@colroom by-\@tempdima
6821             \fi
6822             \ifdim\@colroom<\z@
6823                 \global\@colroom 1pt
6824                 \ifdim\@tempdima>\@colht
6825                     \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6826                         netelpa lape \thepage (1 stulpelis)}%
6827                 \fi
6828                 \@emptycol
6829                 \if@firstcolumn
6830                 \else

```



```

6831             \@emptycol
6832             \fi
6833             \global\@lastvipertrue
6834         \fi
6835     \fi
6836 \fi
6837 \else
6838     \@insertfalse
6839     \@reqcolroom\@colht
6840     \advance\@reqcolroom \@pageht
6841     \ht@viper.5\@reqcolroom
6842     \@reqcolroom\ht@viper
6843     \advance \@reqcolroom \ht@viper
6844     \advance \@reqcolroom \stripsep
6845     \if@flushend@auto@baselineskip
6846         \setbox\@tempboxa\ vbox{\unvcopy\@leftcolumn
6847             \global\lastskip@d\lastskip
6848             \global\lastskip@b\lastskip
6849         \loop
6850             \global\lastskip@a\lastskip@b
6851             \unskip\unpenalty
6852             \global\lastskip@b\lastskip
6853             \global\advance\lastskip@d by\lastskip
6854             \ifdim\lastskip@b=-\lastskip@a
6855                 \global\advance\lastskip@d by-\lastskip
6856             \else
6857                 \repeat
6858             \ifdim\lastskip@b=-\lastskip@a
6859                 \ifdim\lastskip@b=\z@
6860                     \setbox\lastbox@a\lastbox
6861                     \global\advance\lastskip@d by\ht\lastbox@a
6862                     \global\advance\lastskip@d by\lastskip
6863                     \unskip\unpenalty
6864                     \setbox\lastbox@a\lastbox
6865                     \global\advance\lastskip@d by\dp\lastbox@a
6866                 \else
6867                     \global\lastskip@d\lastskip
6868                     \global\advance\lastskip@d by\topskip
6869                 \fi
6870             \fi
6871             \global\advance\lastskip@d by-\topskip
6872         }%
6873     \ifdim\ht\@holdpg>\@colht
6874     \global\setbox\@holdpg\ vbox{\unvbox\@leftcolumn\unskip\unpenalty
6875         \par\eject
6876         \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6877     }%
6878 \else
6879     \global\setbox\@holdpg\ vbox{%
6880         \unvbox\@leftcolumn\unskip\unpenalty

```




```

6881         \vskip\lastskip@d
6882         \the\At@ViperColsBreak
6883         \unvbox\@holdpg
6884         \unskip
6885     }%
6886 \fi
6887 \else
6888     \global\setbox\@holdpg\vbox{%
6889         \unvbox\@leftcolumn
6890         \setbox\@tempboxa\lastbox
6891         \on@stripcols@break
6892         \the\At@ViperColsBreak
6893         \unvbox\@holdpg
6894     }%
6895 \fi
6896 \global\At@ViperColsBreak{}%
6897 \ht@viper .5\ht\@holdpg
6898 \ifdim \ht@viper>\@colht
6899     \ht@viper \@colht
6900 \fi
6901 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6902 %%
6903 \@tempdimb \ht@viper
6904 \loop
6905     \setbox\v@aaa\copy\@holdpg
6906     \setbox\v@ccc\vbox to\@tempdimb{%
6907         \vsplit\v@aaa to\@tempdimb
6908         \vss
6909         \vsplit\v@aaa to\@tempdimb
6910     }%
6911     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6912 \ifvoid\v@aaa
6913 \else
6914     \advance\@tempdimb 1\p@
6915 \repeat
6916 \loop
6917     \setbox\v@aaa\copy\@holdpg
6918     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6919     \wlog{(2)Left:\the\ht\v@ccc\space
6920         Right:\the\ht\v@aaa\space
6921         Output:\the\@tempdimb
6922     }%
6923 \ifdim\ht\v@ccc<\ht\v@aaa
6924     \@tempdimb \the\ht\v@aaa
6925 \repeat
6926 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6927         ^^JRight:\the\ht\v@aaa
6928         ^^JOutput:\the\@tempdimb
6929     }%
6930 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%

```



```

6931 \setbox\@tempboxa\vbox{%
6932   \hb@xt@\textwidth {%
6933     \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6934     \hfil
6935     \vrule \@width\columnseprule
6936     \hfil
6937     \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6938     }%
6939   }%
6940 \ifvoid\hold@viper
6941   \global\setbox\hold@viper \vbox {%
6942     \unvbox\@tempboxa
6943     \penalty\interlinepenalty
6944     \vskip\stripsep
6945     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6946     \outputpenalty \z@
6947     }%
6948 \else
6949   \global\setbox\hold@viper \vbox {%
6950     \unvbox\hold@viper
6951     \unvbox\@tempboxa
6952     \penalty\interlinepenalty
6953     \vskip\stripsep
6954     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6955     \outputpenalty \z@
6956     }%
6957 \fi
6958 \ifdim \@colht>\@reqcolroom
6959   \global\setbox\hold@viper \vbox {%
6960     \unvbox\hold@viper
6961     \box\@viper
6962     \penalty\interlinepenalty
6963     \vskip\stripsep
6964     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6965     \outputpenalty \z@
6966     }%
6967 \inserttrue
6968 \global\@firstcolumntrue
6969 \advance\@tempdima by-\ht\hold@viper
6970 \global \advance \@colht \@tempdima
6971 \ifdim \@colht<2.5\baselineskip
6972 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
6973   too tall on page \thepage (2 stulpelis)}%
6974   \@emptycol
6975   \if@firstcolumn
6976   \else
6977     \@emptycol
6978   \fi
6979   \global\@lastvipertrue
6980 \else

```



```

6981         \global \vsize \@colht
6982         \global \@colroom \@colht
6983         \check@floats
6984         \ifdim\@tempdima>\z@
6985             \global\advance\@colroom by-\@tempdima
6986         \fi
6987         \ifdim\@colroom<\z@
6988             \global\@colroom 1pt
6989             \ifdim\@tempdima>\@colht
6990                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6991                     netelpla lape \thepage (2 stulpelis)}%
6992             \fi
6993             \@emptycol
6994             \if@firstcolumn
6995                 \else
6996                     \@emptycol
6997             \fi
6998             \global\@lastvipertrue
6999         \fi
7000     \fi
7001 \fi
7002 \fi
7003 \if@insert
7004 \else
7005     \advance\@tempdima by-\ht\hold@viper
7006     \global \advance \@colht \@tempdima
7007     \global\setbox\hold@viper \vbox {%
7008                                     \unvbox\hold@viper
7009                                     \csname viper@top@hook\endcsname
7010                                     \vsplit\@viper to \@colht
7011                                     \vss
7012                                     }%
7013     \vbox{}%
7014     \global\@firstcolumnfalse
7015     \newpage
7016 \fi
7017 }

```

7.46 cvthemebidicasual.sty

```

7018 \NeedsTeXFormat{LaTeX2e}
7019 \ProvidesPackage{cvthemebidicasual}
7020 \DeclareOption{blue}{\}
7021 \newif\if@colourorange\@colourorangefalse
7022 \DeclareOption{orange}{\@colourorangefalse}
7023 \newif\if@colourgreen\@colourgreenfalse
7024 \DeclareOption{green}{\@colourgreentrue}
7025 \newif\if@colourred\@colourredfalse
7026 \DeclareOption{red}{\@colourredtrue}
7027 \newif\if@colourgrey\@colourgreynfalse

```



```

7028 \DeclareOption{grey}{\@colourgreytrue}
7029 \DeclareOption*{
7030   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7031 \ExecuteOptions{colour}
7032 \ProcessOptions\relax
7033 \renewcommand*{\listitemsymbol}{\textbullet}
7034 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7035 \familynamecolour{808080}
7036 \firstnamecolour{A9A9A9}
7037 \quotecolour{696969}
7038 \addresscolour{696969}
7039 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7040 \sectiontitlecolour{1E90FF}
7041 \subsectioncolour{4682B4}
7042 \definecolor{rulecolour}{gray}{0.6}
7043 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7044 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7045 \if@colourorange
7046   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7047   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7048   \sectiontitlecolour{FF8C00}
7049   \subsectioncolour{FF8C00}
7050   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7051   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7052 \if@colourgreen
7053   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7054   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7055   \sectiontitlecolour{008000}
7056   \subsectioncolour{008000}
7057   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7058   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7059 \if@colourred
7060   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7061   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7062   \sectiontitlecolour{FF0000}
7063   \subsectioncolour{FF0000}
7064   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7065   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7066 \if@colourgrey
7067   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7068   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7069   \sectiontitlecolour{808080}
7070   \subsectioncolour{808080}
7071   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7072   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7073 \renewcommand*{\ttdefault}{pcr}
7074 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7075 \renewcommand*{\familynamefont}{\firstnamefont}
7076 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7077 \renewcommand*{\quotefont}{\large\slshape}

```



```

7078 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7079 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7080 \renewcommand*{\maketitle}{%
7081   {%
7082     \ifthenelse{\isundefined{\@photo}}{%
7083       {%}
7084       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7085       \hfill%
7086       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7087       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7088     \ifthenelse{\isundefined{\@quote}}{%
7089       {%}
7090       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7091     ]}%
7092 \newif\if@firstfooterelement\@firstfooterelementtrue
7093 \providecommand*{\footersymbol}{%}
7094 \renewcommand*{\footersymbol}{%}
7095 \if@firstfooterelement%
7096 \else%
7097   { ~-\color{footersymbolcolor}\textbullet~~}\fi}
7098 \providecommand*{\makefooter}{%}
7099 \renewcommand*{\makefooter}{%
7100   \fancypagestyle{plain}{%
7101     \fancyfoot[c]{%
7102       \parbox{0.8\textwidth}{%
7103         \centering%
7104         \addressfont\@addresscolour%
7105         \ifthenelse{\isundefined{\@address}}{~}{%
7106           \addresssymbol~\@address\%
7107           \@firstfooterelementfalse}%
7108         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7109         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7110         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
7111         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\emallink{\@email}\@first
7112         \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfals
7113       }%
7114     \pagestyle{plain}}
7115 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty

```

7116 \NeedsTeXFormat{LaTeX2e}
7117 \ProvidesPackage{cvthemebidiclassic}
7118 \DeclareOption{blue}{%}
7119 \newif\if@colourorange\@colourorangefalse
7120 \DeclareOption{orange}{\@colourorange>true}
7121 \newif\if@colourgreen\@colourgreenfalse
7122 \DeclareOption{green}{\@colourgreentrue}
7123 \newif\if@colourred\@colourredfalse
7124 \DeclareOption{red}{\@colourredtrue}

```



```

7125 \newif\if@colourgrey\@colourgreyfalse
7126 \DeclareOption{grey}{\@colourgreytrue}
7127 \DeclareOption*{
7128   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7129 \ExecuteOptions{colour}
7130 \ProcessOptions\relax
7131 \renewcommand*{\listitemsymbol}{\textbullet}
7132 \firstnamecolour{}
7133 \familynamecolour{}
7134 \titlecolour{808080}
7135 \quotecolour{696969}
7136 \addresscolour{696969}
7137 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7138 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7139 \sectiontitlecolour{1E90FF}
7140 \subsectioncolour{4682B4}
7141 \if@colourorange
7142   \addresscolour{FF8C00}
7143   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7144   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7145   \sectiontitlecolour{FF8C00}
7146   \subsectioncolour{FF8C00}\fi
7147 \if@colourgreen
7148   \addresscolour{008000}
7149   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7150   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7151   \sectiontitlecolour{008000}
7152   \subsectioncolour{008000}\fi
7153 \if@colourred
7154   \addresscolour{FF0000}
7155   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7156   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7157   \sectiontitlecolour{FF0000}
7158   \subsectioncolour{FF0000}\fi
7159 \if@colourgrey
7160   \addresscolour{808080}
7161   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7162   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7163   \sectiontitlecolour{808080}
7164   \subsectioncolour{808080}\fi
7165 \renewcommand*{\ttdefault}{pcr}
7166 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7167 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7168 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7169 \renewcommand*{\familynamefont}{\firstnamefont}
7170 \renewcommand*{\quotefont}{\large\slshape}
7171 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7172 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7173 \newlength{\maketitlenamemaxwidth}
7174 \setlength{\maketitlenamemaxwidth}{.525\textwidth}

```



```

7175 \newlength{\maketitlefullnamewidth}
7176 \settoheight{\maketitlefullnamewidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7177 \newlength{\maketitlewidth}
7178 \ifnum\maketitlemaxwidth<\maketitlefullnamewidth\setlength{\maketitlewidth}{\maketitlefullnamewidth}
7179 \newlength{\maketitlepicturewidth}
7180 \setlength{\maketitlepicturewidth}{\@photowidth}
7181 \newlength{\maketitledetailwidth}
7182 \renewcommand*{\recomputethemelengths}{%
7183 \setlength{\maketitledetailwidth}{\textwidth}%
7184 \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
7185 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7186 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7187 \recomputethemelengths
7188 \newif\if@firstdetailselement\@firstdetailselementtrue
7189 \newcommand*{\maketitledetailsnewline}{%
7190 \if@firstdetailselement%
7191 \@firstdetailselementfalse%
7192 \else%
7193 \[\[.2em]\fi}
7194 \renewcommand*{\maketitle}{%
7195 % name and title
7196 \begin{minipage}[b]{\maketitlewidth}%
7197 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7198 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}{}%
7199 \end{minipage}%
7200 % optional data
7201 \begin{minipage}[b]{\maketitledetailwidth}%
7202 \bidi@raggedleft\addressfont\@addresscolour%
7203 \ifthenelse{\isundefined{\@address}}{\}{}%
7204 \maketitledetailsnewline%
7205 \addresssymbol-\[\[\@address}%
7206 \ifthenelse{\isundefined{\@mobile}}{\}\{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7207 \ifthenelse{\isundefined{\@phone}}{\}\{\maketitledetailsnewline\phonesymbol~\@phone}%
7208 \ifthenelse{\isundefined{\@fax}}{\}\{\maketitledetailsnewline\faxsymbol~\@fax}%
7209 \ifthenelse{\isundefined{\@email}}{\}\{\maketitledetailsnewline\emailsymbol~\emai\link{\@email}%
7210 \ifthenelse{\isundefined{\@extrainfo}}{\}\{\maketitledetailsnewline\@extrainfo}%
7211 \end{minipage}%
7212 % optional photo
7213 \ifthenelse{\isundefined{\@photo}}{\}{}%
7214 \}{}%
7215 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
7216 % optional quote
7217 \ifthenelse{\isundefined{\@quote}}{\}{}%
7218 \}{}%
7219 {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[\[2.0em]
7220 }

```

7.48 dblfnote-xetex-bidi.def

```

7221 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for XeTeX]

```



```

7222 \let\autofooterule\relax
7223 \let\rightfootnoterule\relax
7224 \let\leftfootnoterule\relax
7225 \let\textwidthfootnoterule\relax
7226 \let\LRfootnoterule\relax
7227 \def\footnoterule{\kern-3\p@
7228 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7229 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7230 \let\@footnotetext\dfn@footnotetext}
7231 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7232 \let\insert\dfn@gobble
7233 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7234 \def\@makefnmark{\smash{\dfn@makefnmark}}
7235 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7236 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7237 \ifdim\dfn@dima>z@\else
7238 \dfn@dima\sp\relax
7239 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7240 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7241 \ifvoid\dfn@ins\else
7242 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7243 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7244 \setbox\dfn@boxa\copy\dfn@ins
7245 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7246 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7247 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7248 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7249 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7250 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7251 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7252 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7253 \let\insert\dfn@gobble
7254 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7255 \def\@makefnmark{\smash{\dfn@makefnmark}}
7256 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7257 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7258 \ifdim\dfn@dima>z@\else
7259 \dfn@dima\sp\relax
7260 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7261 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7262 \ifvoid\dfn@ins\else
7263 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7264 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7265 \setbox\dfn@boxa\copy\dfn@ins
7266 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7267 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7268 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7269 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7270 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7271 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext

```




```

7272 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7273 \def\dfn@RTLmakecol{\ifvoid\footins\else
7274     \dfn@dima\ht\footins
7275     \@tempcnta\z@ \dfn@countins
7276     \@tempdima\z@ \let\@elt\dfn@elt@getht
7277     \dfn@list\@nil
7278     \ifdim\@tempdima=\z@\else
7279     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7280     \global\setbox\dfn@ins\box\dfn@ins
7281     \@tempwatrule
7282     \ifdfn@trysingle
7283         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7284         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7285         \advance\@tempdima-\skip\footins
7286         \advance\@tempdima-\ht\dfn@boxa
7287         \ifdim\@tempdima<\z@\else \@tempswafalse
7288             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7289                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7290     \if@tempswa
7291     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7292     \global\setbox\footins\vbox{\hbox{%
7293         \hskip \DFNcolumnwidth
7294         \hskip\DFNcolumnsep
7295         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7296             \unvbox\dfn@boxb\vss}\hss}
7297         \hskip -\textwidth
7298         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7299             \vbox to\@tempdima{
7300                 \setbox\@tempboxa\vbox{\footnoterule}
7301                 \ifdfn@ruleboth \unvbox\@tempboxa
7302                 \else \@tempdima\ht\@tempboxa
7303                     \advance\@tempdima\dp\@tempboxa
7304                     \vskip\@tempdima
7305                     \prevdepth\dp\@tempboxa \fi
7306                 \unvbox\dfn@boxa\vss}\fi\hss}
7307                 \hskip \DFNcolumnsep
7308                 \hskip \DFNcolumnwidth}}}\fi\fi
7309     \global\dfn@fnht\z@
7310     \ifx\dfn@list\@empty\else
7311         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7312         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7313         \let\@elt\relax
7314         \ifdim\dfn@dimb>\z@
7315             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7316             \insert\footins{\floatingpenalty\@MM
7317                 \vbox to\dfn@dimb{}}\fi
7318         \ifdim\dfn@fnht>\@tempdima
7319             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7320             \global\dfn@fnht\@tempdima
7321             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%

```



```

7322         \xdef\dfn@afteroutput{\insert\footins{
7323             \floatingpenalty\@MM
7324             \vbox to\number\@tempdimb sp{}}}%
7325         \global\let\noexpand\dfn@afteroutput\relax}%
7326     \fi\fi
7327 \fi}%
7328 \let\footnoterule\relax \dfn@latex@makecol
7329 \let\footnoterule\dfn@footnoterule}
7330 \def\dfn@LTRmakecol{\ifvoid\footins\else
7331     \dfn@dim\ht\footins
7332     \@tempcnta\z@ \dfn@countins
7333     \@tempdima\z@ \let\@elt\dfn@elt@getht
7334     \dfn@list\@nil
7335     \ifdim\@tempdima=\z@\else
7336     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7337     \global\setbox\dfn@ins\box\dfn@ins
7338     \@tempwattrue
7339     \ifdfn@trysingle
7340         \setbox\dfn@box\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7341         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7342         \advance\@tempdima-\skip\footins
7343         \advance\@tempdima-\ht\dfn@boxa
7344         \ifdim\@tempdima<\z@\else \@tempwafalse
7345         \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7346             \footnoterule \unvbox\dfn@boxa}\fi\fi
7347     \if@tempswa
7348     \dfn@split{\dfn@dim}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7349     \global\setbox\footins\vbox{\hbox{%
7350         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7351             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7352         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7353             \vbox to\@tempdima{
7354                 \setbox\@tempboxa\vbox{\footnoterule}
7355                 \ifdfn@ruleboth \unvbox\@tempboxa
7356                 \else \@tempdima\ht\@tempboxa
7357                 \advance\@tempdima\dp\@tempboxa
7358                 \vskip\@tempdima
7359                 \prevdepth\dp\@tempboxa \fi
7360                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7361     \global\dfn@fnht\z@
7362     \ifx\dfn@list\@empty\else
7363         \let\@elt\dfn@elt@adjust \dfn@dim\z@ \dfn@dimb\z@
7364         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7365         \let\@elt\relax
7366         \ifdim\dfn@dimb>\z@
7367         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7368         \insert\footins{\floatingpenalty\@MM
7369             \vbox to\dfn@dimb{}}\fi
7370     \ifdim\dfn@fnht>\@tempdima
7371         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht

```



```

7372             \global\dfn@fnht\@tempdima
7373             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7374             \xdef\dfn@afteroutput{\insert\footins{
7375                 \floatingpenalty\@MM
7376                 \vbox to\number\@tempdimb sp{}}}%
7377             \global\let\noexpand\dfn@afteroutput\relax}%
7378         \fi\fi
7379     \fi}%
7380     \let\footnoterule\relax \dfn@latex@makecol
7381     \let\footnoterule\dfn@footnoterule}
7382 \renewcommand{\dfn@makecol}{\ifRTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7383 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7384 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7385 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7386 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7387 \renewcommand\SetWatermarkText[1]{%
7388 \def\sc@wm@text{\ifRTLmain\beginR\fi#1\ifRTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

7389 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7390 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7391 \put(\LenToUnit{\ifRTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7392
7393 \ESO@isMEMOIR{%
7394 \renewcommand\AtTextUpperLeft[1]{%
7395 \begingroup
7396 \ifodd\c@page
7397 \@tempdima=\spinemargin
7398 \else
7399 \@tempdima=\paperwidth
7400 \advance\@tempdima-\textwidth
7401 \advance\@tempdima-\spinemargin
7402 \fi
7403 \@tempdimb=-\uppermargin
7404 \AtPageUpperLeft{%
7405 \put(\LenToUnit{\ifRTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7406 }%
7407 \endgroup
7408 }
7409 }{%
7410 \renewcommand\AtTextUpperLeft[1]{%
7411 \begingroup
7412 \@tempdima=1in\relax
7413 \ifodd\c@page
7414 \advance\@tempdima\oddsidemargin
7415 \else
7416 \advance\@tempdima\evensidemargin

```



```

7417     \fi
7418     \@tempdimb=-1in\relax
7419     \advance\@tempdimb-\topmargin
7420     \advance\@tempdimb-\headheight
7421     \advance\@tempdimb-\headsep
7422     \AtPageUpperLeft{%
7423     \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7424     }%
7425     \endgroup
7426   }
7427 }

```

7.51 empheq-xetex-bidi.def

```

7428 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7429 \MHInternalSyntaxOn
7430 \def\EQ_tag_plus_endmark:{%
7431   \iftagsleft@
7432     \gdef\maketag@@@#1{%
7433       \hfuzz\displaywidth
7434       \if@RTL\makebox[\widthof{#1}][r]{%
7435         \hbox to \displaywidth{\m@th\normalfont#1\hss
7436           \raisebox{-\dp\EQ_mathdisplay_box
7437             -\depthof{\EQ_outerbox:}}{
7438             {\PotEndMark{\hss}}}}
7439       \else\makebox[\widthof{#1}][l]{%
7440         \hbox to \displaywidth{\m@th\normalfont#1\hss
7441           \raisebox{-\dp\EQ_mathdisplay_box
7442             -\depthof{\EQ_outerbox:}}{
7443             {\PotEndMark{\hss}}}}\fi}%
7444   \else:
7445     \gdef\maketag@@@#1{%
7446       \hbox{\m@th\normalfont#1\llap{\hss\PotEndMark{
7447         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7448         \MH_addtolength:dn \@tempdima
7449         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7450         \setlength{\@tempdimb}
7451         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7452         +\depthof{\EQ_innerbox:}}}}
7453       \if_dim:w \@tempdima>\@tempdimb
7454         \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7455           -\@tempdima+\g_EQ_bottomrow_depth_dim}
7456         \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7457       \def\EQ_next:{\raisebox{\@tempdima}}%
7458     \else:
7459       \def\EQ_next:{
7460         \raisebox{-\dp\EQ_mathdisplay_box
7461           -\depthof{\EQ_outerbox:}}}%
7462     \fi:\EQ_next:}}}%
7463 \fi:}

```



```

7464 \def\EQ_post_process:{%
7465   \EQ_initialize:
7466   \EQ_begin_equation:
7467   \MH_if_boolean:nT {outer_mult}{
7468     \setkeys{\MT_options_name:}{
7469       firstline-afterskip=0pt,
7470       lastline-preskip=0pt,
7471       multlined-width=0pt,
7472     }
7473     \ifodd \l_EQ_alignmentmode_int
7474       \setkeys{\MT_options_name:}{multlined-pos=b}
7475     \else:
7476       \setkeys{\MT_options_name:}{multlined-pos=t}
7477     \fi:
7478     \g@addto@macro\EQ_complete_mathdisplay:{
7479       \begin{MTmultlined}\relax}
7480   }
7481   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7482   \MH_if_boolean:nT {outer_mult}{
7483     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7484   }
7485   \EQ_end_equation:
7486   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7487   \savecounters@
7488   \EQ_typeset_tags:
7489   \edef\l_EQ_equation_fint{\number\c@equation}
7490   \restorecounters@
7491   \Hy@linkcounter=\EQ_hyperref_link_fint
7492   \settowidth\l_EQ_totalwidth_dim{%
7493     $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7494   \MH_if_boolean:nTF {outer_mult}
7495     { \def\EQ_next:{_mult} }
7496     { \def\EQ_next:{} }
7497   \@nameuse{EQ_modify_linewidth_
7498     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7499   \EQ_typeset_display:
7500   \@nameuse{find_displaywidth_
7501     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7502   \MH_addtolength:dn
7503     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7504   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7505     $\EQ_left_side:
7506     \EQ_innerbox:}%
7507     \if_case:w \l_EQ_alignmentmode_int\or:
7508       \makebox[\l_EQ_displaywidth_dim][c]
7509         {\usebox{\EQ_mathdisplay_box}}%
7510     \or:
7511       \makebox[\l_EQ_displaywidth_dim][c]
7512         {\usebox{\EQ_mathdisplay_box}}%
7513     \or:

```



```

7514     \ifRTL\makebox[\l_EQ_displaywidth_dim][r]{%
7515         \if_num:w \l_EQ_equationtype_int=5 \else:
7516             \if_num:w \l_EQ_equationtype_int=6 \else:
7517                 \kern-\@mathmargin
7518             \fi:
7519         \fi:
7520         \usebox{\EQ_mathdisplay_box}}%
7521 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7522     \if_num:w \l_EQ_equationtype_int=5 \else:
7523         \if_num:w \l_EQ_equationtype_int=6 \else:
7524             \kern-\@mathmargin
7525         \fi:
7526     \fi:
7527     \usebox{\EQ_mathdisplay_box}}\fi%
7528 \or:
7529     \ifRTL\makebox[\l_EQ_displaywidth_dim][r]{%
7530         \if_num:w \l_EQ_equationtype_int=5 \else:
7531             \if_num:w \l_EQ_equationtype_int=6 \else:
7532                 \kern-\@mathmargin
7533             \fi:
7534         \fi:
7535         \usebox{\EQ_mathdisplay_box}}
7536 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7537     \if_num:w \l_EQ_equationtype_int=5 \else:
7538         \if_num:w \l_EQ_equationtype_int=6 \else:
7539             \kern-\@mathmargin
7540         \fi:
7541     \fi:
7542     \usebox{\EQ_mathdisplay_box}}\fi%
7543 \fi:}%
7544 \EQ_right_side:$}%
7545 \begin{AmSequation*}
7546 \@nameuse{EQ_place_display_
7547     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7548 \if_dim:w \g_EQ_widesttag_dim>\z@
7549 \MH_set_boolean_T:n {show_manual_tags}
7550 \if_case:w \l_EQ_alignmentmode_int
7551     \or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7552     \or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7553     \or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7554     \or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7555     \fi:
7556 \fi:
7557 \end{AmSequation*}
7558 \global\c@equation=\l_EQ_equation_fint\relax
7559 }
7560 \AtBeginDocument{%
7561     \@ifpackageloaded{fancybox}{%
7562         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7563         {\renewcommand*{textcolor[2]{\normalcolor{#2}}}}%

```



```

7564 \renewcommand*\shadowbox{%
7565   \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7566     \VerbBox\EQ_shadowbox:n}
7567     {\MH_set_boolean_F:n {shadowbox_star}
7568     \VerbBox\EQ_shadowbox:n}}
7569 \def\EQ_shadowbox:n #1{%
7570   \sbox{\z@}{\fbox{#1}}%
7571   \MH_if_boolean:nTF {shadowbox_star}{
7572     \MH_setlength:dn \@tempdima{\z@}%
7573   }{
7574     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7575   }
7576   \raisebox{\@tempdima}{%
7577     \if@RTL\makebox[\z@][r]{%
7578       \kern\shadowsize \textcolor{shadowcolor}{%
7579         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7580     }%
7581     \else\makebox[\z@][l]{%
7582       \kern\shadowsize \textcolor{shadowcolor}{%
7583         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7584     }\fi%
7585     \usebox\z@\textcolor{shadowcolor}{%
7586       \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7587   }{}%
7588 }
7589 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

7590 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7591 \renewcommand*\l@section[2]{%
7592   \ifnum \c@tocdepth >\z@
7593     \addpenalty\@secpenalty
7594     \addvspace{1.0em \@plus\p@}%
7595     \setlength\@tempdima{1.5em}%
7596     \begingroup
7597       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7598       \parfillskip -\@pnumwidth
7599       \leavevmode \bfseries
7600       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7601       \hskip -\if@RTL\rightskip\else\leftskip\fi
7602       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7603     \endgroup
7604   \fi}
7605 \renewcommand*\l@part[2]{%
7606   \ifnum \c@tocdepth >-2\relax
7607     \addpenalty\@secpenalty
7608     \addvspace{2.25em \@plus\p@}%
7609     \begingroup
7610     \setlength\@tempdima{3em}%

```



```

7611     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7612     \parfillskip -\@pnumwidth
7613     {\leavevmode
7614       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7615     \nobreak
7616   \endgroup
7617 \fi}
7618 \def\@part[#1]#2{%
7619   \ifnum \c@secnumdepth >\m@ne
7620     \refstepcounter{part}%
7621     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7622   \else
7623     \addcontentsline{toc}{part}{#1}%
7624   \fi
7625   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7626     \interlinepenalty \@M
7627     \normalfont
7628     \ifnum \c@secnumdepth >\m@ne
7629       \Large\bfseries \partname~\thepart
7630     \par\nobreak
7631     \fi
7632     \huge \bfseries #2%
7633     \markboth{}{\par}%
7634     \nobreak
7635     \vskip 3ex
7636     \@afterheading}
7637 \def\@spart#1{%
7638   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7639     \interlinepenalty \@M
7640     \normalfont
7641     \huge \bfseries #1\par}%
7642   \nobreak
7643   \vskip 3ex
7644   \@afterheading}
7645 \renewenvironment{thebibliography}[1]
7646   {\section*{\refname
7647     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7648     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7649     \list{\@biblabel{\@arabic\c@enumiv}}%
7650     {\settowidth\labelwidth{\@biblabel{#1}}%
7651       \leftmargin\labelwidth
7652       \advance\leftmargin\labelsep
7653       \@openbib@code
7654       \usecounter{enumiv}%
7655       \let\p@enumiv\@empty
7656       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7657     \sloppy\clubpenalty4000\widowpenalty4000%
7658     \sfcode`.\@m}
7659   {\def\@noitemerr
7660     {\@latex@warning{Empty `thebibliography' environment}}%

```




```

7661     \endlist}
7662 \renewcommand\left@footnoterule{%
7663   \kern-3\p@
7664   \hrule\@width.4\columnwidth
7665   \kern2.6\p@}
7666 \renewcommand\right@footnoterule{%
7667   \kern-3\p@
7668   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7669   \kern2.6\p@}
7670   \if@titlepage
7671   \renewcommand\maketitle{\begin{titlepage}%
7672     \let\footnotesize\small
7673     \let\right@footnoterule\relax
7674     \let\left@footnoterule\relax
7675     \let\textwidth\footnoterule\relax
7676     \let \footnote \thanks
7677     \null\vfil
7678     \vskip 60\p@
7679     \begin{center}%
7680       {\LARGE \@title \par}%
7681       \vskip 3em%
7682       {\large
7683         \lineskip .75em%
7684         \begin{tabular}[t]{c}%
7685           \@author
7686           \end{tabular}\par}%
7687         \vskip 1.5em%
7688         {\large \@date \par}%           % Set date in \large size.
7689     \end{center}\par
7690     \@thanks
7691     \vfil\null
7692   \end{titlepage}%
7693   \setcounter{footnote}{0}%
7694   \global\let\thanks\relax
7695   \global\let\maketitle\relax
7696   \global\let\@thanks\@empty
7697   \global\let\@author\@empty
7698   \global\let\@date\@empty
7699   \global\let\@title\@empty
7700   \global\let\title\relax
7701   \global\let\author\relax
7702   \global\let\date\relax
7703   \global\let\and\relax
7704 }
7705 \else
7706 \renewcommand\maketitle{\par
7707   \begingroup
7708     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7709     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7710     \long\def\@makefntext##1{\parindent 1em\noindent

```



```

7711         \hb@xt@1.8em{%
7712             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7713 \if@twocolumn
7714     \ifnum \col@number=\@ne
7715         \@maketitle
7716     \else
7717         \twocolumn[\@maketitle]%
7718     \fi
7719 \else
7720     \newpage
7721     \global\@topnum\z@    % Prevents figures from going at top of page.
7722     \@maketitle
7723     \fi
7724     \thispagestyle{plain}\@thanks
7725 \endgroup
7726 \setcounter{footnote}{0}%
7727 \global\let\thanks\relax
7728 \global\let\maketitle\relax
7729 \global\let\@maketitle\relax
7730 \global\let\@thanks\@empty
7731 \global\let\@author\@empty
7732 \global\let\@date\@empty
7733 \global\let\@title\@empty
7734 \global\let\title\relax
7735 \global\let\author\relax
7736 \global\let\date\relax
7737 \global\let\and\relax
7738 }
7739 \def\@maketitle{%
7740     \newpage
7741     \null
7742     \vskip 2em%
7743     \begin{center}%
7744     \let \footnote \thanks
7745     {\LARGE \@title \par}%
7746     \vskip 1.5em%
7747     {\large
7748         \lineskip .5em%
7749         \begin{tabular}[t]{c}%
7750             \@author
7751         \end{tabular}\par}%
7752     \vskip 1em%
7753     {\large \@date}%
7754     \end{center}%
7755     \par
7756     \vskip 1.5em}
7757 \fi
7758 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7759 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7760 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```
7761 \renewcommand\thesubparagraph {\theparagraph \@SepMark \@arabic\c@subparagraph}%%
```

7.53 extbook-xetex-bidi.def

```
7762 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7763 \if@titlepage
7764 \renewcommand\maketitle{\begin{titlepage}%
7765 \let\footnotesize\small
7766 \let\right@footnoterule\relax
7767 \let\left@footnoterule\relax
7768 \let\textwidth@footnoterule\relax
7769 \let \footnote \thanks
7770 \let \LTRfootnote \LTRthanks
7771 \let \RTLfootnote \RTLthanks
7772 \null\vfil
7773 \vskip 60\p@
7774 \begin{center}%
7775 {\LARGE \@title \par}%
7776 \vskip 3em%
7777 {\large
7778 \lineskip .75em%
7779 \begin{tabular}[t]{c}%
7780 \@author
7781 \end{tabular}\par}%
7782 \vskip 1.5em%
7783 {\large \@date \par}% % Set date in \large size.
7784 \end{center}\par
7785 \@thanks
7786 \vfil\null
7787 \end{titlepage}%
7788 \setcounter{footnote}{0}%
7789 \global\let\thanks\relax
7790 \global\let\LTRthanks\relax
7791 \global\let\RTLthanks\relax
7792 \global\let\maketitle\relax
7793 \global\let\@thanks\@empty
7794 \global\let\@author\@empty
7795 \global\let\@date\@empty
7796 \global\let\@title\@empty
7797 \global\let\title\relax
7798 \global\let\author\relax
7799 \global\let\date\relax
7800 \global\let\and\relax
7801 }
7802 \else
7803 \renewcommand\maketitle{\par
7804 \begingroup
7805 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7806 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7807 \long\def\@makefntext##1{\parindent 1em\noindent
```



```

7808         \hb@xt@1.8em{%
7809             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7810     \if@twocolumn
7811         \ifnum \col@number=\@ne
7812             \@maketitle
7813         \else
7814             \twocolumn[\@maketitle]%
7815         \fi
7816     \else
7817         \newpage
7818         \global\@topnum\z@    % Prevents figures from going at top of page.
7819         \@maketitle
7820     \fi
7821     \thispagestyle{plain}\@thanks
7822 \endgroup
7823 \setcounter{footnote}{0}%
7824 \global\let\thanks\relax
7825 \global\let\LTRthanks\relax
7826 \global\let\RTLthanks\relax
7827 \global\let\maketitle\relax
7828 \global\let\@maketitle\relax
7829 \global\let\@thanks\@empty
7830 \global\let\@author\@empty
7831 \global\let\@date\@empty
7832 \global\let\@title\@empty
7833 \global\let\title\relax
7834 \global\let\author\relax
7835 \global\let\date\relax
7836 \global\let\and\relax
7837 }
7838 \def\@maketitle{%
7839     \newpage
7840     \null
7841     \vskip 2em%
7842     \begin{center}%
7843         \let \footnote \thanks
7844         \let \LTRfootnote \LTRthanks
7845         \let \RTLfootnote \RTLthanks
7846         {\LARGE \@title \par}%
7847         \vskip 1.5em%
7848         {\large
7849             \lineskip .5em%
7850             \begin{tabular}[t]{c}%
7851                 \@author
7852             \end{tabular}\par}%
7853         \vskip 1em%
7854         {\large \@date}%
7855     \end{center}%
7856     \par
7857     \vskip 1.5em}

```



```

7858 \fi
7859 \renewcommand*\l@part[2]{%
7860   \ifnum \c@tocdepth >-2\relax
7861     \addpenalty{-\@highpenalty}%
7862     \addvspace{2.25em \@plus\p@}%
7863     \begingroup
7864       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7865       \parfillskip -\@pnumwidth
7866       {\leavevmode
7867         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7868         \nobreak
7869         \global\@nobreaktrue
7870         \everypar{\global\@nobreakfalse\everypar{}}%
7871     \endgroup
7872 \fi}
7873 \renewcommand\theequation
7874   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7875 \renewcommand \thefigure
7876   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7877 \renewcommand \thetable
7878   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7879 \renewcommand \thechapter {\@arabic\c@chapter}
7880 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7881 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7882 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7883 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7884 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7885 \def\@makechapterhead#1{%
7886   \vspace*{50\p@}%
7887   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7888     \ifnum \c@secnumdepth >\m@ne
7889       \if@mainmatter
7890         \huge\bfseries \@chapapp\space \thechapter
7891         \par\nobreak
7892         \vskip 20\p@
7893       \fi
7894     \fi
7895     \interlinepenalty\@M
7896     \Huge \bfseries #1\par\nobreak
7897     \vskip 40\p@
7898   }}
7899
7900 \def\@makeschapterhead#1{%
7901   \vspace*{50\p@}%
7902   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7903     \normalfont
7904     \interlinepenalty\@M
7905     \Huge \bfseries #1\par\nobreak
7906     \vskip 40\p@
7907   }}

```



```

7908 \renewcommand\backmatter{%
7909   \if@openright
7910     \cleardoublepage
7911   \else
7912     \clearpage
7913   \fi
7914   \@mainmatterfalse}
7915 \renewenvironment{thebibliography}[1]
7916   {\chapter*{\bibname
7917     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7918   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7919   \list{\@biblabel{\@arabic\c@enumiv}}%
7920     {\settowidth\labelwidth{\@biblabel{#1}}%
7921     \leftmargin\labelwidth
7922     \advance\leftmargin\labelsep
7923     \@openbib@code
7924     \usecounter{enumiv}%
7925     \let\p@enumiv\@empty
7926     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7927   \sloppy
7928   \clubpenalty4000
7929   \@clubpenalty \clubpenalty
7930   \widowpenalty4000%
7931   \sfcode`.\@m}
7932   {\def\@noitemerr
7933     {\@latex@warning{Empty `thebibliography' environment}}%
7934   \endlist}

```

7.54 extletter-xetex-bidi.def

```

7935 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7936 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
7937   \thispagestyle{firstpage}%
7938   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7939   \else % home address
7940     \thispagestyle{empty}%
7941     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7942       \fromaddress \*[2\parskip]%
7943       \@date \end{tabular}\par}%
7944   \fi
7945   \vspace{2\parskip}%
7946   {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
7947   \vspace{2\parskip}%
7948   #1\par\nobreak}
7949 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7950   \stopbreaks
7951   \noindent
7952   \ifx\@empty\fromaddress\else
7953   \hspace*\[longindentation}\fi
7954   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi

```



```

7955     \ignorespaces #1\[\medskipamount]%
7956     \ifx\@empty\fromsig
7957         \fromname
7958     \else \fromsig \fi\strut}%
7959 \par}
7960 \renewcommand\left@footnoterule{%
7961 \kern-\p@
7962 \hrule \@width .4\columnwidth
7963 \kern .6\p@}
7964 \renewcommand\right@footnoterule{%
7965 \kern-\p@
7966 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7967 \kern .6\p@}

```

7.55 extrafootnotefeatures-xetex-bidi.def

```

7968 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2015/11/23 v0.7 bidi extra footnote feature
7969 \let\autofootnoterule\relax
7970 \let\rightfootnoterule\relax
7971 \let\leftfootnoterule\relax
7972 \let\textwidthfootnoterule\relax
7973 \let\LRfootnoterule\relax
7974 \def\footnoterule{\kern-3\p@
7975 \hrule \@width \columnwidth \kern 2.6\p@}
7976 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7977 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7978 \renewcommand{\@footnotetext}[1]{%
7979 \insert\footins{%
7980 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7981 \def\baselinestretch{\m@m@footnote@spacing}%
7982 \reset@font
7983 \foottextfont
7984 \@preamfntext
7985 \hsize\columnwidth
7986 \protected@edef\@currentlabel{%
7987 \csname p@footnote\endcsname\@thefnmark}%
7988 \color@begingroup
7989 \@makefntext{%
7990 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7991 \@finalstrut\strutbox}%
7992 \color@endgroup}%
7993 \m@mmf@prepare}
7994 \renewcommand{\@RTLfootnotetext}[1]{%
7995 \insert\footins{%
7996 \@RTLtrue%
7997 \def\baselinestretch{\m@m@footnote@spacing}%
7998 \reset@font
7999 \RTLfoottextfont
8000 \@preamfntext
8001 \hsize\columnwidth

```



```

8002 \protected@edef\@currentlabel{%
8003 \csname p@footnote\endcsname\@thefnmark}%
8004 \color@begingroup
8005 \makefnfntext{%
8006 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8007 \@finalstrut\strutbox}%
8008 \color@endgroup}%
8009 \m@mmf@prepare}
8010 \renewcommand{\LTRfootnotetext}[1]{%
8011 \insert\footins{%
8012 \RTLfalse%
8013 \def\baselinestretch{\m@m@footnote@spacing}%
8014 \reset@font
8015 \LTRfoottextfont
8016 \@preamfnfntext
8017 \hsize\columnwidth
8018 \protected@edef\@currentlabel{%
8019 \csname p@footnote\endcsname\@thefnmark}%
8020 \color@begingroup
8021 \makefnfntext{%
8022 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8023 \@finalstrut\strutbox}%
8024 \color@endgroup}%
8025 \m@mmf@prepare}
8026 \renewcommand{\mpfootnotetext}[1]{%
8027 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8028 \unvbox\@mpfootins
8029 \def\baselinestretch{\m@m@footnote@spacing}%
8030 \foottextfont \hsize\columnwidth \@parboxrestore
8031 \protected@edef\@currentlabel{%
8032 \csname p@mpfootnote\endcsname\@thefnmark}%
8033 \color@begingroup
8034 \reset@font%
8035 \makefnfntext{%
8036 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8037 \@finalstrut\strutbox}%
8038 \color@endgroup}}
8039 \renewcommand{\@mpLTRfootnotetext}[1]{%
8040 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8041 \unvbox\@mpfootins
8042 \def\baselinestretch{\m@m@footnote@spacing}%
8043 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8044 \protected@edef\@currentlabel{%
8045 \csname p@mpfootnote\endcsname\@thefnmark}%
8046 \color@begingroup
8047 \reset@font%
8048 \makefnfntext{%
8049 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8050 \@finalstrut\strutbox}%
8051 \color@endgroup}}

```




```

8052 \renewcommand{\@mpRTLfootnotetext}[1]{%
8053   \global\setbox\@mpfootins\vbox{\@RTLtrue%
8054     \unvbox\@mpfootins
8055     \def\baselinestretch{\m@m@footnote@spacing}%
8056     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8057     \protected@edef\@currentlabel{%
8058       \csname p@mpfootnote\endcsname\@thefnmark}%
8059     \color@begingroup
8060     \reset@font%
8061     \@makefntext{%
8062       \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8063       \@finalstrut\strutbox}%
8064     \color@endgroup}}
8065 \let\m@mold@footnotetext\@footnotetext
8066 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8067 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8068 \let\m@mold@mpfootnotetext\@mpfootnotetext
8069 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8070 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8071 \bidi@ensure@newcommand{\normalfootnotes}{%
8072   \let\@footnotetext\m@mold@footnotetext
8073   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8074   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8075   \let\@mpfootnotetext\m@mold@mpfootnotetext
8076   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8077   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8078 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8079 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotestruer}
8080 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotesfalse}
8081 \bidi@ensure@newcommand*\setSingleSpace}[1]{%
8082   \def\m@m@singlespace{#1}%
8083   \def\m@m@footnote@spacing{#1}%
8084   \def\m@m@float@spacing{#1} %
8085 }
8086 \setSingleSpace{1}
8087 \newinsert\sideins
8088 \bidi@ensure@newcommand*\multiplefootnotemarker}{3sp}
8089 \bidi@ensure@newcommand*\m@mmf@prepare}{%
8090   \kern-\multiplefootnotemarker
8091   \kern\multiplefootnotemarker\relax}
8092 \bidi@ensure@newlength{\footmarkwidth}
8093 \bidi@ensure@newlength{\footmarksep}
8094 \bidi@ensure@newlength{\footparindent}
8095 \bidi@ensure@newcommand*\footmarkstyle}[1]{\def\footscript##1{#1}}
8096 \bidi@ensure@newcommand{\footfootmark}{%
8097   \ifdim\footmarkwidth < \z@
8098     \llap{\hb@xt@ -\footmarkwidth{%
8099       \hss\normalfont\footscript{\@thefnmark}}}%
8100     \hspace*{-\footmarkwidth}}%
8101   \else

```



```

8102 \ifdim\footmarkwidth = \z@
8103     {\normalfont\footscript{\@thefnmark}}%
8104 \else
8105     \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8106 \fi
8107 \fi}
8108 \footmarkstyle{\textsuperscript{#1}}
8109 \setlength{\footmarkwidth}{1.8em}
8110 \setlength{\footparindent}{1em}
8111 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8112 \bidi@ensure@newcommand*{\extrafeetins}{%
8113 \setbox\@outputbox \vbox{%
8114 \boxmaxdepth \@maxdepth
8115 \unvbox\@outputbox
8116 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8117 \extrafeetinshook}}
8118 \bidi@ensure@newcommand{\extrafeetinshook}{}
8119 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8120 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8121 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8122 \bidi@ensure@newlength{\footinsdim}
8123 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8124 \bidi@ensure@newcommand{\@preamfntext}{%
8125 \interlinepenalty\interfootnotelinepenalty
8126 \floatingpenalty \@MM
8127 \splittopskip=\footnotesep
8128 \splitmaxdepth=\dp\strutbox
8129 \@parboxrestore}
8130 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8131 \extrafeetminihook}
8132 \bidi@ensure@newcommand{\extrafeetendmini}{%
8133 \ifvoid\@mpfootinsv@r\else
8134 \vskip\skip\@mpfootins
8135 \normalcolor\footnoterule\mp@footgroupv@r
8136 \fi
8137 \extrafeetendminihook}
8138 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8139 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8140 \def\endminipage{%
8141 \par
8142 \unskip
8143 \ifvoid\@mpfootins\else
8144 \vskip\skip\@mpfootins
8145 \normalcolor
8146 \footnoterule
8147 \unvbox\@mpfootins
8148 \fi
8149 \m@mdoextrafeetendmini
8150 \@minipagefalse
8151 \color@endgroup

```



```

8152 \egroup
8153 \expandafter\iiiparbox\@mpargs{\unvbox\@tempboxa}
8154 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8155 \namedef{@footstart#1}{%
8156 \vskip\bigskipamount
8157 \leftskip=\z@
8158 \rightskip=\z@
8159 \footnoterule}}
8160 \newinsert\footinsv@r
8161 \skip\footinsv@r\bigskipamount
8162 \count\footinsv@r=1000 % no magnification
8163 \dimen\footinsv@r=\footinsdim
8164 \m@make@footstart{v@r}
8165 \bidi@ensure@newcommand{\@footgroupv@r}{%
8166 \newinsert\@mpfootinsv@r
8167 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8168 \newcount\m@m@k \newdimen\m@m@h
8169 \@ifpackageloaded{multicol}{%
8170 \bidi@ensure@newcommand*{\m@r@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8171 \hsize\textwidth
8172 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8173 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8174 }{%
8175 \bidi@ensure@newcommand*{\m@r@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8176 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8177 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8178 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8179 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8180 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8181 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8182 \setbox2 \vsplit0 to \dimen0
8183 \unvbox2 }
8184 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8185 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8186 \let\@footnotetext\@twocolfootnotetext
8187 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8188 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8189 \dimen\footinsv@r=2\footinsdim
8190 \count\footinsv@r=500\relax
8191 \m@make@twocol@footgroup{v@r}%
8192 \let\@footgroupv@r\@twocol@footgroupv@r
8193 \let\@mpfootnotetext\@mptwocolfootnotetext
8194 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8195 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8196 \m@make@mptwocol@footgroup{v@r}%
8197 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8198 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8199 \def\baselinestretch{\m@m@footnote@spacing}%
8200 \reset@font\foottextfont
8201 \@preamfntext

```



```

8202 \protected@edef\@currentlabel{%
8203   \csname p@footnote\endcsname\@thefnmark}%
8204 \color@begingroup
8205   \@twocolfootfmt{#1}%
8206 \color@endgroup}%
8207 \m@mmf@prepare}
8208 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8209 \def\baselinestretch{\m@m@footnote@spacing}%
8210 \reset@font\LTRfoottextfont
8211 \@preamftext
8212 \protected@edef\@currentlabel{%
8213   \csname p@footnote\endcsname\@thefnmark}%
8214 \color@begingroup
8215   \@twocolLTRfootfmt{#1}%
8216 \color@endgroup}%
8217 \m@mmf@prepare}
8218 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8219 \def\baselinestretch{\m@m@footnote@spacing}%
8220 \reset@font\RTLfoottextfont
8221 \@preamftext
8222 \protected@edef\@currentlabel{%
8223   \csname p@footnote\endcsname\@thefnmark}%
8224 \color@begingroup
8225   \@twocolRTLfootfmt{#1}%
8226 \color@endgroup}%
8227 \m@mmf@prepare}
8228 \bidi@ensure@newcommand{\@preamtwofmt}{%
8229 \hspace .45\hspace
8230 \parindent=\z@
8231 \tolerance=5000\relax
8232 \leavevmode}
8233 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8234 \@preamtwofmt
8235 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8236 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8237 \@preamtwofmt
8238 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8239 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8240 \@preamtwofmt
8241 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8242 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8243 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8244   \unvbox\@mpfootinsv@r
8245   \def\baselinestretch{\m@m@footnote@spacing}%
8246   \reset@font\foottextfont
8247   \hspace\columnwidth \parboxrestore
8248   \protected@edef\@currentlabel{%
8249     \csname p@mpfootnote\endcsname\@thefnmark}%
8250   \color@begingroup
8251   \@twocolfootfmt{#1}%

```



```

8252 \color@endgroup}%
8253 \m@mmf@prepare}
8254 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8255 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8256 \unvbox\@mpfootinsv@r
8257 \def\baselinestretch{\m@m@footnote@spacing}%
8258 \reset@font\LTRfoottextfont
8259 \hsize\columnwidth \@parboxrestore
8260 \if@RTLcolumnfootnotes\beginL\fi
8261 \protected@edef\@currentlabel{%
8262 \csname p@mpfootnote\endcsname\@thefnmark}%
8263 \color@begingroup
8264 \@twocolLTRfootfmt{#1}%
8265 \color@endgroup}%
8266 \m@mmf@prepare}
8267 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8268 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8269 \unvbox\@mpfootinsv@r
8270 \def\baselinestretch{\m@m@footnote@spacing}%
8271 \reset@font\RTLfoottextfont
8272 \hsize\columnwidth \@parboxrestore
8273 \protected@edef\@currentlabel{%
8274 \csname p@mpfootnote\endcsname\@thefnmark}%
8275 \color@begingroup
8276 \@twocolRTLfootfmt{#1}%
8277 \color@endgroup}%
8278 \m@mmf@prepare}
8279 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8280 \m@make@twocolfootnotetext{#1}%
8281 \m@make@mptwocolfootnotetext{#1}%
8282 \m@make@twocolfootfmt{#1}%
8283 \m@make@twocol@footgroup{#1}%
8284 \m@make@mptwocol@footgroup{#1}%
8285 \m@make@footstart{#1}%
8286 \bidi@namelongdef{@footnotetext#1}##1{%
8287 \@nameuse{@twocolfootnotetext#1}##1}%
8288 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8289 \@nameuse{@mptwocolfootnotetext#1}##1}%
8290 \@namedef{@footgroup#1}{\@nameuse{@twocol@footgroup#1}}%
8291 \@namedef{@mp@footgroup#1}{\@nameuse{@mptwocol@footgroup#1}}%
8292 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8293 \expandafter\count\csname footins#1\endcsname=500\relax}
8294 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8295 \bidi@namelongdef{@twocolfootnotetext#1}##1{%
8296 \insert\@nameuse{footins#1}{%
8297 \def\baselinestretch{\m@m@footnote@spacing}%
8298 \reset@font\@nameuse{foottextfont#1}%
8299 \@preamfntext
8300 \protected@edef\@currentlabel{%
8301 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%

```



```

8302 \color@begingroup
8303 \@nameuse{@twocolfootfmt#1}{##1}%
8304 \color@endgroup}%
8305 \m@mmf@prepare}}
8306 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8307 \bidi@namelongdef{@mptwocolfootnotetext#1}##1{%
8308 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8309 \unvbox\@nameuse{@mpfootins#1}
8310 \def\baselinestretch{\m@m@footnote@spacing}%
8311 \reset@font\@nameuse{foottextfont#1}%
8312 \hsize\columnwidth \parboxrestore
8313 \protected@edef\@currentlabel{%
8314 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8315 \color@begingroup
8316 \@nameuse{@twocolfootfmt#1}{##1}%
8317 \color@endgroup}\m@mmf@prepare}}
8318 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8319 \@namedef{@twocolfootfmt#1}##1{%
8320 \@preamtwofmt
8321 {\@nameuse{footfootmark#1}\strut
8322 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8323 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8324 \@namedef{@twocol@footgroup#1}{%
8325 \def\baselinestretch{\m@m@footnote@spacing}%
8326 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8327 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8328 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8329 \@namedef{@mptwocol@footgroup#1}{%
8330 \def\baselinestretch{\m@m@footnote@spacing}%
8331 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8332 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8333 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8334 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8335 \let\@footnotetext\@threecolfootnotetext
8336 \let\LTRfootnotetext\@threecolLTRfootnotetext
8337 \let\RTLfootnotetext\@threecolRTLfootnotetext
8338 \dimen\footinsv@r=3\footinsdim
8339 \count\footinsv@r=333\relax
8340 \m@make@threecol@footgroup{v@r}%
8341 \let\@footgroupv@r\@threecol@footgroupv@r
8342 \let\@mpfootnotetext\@mpthreecolfootnotetext
8343 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8344 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8345 \m@make@mpthreecol@footgroup{v@r}%
8346 \let\@mp@footgroupv@r\@mpthreecol@footgroupv@r}
8347 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8348 \def\baselinestretch{\m@m@footnote@spacing}%
8349 \reset@font\foottextfont
8350 \@preamfntext
8351 \protected@edef\@currentlabel{%

```



```

8352   \csname p@footnote\endcsname\@thefnmark}%
8353   \color@begingroup
8354     \@threecolfootfmt{#1}%
8355   \color@endgroup}\m@mmf@prepare}
8356 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8357   \def\baselinestretch{\m@m@footnote@spacing}%
8358   \reset@font\LTRfoottextfont
8359   \@preamfntext
8360   \protected@edef\@currentlabel{%
8361     \csname p@footnote\endcsname\@thefnmark}%
8362   \color@begingroup
8363     \@threecolLTRfootfmt{#1}%
8364   \color@endgroup}\m@mmf@prepare}
8365 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8366   \def\baselinestretch{\m@m@footnote@spacing}%
8367   \reset@font\RTLfoottextfont
8368   \@preamfntext
8369   \protected@edef\@currentlabel{%
8370     \csname p@footnote\endcsname\@thefnmark}%
8371   \color@begingroup
8372     \@threecolRTLfootfmt{#1}%
8373   \color@endgroup}\m@mmf@prepare}
8374 \bidi@ensure@newcommand{\@preamthreefmt}{%
8375   \hspace .3\hspace
8376   \parindent=\z@
8377   \tolerance=5000\relax
8378   \leavevmode}
8379 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8380   \@preamthreefmt
8381   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8382 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8383   \@preamthreefmt
8384   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8385 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8386   \@preamthreefmt
8387   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8388 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8389   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8390     \unvbox\@mpfootinsv@r
8391     \def\baselinestretch{\m@m@footnote@spacing}%
8392     \reset@font\foottextfont
8393     \hspace\columnwidth \@parboxrestore
8394     \protected@edef\@currentlabel{%
8395       \csname p@mpfootnote\endcsname\@thefnmark}%
8396     \color@begingroup
8397       \@threecolfootfmt{#1}%
8398     \color@endgroup}\m@mmf@prepare}
8399 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8400   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8401     \unvbox\@mpfootinsv@r

```



```

8402 \def\baselinestretch{\m@m@footnote@spacing}%
8403 \reset@font\LTRfoottextfont
8404 \hsize\columnwidth \@parboxrestore
8405 \if@RTLcolumnfootnotes\beginL\fi
8406 \protected@edef\@currentlabel{%
8407 \csname p@mpfootnote\endcsname\@thefnmark}%
8408 \color@begingroup
8409 \@threecolLTRfootfmt{#1}%
8410 \color@endgroup}\m@mmf@prepare}
8411 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8412 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8413 \unvbox\@mpfootinsv@r
8414 \def\baselinestretch{\m@m@footnote@spacing}%
8415 \reset@font\RTLfoottextfont
8416 \hsize\columnwidth \@parboxrestore
8417 \protected@edef\@currentlabel{%
8418 \csname p@mpfootnote\endcsname\@thefnmark}%
8419 \color@begingroup
8420 \@threecolRTLfootfmt{#1}%
8421 \color@endgroup}\m@mmf@prepare}
8422 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8423 \m@make@threecolfootnotetext{#1}%
8424 \m@make@mpthreecolfootnotetext{#1}%
8425 \m@make@threecolfootfmt{#1}%
8426 \m@make@threecol@footgroup{#1}%
8427 \m@make@mpthreecol@footgroup{#1}%
8428 \m@make@footstart{#1}%
8429 \bidi@namelongdef{@footnotetext#1}##1{%
8430 \@nameuse{@threecolfootnotetext#1}{##1}}%
8431 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8432 \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
8433 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
8434 \@namedef{mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
8435 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8436 \expandafter\count\csname footins#1\endcsname=333\relax}
8437 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8438 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8439 \insert\@nameuse{footins#1}{%
8440 \def\baselinestretch{\m@m@footnote@spacing}%
8441 \reset@font\@nameuse{foottextfont#1}%
8442 \@preamfntext
8443 \protected@edef\@currentlabel{%
8444 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8445 \color@begingroup
8446 \@nameuse{@threecolfootfmt#1}{##1}%
8447 \color@endgroup}\m@mmf@prepare}}
8448 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8449 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8450 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8451 \unvbox\@nameuse{@mpfootins#1}

```




```

8452 \def\baselinestretch{\m@m@footnote@spacing}%
8453 \reset@font\@nameuse{foottextfont#1}%
8454 \hsize\columnwidth \@parboxrestore
8455 \protected@edef\@currentlabel{%
8456 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8457 \color@begingroup
8458 \@nameuse{@threecolfootfmt#1}{##1}%
8459 \color@endgroup}\m@mmf@prepare}}
8460 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8461 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8462 \@preamthreefmt
8463 {\@nameuse{footfootmark#1}\strut
8464 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8465 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8466 \@namedef{@threecol@footgroup#1}{%
8467 \def\baselinestretch{\m@m@footnote@spacing}%
8468 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8469 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8470 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8471 \@namedef{@mpthreecol@footgroup#1}{%
8472 \def\baselinestretch{\m@m@footnote@spacing}%
8473 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8474 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
8475 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8476 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8477 \let\@footnotetext\@fourcolfootnotetext
8478 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8479 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8480 \dimen\footinsv@r=4\footinsdim
8481 \count\footinsv@r=250\relax
8482 \m@make@fourcol@footgroup{v@r}%
8483 \let\@footgroupv@r\@fourcol@footgroupv@r
8484 \let\@mpfootnotetext\@mpfourcolfootnotetext
8485 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8486 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8487 \m@make@mpfourcol@footgroup{v@r}%
8488 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8489 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8490 \def\baselinestretch{\m@m@footnote@spacing}%
8491 \reset@font\foottextfont
8492 \@preamfntext
8493 \protected@edef\@currentlabel{%
8494 \csname p@footnote\endcsname\@thefnmark}%
8495 \color@begingroup
8496 \@fourcolfootfmt{#1}%
8497 \color@endgroup}%
8498 \m@mmf@prepare}
8499 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnote
8500 \def\baselinestretch{\m@m@footnote@spacing}%
8501 \reset@font\LTRfoottextfont

```



```

8502 \@preamfntext
8503 \protected@edef\@currentlabel{%
8504   \csname p@footnote\endcsname\@thefnmark}%
8505 \color@begingroup
8506   \@fourcolLTRfootfmt{#1}%
8507 \color@endgroup}%
8508 \m@mmf@prepare}
8509 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8510 \def\baselinestretch{\m@m@footnote@spacing}%
8511 \reset@font\RTLfoottextfont
8512 \@preamfntext
8513 \protected@edef\@currentlabel{%
8514   \csname p@footnote\endcsname\@thefnmark}%
8515 \color@begingroup
8516   \@fourcolRTLfootfmt{#1}%
8517 \color@endgroup}%
8518 \m@mmf@prepare}
8519 \bidi@ensure@newcommand{\@preamfourfmt}{%
8520 \hspace .25\hspace
8521 \parindent=\z@
8522 \tolerance=5000\relax
8523 \leavevmode}
8524 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8525 \@preamfourfmt
8526 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8527 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8528 \@preamfourfmt
8529 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8530 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8531 \@preamfourfmt
8532 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8533 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8534 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8535   \unvbox\@mpfootinsv@r
8536   \def\baselinestretch{\m@m@footnote@spacing}%
8537   \reset@font\foottextfont
8538   \hspace\columnwidth \@parboxrestore
8539   \protected@edef\@currentlabel{%
8540     \csname p@mpfootnote\endcsname\@thefnmark}%
8541   \color@begingroup
8542     \@fourcolfootfmt{#1}%
8543   \color@endgroup}%
8544   \m@mmf@prepare}
8545 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8546 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8547   \unvbox\@mpfootinsv@r
8548   \def\baselinestretch{\m@m@footnote@spacing}%
8549   \reset@font\LTRfoottextfont
8550   \hspace\columnwidth \@parboxrestore
8551   \if@RTLcolumnfootnotes\beginL\fi

```



```

8552 \protected@edef\@currentlabel{%
8553 \csname p@mpfootnote\endcsname\@thefnmark}%
8554 \color@begingroup
8555 \@fourcolLTRfootfmt{#1}%
8556 \color@endgroup}%
8557 \m@mmf@prepare}
8558 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8559 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8560 \unvbox\@mpfootinsv@r
8561 \def\baselinestretch{\m@m@footnote@spacing}%
8562 \reset@font\RTLfoottextfont
8563 \hsize\columnwidth \@parboxrestore
8564 \protected@edef\@currentlabel{%
8565 \csname p@mpfootnote\endcsname\@thefnmark}%
8566 \color@begingroup
8567 \@fourcolRTLfootfmt{#1}%
8568 \color@endgroup}%
8569 \m@mmf@prepare}
8570 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8571 \m@make@fourcolfootnotetext{#1}%
8572 \m@make@mpfourcolfootnotetext{#1}%
8573 \m@make@fourcolfootfmt{#1}%
8574 \m@make@fourcol@footgroup{#1}%
8575 \m@make@mpfourcol@footgroup{#1}%
8576 \m@make@footstart{#1}%
8577 \bidi@namelongdef{\@footnotetext#1}##1{%
8578 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
8579 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8580 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
8581 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
8582 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
8583 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8584 \expandafter\count\csname footins#1\endcsname=500\relax}
8585 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8586 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
8587 \insert\@nameuse{footins#1}{%
8588 \def\baselinestretch{\m@m@footnote@spacing}%
8589 \reset@font\@nameuse{foottextfont#1}%
8590 \@preamfntext
8591 \protected@edef\@currentlabel{%
8592 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8593 \color@begingroup
8594 \@nameuse{\@fourcolfootfmt#1}{##1}%
8595 \color@endgroup}%
8596 \m@mmf@prepare}}
8597 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8598 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
8599 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8600 \unvbox\@nameuse{\@mpfootins#1}
8601 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8602 \reset@font\@nameuse{foottextfont#1}%
8603 \hsize\columnwidth \@parboxrestore
8604 \protected@edef\@currentlabel{%
8605 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8606 \color@begingroup
8607 \@nameuse{@fourcolfootfmt#1}##1}%
8608 \color@endgroup}\m@mmf@prepare}}
8609 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8610 \@namedef{@fourcolfootfmt#1}##1{%
8611 \@preamfourfmt
8612 {\@nameuse{footfootmark#1}\strut
8613 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8614 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8615 \@namedef{@fourcol@footgroup#1}{{%
8616 \def\baselinestretch{\m@m@footnote@spacing}%
8617 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8618 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
8619 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8620 \@namedef{@mpfourcol@footgroup#1}{{%
8621 \def\baselinestretch{\m@m@footnote@spacing}%
8622 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8623 \m@mrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
8624 \bidi@ensure@newcommand{fivecolumnfootnotes}{%
8625 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8626 \let\@LTRfootnotetext\@fivecolfootnotetext
8627 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8628 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8629 \dimen\footinsv@r=5\footinsdim
8630 \count\footinsv@r=200\relax
8631 \m@make@fivecol@footgroup{v@r}%
8632 \let\@footgroupv@r\@fivecol@footgroupv@r
8633 \let\@mpfootnotetext\@mpfivecolfootnotetext
8634 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8635 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8636 \m@make@mpfivecol@footgroup{v@r}%
8637 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8638 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8639 \def\baselinestretch{\m@m@footnote@spacing}%
8640 \reset@font\foottextfont
8641 \@preamfntext
8642 \protected@edef\@currentlabel{%
8643 \csname p@footnote\endcsname\@thefnmark}%
8644 \color@begingroup
8645 \@fivecolfootfmt{#1}%
8646 \color@endgroup}%
8647 \m@mmf@prepare}
8648 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnote
8649 \def\baselinestretch{\m@m@footnote@spacing}%
8650 \reset@font\LTRfoottextfont
8651 \@preamfntext

```



```

8652 \protected@edef\@currentlabel{%
8653   \csname p@footnote\endcsname\@thefnmark}%
8654 \color@begingroup
8655   \@fivecolLTRfootfmt{#1}%
8656 \color@endgroup}%
8657 \m@mmf@prepare}
8658 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8659 \def\baselinestretch{\m@m@footnote@spacing}%
8660 \reset@font\RTLfoottextfont
8661 \@preamfntext
8662 \protected@edef\@currentlabel{%
8663   \csname p@footnote\endcsname\@thefnmark}%
8664 \color@begingroup
8665   \@fivecolRTLfootfmt{#1}%
8666 \color@endgroup}%
8667 \m@mmf@prepare}
8668 \bidi@ensure@newcommand{\@preamfivefmt}{%
8669 \hspace .2\hspace
8670 \parindent=\z@
8671 \tolerance=5000\relax
8672 \leavevmode}
8673 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8674 \@preamfivefmt
8675 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8676 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8677 \@preamfivefmt
8678 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8679 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8680 \@preamfivefmt
8681 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8682 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8683 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8684 \unvbox\@mpfootinsv@r
8685 \def\baselinestretch{\m@m@footnote@spacing}%
8686 \reset@font\foottextfont
8687 \hspace\columnwidth \@parboxrestore
8688 \protected@edef\@currentlabel{%
8689   \csname p@mpfootnote\endcsname\@thefnmark}%
8690 \color@begingroup
8691   \@fivecolfootfmt{#1}%
8692 \color@endgroup}%
8693 \m@mmf@prepare}
8694 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8695 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8696 \unvbox\@mpfootinsv@r
8697 \def\baselinestretch{\m@m@footnote@spacing}%
8698 \reset@font\LTRfoottextfont
8699 \hspace\columnwidth \@parboxrestore
8700 \if@RTLcolumnfootnotes\beginL\fi
8701 \protected@edef\@currentlabel{%

```



```

8702     \csname p@mpfootnote\endcsname\@thefnmark}%
8703 \color@begingroup
8704   \@fivecolLTRfootfmt{#1}%
8705 \color@endgroup}%
8706 \m@mmf@prepare}
8707 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8708 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8709   \unvbox\@mpfootinsv@r
8710   \def\baselinestretch{\m@m@footnote@spacing}%
8711   \reset@font\RTLfoottextfont
8712   \hsize\columnwidth \parboxrestore
8713   \protected@edef\@currentlabel{%
8714     \csname p@mpfootnote\endcsname\@thefnmark}%
8715   \color@begingroup
8716     \@fivecolRTLfootfmt{#1}%
8717   \color@endgroup}%
8718 \m@mmf@prepare}
8719 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8720 \m@make@fivecolfootnotetext{#1}%
8721 \m@make@mpfivecolfootnotetext{#1}%
8722 \m@make@fivecolfootfmt{#1}%
8723 \m@make@fivecol@footgroup{#1}%
8724 \m@make@mpfivecol@footgroup{#1}%
8725 \m@make@footstart{#1}%
8726 \bidi@namelongdef{\@footnotetext#1}##1{%
8727   \@nameuse{\@fivecolfootnotetext#1}##1}%
8728 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8729   \@nameuse{\@mpfivecolfootnotetext#1}##1}%
8730 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8731 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
8732 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8733 \expandafter\count\csname footins#1\endcsname=500\relax}
8734 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8735 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
8736   \insert\@nameuse{footins#1}{%
8737     \def\baselinestretch{\m@m@footnote@spacing}%
8738     \reset@font\@nameuse{foottextfont#1}%
8739     \@preamfntext
8740     \protected@edef\@currentlabel{%
8741       \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8742     \color@begingroup
8743       \@nameuse{\@fivecolfootfmt#1}##1}%
8744     \color@endgroup}%
8745   \m@mmf@prepare}}
8746 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8747 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
8748 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8749   \unvbox\@nameuse{\@mpfootins#1}
8750   \def\baselinestretch{\m@m@footnote@spacing}%
8751   \reset@font\@nameuse{foottextfont#1}%

```



```

8752 \hsize\columnwidth \@parboxrestore
8753 \protected@edef\@currentlabel{%
8754 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8755 \color@begingroup
8756 \@nameuse{@fivecolfootfmt#1}##1}%
8757 \color@endgroup}\m@mmf@prepare}}
8758 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8759 \@namedef{@fivecolfootfmt#1}##1{%
8760 \@preamfivefmt
8761 {\@nameuse{footfootmark#1}\strut
8762 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8763 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8764 \@namedef{@fivecol@footgroup#1}{{%
8765 \def\baselinestretch{\m@m@footnote@spacing}%
8766 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8767 \m@r@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8768 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8769 \@namedef{@mpfivecol@footgroup#1}{{%
8770 \def\baselinestretch{\m@m@footnote@spacing}%
8771 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8772 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
8773 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8774 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8775 \let\@footnotetext\@sixcolfootnotetext
8776 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8777 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8778 \dimen\footinsv@r=6\footinsdim
8779 \count\footinsv@r=166\relax
8780 \m@make@sixcol@footgroup{v@r}%
8781 \let\@footgroupv@r\@sixcol@footgroupv@r
8782 \let\@mpfootnotetext\@mpsixcolfootnotetext
8783 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8784 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8785 \m@make@mpsixcol@footgroup{v@r}%
8786 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8787 \bidi@ensure@newcommand{@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8788 \def\baselinestretch{\m@m@footnote@spacing}%
8789 \reset@font\foottextfont
8790 \@preamfntext
8791 \protected@edef\@currentlabel{%
8792 \csname p@footnote\endcsname\@thefnmark}%
8793 \color@begingroup
8794 \@sixcolfootfmt{#1}%
8795 \color@endgroup}%
8796 \m@mmf@prepare}
8797 \bidi@ensure@newcommand{@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8798 \def\baselinestretch{\m@m@footnote@spacing}%
8799 \reset@font\LTRfoottextfont
8800 \@preamfntext
8801 \protected@edef\@currentlabel{%

```



```

8802 \csname p@footnote\endcsname\@thefnmark}%
8803 \color@begingroup
8804 \@sixcolLTRfootfmt{#1}%
8805 \color@endgroup}%
8806 \m@mmf@prepare}
8807 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8808 \def\baselinestretch{\m@m@footnote@spacing}%
8809 \reset@font\RTLfoottextfont
8810 \@preamfntext
8811 \protected@edef\@currentlabel{%
8812 \csname p@footnote\endcsname\@thefnmark}%
8813 \color@begingroup
8814 \@sixcolRTLfootfmt{#1}%
8815 \color@endgroup}%
8816 \m@mmf@prepare}
8817 \bidi@ensure@newcommand{\@preamsixfmt}{%
8818 \hsize .16\hsize
8819 \parindent=\z@
8820 \tolerance=5000\relax
8821 \leavevmode}
8822 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8823 \@preamsixfmt
8824 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8825 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8826 \@preamsixfmt
8827 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8828 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8829 \@preamsixfmt
8830 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8831 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8832 \global\setbox\@mpfootinsv@r\vbox{%
8833 \unvbox\@mpfootinsv@r
8834 \def\baselinestretch{\m@m@footnote@spacing}%
8835 \reset@font\foottextfont
8836 \hsize\columnwidth \@parboxrestore
8837 \protected@edef\@currentlabel{%
8838 \csname p@mpfootnote\endcsname\@thefnmark}%
8839 \color@begingroup
8840 \@sixcolfootfmt{#1}%
8841 \color@endgroup}%
8842 \m@mmf@prepare}
8843 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8844 \global\setbox\@mpfootinsv@r\vbox{%
8845 \unvbox\@mpfootinsv@r
8846 \def\baselinestretch{\m@m@footnote@spacing}%
8847 \reset@font\LTRfoottextfont
8848 \hsize\columnwidth \@parboxrestore
8849 \if@RTLcolumnfootnotes\beginL\fi
8850 \protected@edef\@currentlabel{%
8851 \csname p@mpfootnote\endcsname\@thefnmark}%

```




```

8852 \color@begingroup
8853   \@sixcolLTRfootfmt{#1}%
8854 \color@endgroup}%
8855 \m@mmf@prepare}
8856 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8857 \global\setbox\@mpfootinsv@r\vbox{%
8858   \unvbox\@mpfootinsv@r
8859   \def\baselinestretch{\m@m@footnote@spacing}%
8860   \reset@font\RTLfoottextfont
8861   \hsize\columnwidth \@parboxrestore
8862   \protected@edef\@currentlabel{%
8863     \csname p@mpfootnote\endcsname \@thefnmark}%
8864 \color@begingroup
8865   \@sixcolRTLfootfmt{#1}%
8866 \color@endgroup}%
8867 \m@mmf@prepare}
8868 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8869 \m@make@sixcolfootnotetext{#1}%
8870 \m@make@mpsixcolfootnotetext{#1}%
8871 \m@make@sixcolfootfmt{#1}%
8872 \m@make@sixcol@footgroup{#1}%
8873 \m@make@mpsixcol@footgroup{#1}%
8874 \m@make@footstart{#1}%
8875 \bidi@namelongdef{\footnotetext#1}##1{%
8876   \@nameuse{@sixcolfootnotetext#1}{##1}}%
8877 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8878   \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
8879 \@namedef{\footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8880 \@namedef{\mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8881 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8882 \expandafter\count\csname footins#1\endcsname=500\relax}
8883 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8884 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8885   \insert\@nameuse{footins#1}{%
8886     \def\baselinestretch{\m@m@footnote@spacing}%
8887     \reset@font\@nameuse{foottextfont#1}%
8888     \@preamfntext
8889     \protected@edef\@currentlabel{%
8890       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8891     \color@begingroup
8892     \@nameuse{@sixcolfootfmt#1}{##1}}%
8893   \color@endgroup}%
8894 \m@mmf@prepare}}
8895 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8896 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8897 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8898   \unvbox\@nameuse{@mpfootins#1}
8899   \def\baselinestretch{\m@m@footnote@spacing}%
8900   \reset@font\@nameuse{foottextfont#1}%
8901   \hsize\columnwidth \@parboxrestore

```



```

8902 \protected@edef\@currentlabel{%
8903 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8904 \color@begingroup
8905 \@nameuse{@sixcolfootfmt#1}{##1}%
8906 \color@endgroup}\m@mmf@prepare}}
8907 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8908 \@namedef{@sixcolfootfmt#1}{##1}{%
8909 \@preamsixfmt
8910 {\@nameuse{footfootmark#1}\strut
8911 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8912 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8913 \@namedef{@sixcol@footgroup#1}{%
8914 \def\baselinestretch{\m@m@footnote@spacing}%
8915 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8916 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
8917 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8918 \@namedef{@mpsixcol@footgroup#1}{%
8919 \def\baselinestretch{\m@m@footnote@spacing}%
8920 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8921 \m@mrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
8922 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8923 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8924 \let\@footnotetext\@sevendcolfootnotetext
8925 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8926 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8927 \dimen\footinsv@r=7\footinsdim
8928 \count\footinsv@r=142\relax
8929 \m@make@sevendcol@footgroup{v@r}%
8930 \let\@footgroupv@r\@sevendcol@footgroupv@r
8931 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8932 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8933 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8934 \m@make@mpsevendcol@footgroup{v@r}%
8935 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
8936 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8937 \def\baselinestretch{\m@m@footnote@spacing}%
8938 \reset@font\foottextfont
8939 \@preamfntext
8940 \protected@edef\@currentlabel{%
8941 \csname p@footnote\endcsname\@thefnmark}%
8942 \color@begingroup
8943 \@sevendcolfootfmt{##1}%
8944 \color@endgroup}%
8945 \m@mmf@prepare}
8946 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8947 \def\baselinestretch{\m@m@footnote@spacing}%
8948 \reset@font\LTRfoottextfont
8949 \@preamfntext
8950 \protected@edef\@currentlabel{%
8951 \csname p@footnote\endcsname\@thefnmark}%

```



```

8952 \color@begingroup
8953   \@sevenscolLTRfootfmt{#1}%
8954 \color@endgroup}%
8955 \m@mmf@prepare}
8956 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8957 \def\baselinestretch{\m@m@footnote@spacing}%
8958 \reset@font\RTLfoottextfont
8959 \@preamfntext
8960 \protected@edef\@currentlabel{%
8961   \csname p@footnote\endcsname\@thefnmark}%
8962 \color@begingroup
8963   \@sevenscolRTLfootfmt{#1}%
8964 \color@endgroup}%
8965 \m@mmf@prepare}
8966 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8967 \hsize .142\hsize
8968 \parindent=\z@
8969 \tolerance=5000\relax
8970 \leavevmode}
8971 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
8972 \@preamsevenfmt
8973 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8974 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
8975 \@preamsevenfmt
8976 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8977 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
8978 \@preamsevenfmt
8979 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8980 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8981 \global\setbox\@mpfootinsv@r\vbox{%
8982   \unvbox\@mpfootinsv@r
8983   \def\baselinestretch{\m@m@footnote@spacing}%
8984   \reset@font\foottextfont
8985   \hsize\columnwidth \@parboxrestore
8986   \protected@edef\@currentlabel{%
8987     \csname p@mpfootnote\endcsname\@thefnmark}%
8988 \color@begingroup
8989   \@sevenscolfootfmt{#1}%
8990 \color@endgroup}%
8991 \m@mmf@prepare}
8992 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
8993 \global\setbox\@mpfootinsv@r\vbox{%
8994   \unvbox\@mpfootinsv@r
8995   \def\baselinestretch{\m@m@footnote@spacing}%
8996   \reset@font\LTRfoottextfont
8997   \hsize\columnwidth \@parboxrestore
8998   \if@RTLcolumnfootnotes\beginL\fi
8999   \protected@edef\@currentlabel{%
9000     \csname p@mpfootnote\endcsname\@thefnmark}%
9001 \color@begingroup

```



```

9002   \@sevenscollTRfootfmt{#1}%
9003   \color@endgroup}%
9004   \m@mmf@prepare}
9005 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9006 \global\setbox\@mpfootinsv@r\vbox{%
9007   \unvbox\@mpfootinsv@r
9008   \def\baselinestretch{\m@m@footnote@spacing}%
9009   \reset@font\RTLfoottextfont
9010   \hsize\columnwidth \@parboxrestore
9011   \protected@edef\@currentlabel{%
9012     \csname p@mpfootnote\endcsname\@thefnmark}%
9013   \color@begingroup
9014   \@sevenscolRTLfootfmt{#1}%
9015   \color@endgroup}%
9016   \m@mmf@prepare}
9017 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9018   \m@make@sevenscolfootnotetext{#1}%
9019   \m@make@mpsevenscolfootnotetext{#1}%
9020   \m@make@sevenscolfootfmt{#1}%
9021   \m@make@sevenscol@footgroup{#1}%
9022   \m@make@mpsevenscol@footgroup{#1}%
9023   \m@make@footstart{#1}%
9024   \bidi@namelongdef{\@footnotetext#1}##1{%
9025     \@nameuse{\sevenscolfootnotetext#1}{##1}}%
9026   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9027     \@nameuse{\mpsevenscolfootnotetext#1}{##1}}%
9028   \@namedef{\@footgroup#1}{\@nameuse{\sevenscol@footgroup#1}}%
9029   \@namedef{\mp@footgroup#1}{\@nameuse{\mpsevenscol@footgroup#1}}%
9030   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9031   \expandafter\count\csname footins#1\endcsname=500\relax}
9032 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9033   \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
9034     \insert\@nameuse{footins#1}{%
9035       \def\baselinestretch{\m@m@footnote@spacing}%
9036       \reset@font\@nameuse{foottextfont#1}%
9037       \@preamfntext
9038       \protected@edef\@currentlabel{%
9039         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9040       \color@begingroup
9041       \@nameuse{\sevenscolfootfmt#1}{##1}%
9042       \color@endgroup}%
9043     \m@mmf@prepare}}
9044 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9045   \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
9046     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9047       \unvbox\@nameuse{\mpfootins#1}
9048       \def\baselinestretch{\m@m@footnote@spacing}%
9049       \reset@font\@nameuse{foottextfont#1}%
9050       \hsize\columnwidth \@parboxrestore
9051       \protected@edef\@currentlabel{%

```



```

9052     \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9053 \color@begingroup
9054   \@nameuse{@sevendcolfootfmt#1}-{##1}%
9055 \color@endgroup}\m@mmf@prepare}
9056 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
9057   \@namedef{@sevendcolfootfmt#1}##1{%
9058     \@preamsevenfmt
9059     {\@nameuse{footfootmark#1}\strut
9060     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9061 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9062   \@namedef{@sevendcol@footgroup#1}{%
9063     \def\baselinestretch{\m@m@footnote@spacing}%
9064     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9065     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9066 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9067   \@namedef{@mpsevendcol@footgroup#1}{%
9068     \def\baselinestretch{\m@m@footnote@spacing}%
9069     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9070     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9071 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9072   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9073   \let\@footnotetext\@eightcolfootnotetext
9074   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9075   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9076   \dimen\footinsv@r=8\footinsdim
9077   \count\footinsv@r=125\relax
9078   \m@make@eightcol@footgroup{v@r}%
9079   \let\@footgroupv@r\@eightcol@footgroupv@r
9080   \let\@mpfootnotetext\@mpeightcolfootnotetext
9081   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9082   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9083   \m@make@mpeightcol@footgroup{v@r}%
9084   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9085 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9086   \def\baselinestretch{\m@m@footnote@spacing}%
9087   \reset@font\foottextfont
9088   \@preamfntext
9089   \protected@edef\@currentlabel{%
9090     \csname p@footnote\endcsname\@thefnmark}%
9091   \color@begingroup
9092     \@eightcolfootfmt{#1}%
9093   \color@endgroup}%
9094   \m@mmf@prepare}
9095 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9096   \def\baselinestretch{\m@m@footnote@spacing}%
9097   \reset@font\LTRfoottextfont
9098   \@preamfntext
9099   \protected@edef\@currentlabel{%
9100     \csname p@footnote\endcsname\@thefnmark}%
9101   \color@begingroup

```



```

g102 \eightcolLTRfootfmt{#1}%
g103 \color@endgroup}%
g104 \m@mmf@prepare}
g105 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g106 \def\baselinestretch{\m@m@footnote@spacing}%
g107 \reset@font\RTLfoottextfont
g108 \@preamfntext
g109 \protected@edef\@currentlabel{%
g110 \csname p@footnote\endcsname\@thefnmark}%
g111 \color@begingroup
g112 \@eightcolRTLfootfmt{#1}%
g113 \color@endgroup}%
g114 \m@mmf@prepare}
g115 \bidi@ensure@newcommand{\@preameightfmt}{%
g116 \hspace .125\hspace
g117 \parindent=\z@
g118 \tolerance=5000\relax
g119 \leavevmode}
g120 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
g121 \@preameightfmt
g122 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g123 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
g124 \@preameightfmt
g125 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g126 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
g127 \@preameightfmt
g128 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g129 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
g130 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g131 \unvbox\@mpfootinsv@r
g132 \def\baselinestretch{\m@m@footnote@spacing}%
g133 \reset@font\foottextfont
g134 \hspace\columnwidth \@parboxrestore
g135 \protected@edef\@currentlabel{%
g136 \csname p@mpfootnote\endcsname\@thefnmark}%
g137 \color@begingroup
g138 \@eightcolfootfmt{#1}%
g139 \color@endgroup}%
g140 \m@mmf@prepare}
g141 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
g142 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
g143 \unvbox\@mpfootinsv@r
g144 \def\baselinestretch{\m@m@footnote@spacing}%
g145 \reset@font\LTRfoottextfont
g146 \hspace\columnwidth \@parboxrestore
g147 \if@RTLcolumnfootnotes\beginL\fi
g148 \protected@edef\@currentlabel{%
g149 \csname p@mpfootnote\endcsname\@thefnmark}%
g150 \color@begingroup
g151 \@eightcolLTRfootfmt{#1}%

```



```

9152 \color@endgroup}%
9153 \m@mmf@prepare}
9154 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9155 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9156 \unvbox\@mpfootinsv@r
9157 \def\baselinestretch{\m@m@footnote@spacing}%
9158 \reset@font\RTLfoottextfont
9159 \hsize\columnwidth \@parboxrestore
9160 \protected@edef\@currentlabel{%
9161 \csname p@mpfootnote\endcsname\@thefnmark}%
9162 \color@begingroup
9163 \@eightcolRTLfootfmt{#1}%
9164 \color@endgroup}%
9165 \m@mmf@prepare}
9166 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9167 \m@make@eightcolfootnotetext{#1}%
9168 \m@make@mpeightcolfootnotetext{#1}%
9169 \m@make@eightcolfootfmt{#1}%
9170 \m@make@eightcol@footgroup{#1}%
9171 \m@make@mpeightcol@footgroup{#1}%
9172 \m@make@footstart{#1}%
9173 \bidi@namelongdef{@footnotetext#1}##1{%
9174 \nameuse{@eightcolfootnotetext#1}{##1}}%
9175 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9176 \nameuse{@mpeightcolfootnotetext#1}{##1}}%
9177 \@namedef{@footgroup#1}{\nameuse{@eightcol@footgroup#1}}%
9178 \@namedef{mp@footgroup#1}{\nameuse{@mpeightcol@footgroup#1}}%
9179 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9180 \expandafter\count\csname footins#1\endcsname=500\relax}
9181 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9182 \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9183 \insert\@nameuse{footins#1}{%
9184 \def\baselinestretch{\m@m@footnote@spacing}%
9185 \reset@font\@nameuse{foottextfont#1}%
9186 \@preamfntext
9187 \protected@edef\@currentlabel{%
9188 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9189 \color@begingroup
9190 \nameuse{@eightcolfootfmt#1}{##1}%
9191 \color@endgroup}%
9192 \m@mmf@prepare}}
9193 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9194 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9195 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9196 \unvbox\@nameuse{@mpfootins#1}
9197 \def\baselinestretch{\m@m@footnote@spacing}%
9198 \reset@font\@nameuse{foottextfont#1}%
9199 \hsize\columnwidth \@parboxrestore
9200 \protected@edef\@currentlabel{%
9201 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%

```



```

9202 \color@begingroup
9203   \@nameuse{@eightcolfootfmt#1}{##1}%
9204 \color@endgroup}\m@mmf@prepare}}
9205 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9206   \@namedef{@eightcolfootfmt#1}{##1}{%
9207     \@preameightfmt
9208     {\@nameuse{footfootmark#1}\strut
9209     {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9210 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9211   \@namedef{@eightcol@footgroup#1}{%
9212     \def\baselinestretch{\m@m@footnote@spacing}%
9213     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9214     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9215 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9216   \@namedef{@mpeightcol@footgroup#1}{%
9217     \def\baselinestretch{\m@m@footnote@spacing}%
9218     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9219     \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9220 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9221   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9222   \let\@footnotetext\@ninecolfootnotetext
9223   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9224   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9225   \dimen\footinsv@r=9\footinsdim
9226   \count\footinsv@r=111\relax
9227   \m@make@ninecol@footgroup{v@r}%
9228   \let\@footgroupv@r\@ninecol@footgroupv@r
9229   \let\@mpfootnotetext\@mpninecolfootnotetext
9230   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9231   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9232   \m@make@mpninecol@footgroup{v@r}%
9233   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9234 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9235   \def\baselinestretch{\m@m@footnote@spacing}%
9236   \reset@font\foottextfont
9237   \@preamfntext
9238   \protected@edef\@currentlabel{%
9239     \csname p@footnote\endcsname\@thefnmark}%
9240 \color@begingroup
9241   \@ninecolfootfmt{#1}%
9242 \color@endgroup}%
9243 \m@mmf@prepare}
9244 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9245   \def\baselinestretch{\m@m@footnote@spacing}%
9246   \reset@font\LTRfoottextfont
9247   \@preamfntext
9248   \protected@edef\@currentlabel{%
9249     \csname p@footnote\endcsname\@thefnmark}%
9250 \color@begingroup
9251   \@ninecolLTRfootfmt{#1}%

```




```

9252 \color@endgroup}%
9253 \m@mmf@prepare}
9254 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9255 \def\baselinestretch{\m@m@footnote@spacing}%
9256 \reset@font\RTLfoottextfont
9257 \@preamfntext
9258 \protected@edef\@currentlabel{%
9259 \csname p@footnote\endcsname\@thefnmark}%
9260 \color@begingroup
9261 \@ninecolRTLfootfmt{#1}%
9262 \color@endgroup}%
9263 \m@mmf@prepare}
9264 \bidi@ensure@newcommand{\@preamninefmt}{%
9265 \hspace .1\hspace
9266 \parindent=\z@
9267 \tolerance=5000\relax
9268 \leavevmode}
9269 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9270 \@preamninefmt
9271 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9272 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9273 \@preamninefmt
9274 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9275 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9276 \@preamninefmt
9277 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9278 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9279 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9280 \unvbox\@mpfootinsv@r
9281 \def\baselinestretch{\m@m@footnote@spacing}%
9282 \reset@font\foottextfont
9283 \hspace\columnwidth \@parboxrestore
9284 \protected@edef\@currentlabel{%
9285 \csname p@mpfootnote\endcsname\@thefnmark}%
9286 \color@begingroup
9287 \@ninecolfootfmt{#1}%
9288 \color@endgroup}%
9289 \m@mmf@prepare}
9290 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9291 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9292 \unvbox\@mpfootinsv@r
9293 \def\baselinestretch{\m@m@footnote@spacing}%
9294 \reset@font\LTRfoottextfont
9295 \hspace\columnwidth \@parboxrestore
9296 \if@RTLcolumnfootnotes\beginL\fi
9297 \protected@edef\@currentlabel{%
9298 \csname p@mpfootnote\endcsname\@thefnmark}%
9299 \color@begingroup
9300 \@ninecolLTRfootfmt{#1}%
9301 \color@endgroup}%

```



```

9302 \m@mmf@prepare}
9303 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9304 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9305 \unvbox\@mpfootinsv@r
9306 \def\baselinestretch{\m@m@footnote@spacing}%
9307 \reset@font\RTLfoottextfont
9308 \hsize\columnwidth \@parboxrestore
9309 \protected@edef\@currentlabel{%
9310 \csname p@mpfootnote\endcsname\@thefnmark}%
9311 \color@begingroup
9312 \@ninecolRTLfootfmt{#1}%
9313 \color@endgroup}%
9314 \m@mmf@prepare}
9315 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9316 \m@make@ninecolfootnotetext{#1}%
9317 \m@make@mpninecolfootnotetext{#1}%
9318 \m@make@ninecolfootfmt{#1}%
9319 \m@make@ninecol@footgroup{#1}%
9320 \m@make@mpninecol@footgroup{#1}%
9321 \m@make@footstart{#1}%
9322 \bidi@namelongdef{\footnotetext#1}##1{%
9323 \nameuse{\@ninecolfootnotetext#1}{##1}}%
9324 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9325 \nameuse{\@mpninecolfootnotetext#1}{##1}}%
9326 \@namedef{\@footgroup#1}{\nameuse{\@ninecol@footgroup#1}}%
9327 \@namedef{\mp@footgroup#1}{\nameuse{\@mpninecol@footgroup#1}}%
9328 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9329 \expandafter\count\csname footins#1\endcsname=500\relax}
9330 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9331 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9332 \insert\@nameuse{footins#1}{%
9333 \def\baselinestretch{\m@m@footnote@spacing}%
9334 \reset@font\@nameuse{foottextfont#1}%
9335 \@preamfntext
9336 \protected@edef\@currentlabel{%
9337 \csname p@footnote#1\endcsname \nameuse{\@thefnmark#1}}%
9338 \color@begingroup
9339 \nameuse{\@ninecolfootfmt#1}{##1}%
9340 \color@endgroup}%
9341 \m@mmf@prepare}}
9342 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9343 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
9344 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9345 \unvbox\@nameuse{\@mpfootins#1}
9346 \def\baselinestretch{\m@m@footnote@spacing}%
9347 \reset@font\@nameuse{foottextfont#1}%
9348 \hsize\columnwidth \@parboxrestore
9349 \protected@edef\@currentlabel{%
9350 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9351 \color@begingroup

```



```

9352 \nameuse{@ninecolfootfmt#1}{##1}%
9353 \color@endgroup}\m@mmf@prepare}}
9354 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9355 \namedef{@ninecolfootfmt#1}##1{%
9356 \@preamninefmt
9357 {\@nameuse{footfootmark#1}\strut
9358 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9359 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9360 \namedef{@ninecol@footgroup#1}{%
9361 \def\baselinestretch{\m@make@footnote@spacing}%
9362 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9363 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
9364 \bidi@ensure@newcommand{\m@make@mp@ninecol@footgroup}[1]{%
9365 \namedef{@mp@ninecol@footgroup#1}{%
9366 \def\baselinestretch{\m@make@footnote@spacing}%
9367 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9368 \m@r@rigidbalance{\@nameuse{mp@footins#1}}{9}{\splittopskip}}}}
9369 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9370 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9371 \let\@footnotetext\@tencolfootnotetext
9372 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9373 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9374 \dimen\footinsv@r=10\footinsdim
9375 \count\footinsv@r=100\relax
9376 \m@make@tencol@footgroup{v@r}%
9377 \let\@footgroupv@r\@tencol@footgroupv@r
9378 \let\@mp@footnotetext\@mptencolfootnotetext
9379 \let\@mp@LTRfootnotetext\@mptencolLTRfootnotetext
9380 \let\@mp@RTLfootnotetext\@mptencolRTLfootnotetext
9381 \m@make@mptencol@footgroup{v@r}%
9382 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9383 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9384 \def\baselinestretch{\m@make@footnote@spacing}%
9385 \reset@font\foottextfont
9386 \@preamfntext
9387 \protected@edef\@currentlabel{%
9388 \csname p@footnote\endcsname\@thefnmark}%
9389 \color@begingroup
9390 \@tencolfootfmt{#1}%
9391 \color@endgroup}%
9392 \m@mmf@prepare}
9393 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnotes
9394 \def\baselinestretch{\m@make@footnote@spacing}%
9395 \reset@font\LTRfoottextfont
9396 \@preamfntext
9397 \protected@edef\@currentlabel{%
9398 \csname p@footnote\endcsname\@thefnmark}%
9399 \color@begingroup
9400 \@tencolLTRfootfmt{#1}%
9401 \color@endgroup}%

```



```

9402 \m@mmf@prepare}
9403 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9404 \def\baselinestretch{\m@m@footnote@spacing}%
9405 \reset@font\RTLfoottextfont
9406 \@preamfntext
9407 \protected@edef\@currentlabel{%
9408 \csname p@footnote\endcsname\@thefnmark}%
9409 \color@begingroup
9410 \@tencolRTLfootfmt{#1}%
9411 \color@endgroup}%
9412 \m@mmf@prepare}
9413 \bidi@ensure@newcommand{\@preamtenfmt}{%
9414 \hspace .1\hspace
9415 \parindent=\z@
9416 \tolerance=5000\relax
9417 \leavevmode}
9418 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9419 \@preamtenfmt
9420 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9421 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9422 \@preamtenfmt
9423 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9424 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9425 \@preamtenfmt
9426 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9427 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9428 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9429 \unvbox\@mpfootinsv@r
9430 \def\baselinestretch{\m@m@footnote@spacing}%
9431 \reset@font\foottextfont
9432 \hspace\columnwidth \@parboxrestore
9433 \protected@edef\@currentlabel{%
9434 \csname p@mpfootnote\endcsname\@thefnmark}%
9435 \color@begingroup
9436 \@tencolfootfmt{#1}%
9437 \color@endgroup}%
9438 \m@mmf@prepare}
9439 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9440 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9441 \unvbox\@mpfootinsv@r
9442 \def\baselinestretch{\m@m@footnote@spacing}%
9443 \reset@font\LTRfoottextfont
9444 \hspace\columnwidth \@parboxrestore
9445 \if@RTLcolumnfootnotes\beginL\fi
9446 \protected@edef\@currentlabel{%
9447 \csname p@mpfootnote\endcsname\@thefnmark}%
9448 \color@begingroup
9449 \@tencolLTRfootfmt{#1}%
9450 \color@endgroup}%
9451 \m@mmf@prepare}

```



```

9452 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9453   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9454     \unvbox\@mpfootinsv@r
9455     \def\baselinestretch{\m@m@footnote@spacing}%
9456     \reset@font\RTLfoottextfont
9457     \hsize\columnwidth \@parboxrestore
9458     \protected@edef\@currentlabel{%
9459       \csname p@mpfootnote\endcsname\@thefnmark}%
9460     \color@begingroup
9461     \@tencolRTLfootfmt{#1}%
9462     \color@endgroup}%
9463   \m@mmf@prepare}
9464 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9465   \m@make@tencolfootnotetext{#1}%
9466   \m@make@mptencolfootnotetext{#1}%
9467   \m@make@tencolfootfmt{#1}%
9468   \m@make@tencol@footgroup{#1}%
9469   \m@make@mptencol@footgroup{#1}%
9470   \m@make@footstart{#1}%
9471   \bidi@namelongdef{\@footnotetext#1}##1{%
9472     \@nameuse{\@tencolfootnotetext#1}{##1}}%
9473   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9474     \@nameuse{\@mptencolfootnotetext#1}{##1}}%
9475   \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
9476   \@namedef{\mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
9477   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9478   \expandafter\count\csname footins#1\endcsname=500\relax}
9479 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9480   \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
9481     \insert\@nameuse{footins#1}{%
9482       \def\baselinestretch{\m@m@footnote@spacing}%
9483       \reset@font\@nameuse{foottextfont#1}%
9484       \@preamfntext
9485       \protected@edef\@currentlabel{%
9486         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9487       \color@begingroup
9488         \@nameuse{\@tencolfootfmt#1}{##1}%
9489       \color@endgroup}%
9490     \m@mmf@prepare}}
9491 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9492   \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
9493     \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9494       \unvbox\@nameuse{\@mpfootins#1}
9495       \def\baselinestretch{\m@m@footnote@spacing}%
9496       \reset@font\@nameuse{foottextfont#1}%
9497       \hsize\columnwidth \@parboxrestore
9498       \protected@edef\@currentlabel{%
9499         \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9500       \color@begingroup
9501         \@nameuse{\@tencolfootfmt#1}{##1}%

```



```

9502 \color@endgroup}\m@mmf@prepare}}
9503 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9504 \@namedef{@tencolfootfmt#1}##1{%
9505 \@preamtenfmt
9506 {\@nameuse{footfootmark#1}\strut
9507 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9508 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9509 \@namedef{@tencol@footgroup#1}{%
9510 \def\baselinestretch{\m@m@footnote@spacing}%
9511 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9512 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9513 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9514 \@namedef{@mptencol@footgroup#1}{%
9515 \def\baselinestretch{\m@m@footnote@spacing}%
9516 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9517 \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
9518 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9519 \setbox0=\vbox{\unvbox#1%
9520 \global\setbox1=\lastbox}%
9521 \unhbox1
9522 \unskip
9523 \unskip
9524 \unpenalty
9525 \hskip\m@mipn@skip}
9526 \bidi@ensure@newcommand{\m@mungebox}{%
9527 \setbox0=\hbox{\m@munvxh0}%
9528 \dp0=\z@
9529 \ht0=\footfudgefactor\wd0
9530 \box0
9531 \penalty0}
9532 \newskip\m@mipn@skip
9533 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
9534 {\foottextfont\global\m@mipn@skip=#1\relax}}
9535 \m@minterparanoteglue{1em plus .4em minus .4em}
9536 \@ifpackageloaded{multicol}{%
9537 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9538 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9539 \hsize\textwidth%
9540 \setbox0=\hbox{}%
9541 \loop
9542 \unpenalty
9543 \setbox2=\lastbox
9544 \ifhbox2
9545 \setbox0=\hbox{\box2\unhbox0}
9546 \repeat}
9547 }{%
9548 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9549 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9550 \setbox0=\hbox{}%
9551 \loop

```



```

9552     \unpenalty
9553     \setbox2=\lastbox
9554     \ifhbox2
9555         \setbox0=\hbox{\box2\unhbox0}
9556     \repeat}}
9557 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9558     \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9559 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9560 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9561     \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9562     \let\@footnotetext\@parafootnotetext
9563     \let\@LTRfootnotetext\@paraLTRfootnotetext
9564     \let\@RTLfootnotetext\@paraRTLfootnotetext
9565     \dimen\footinsv@r=\footinsdim
9566     \count\footinsv@r=1000\relax
9567     \m@make@para@footgroup{v@r}%
9568     \let\@footgroupv@r\@para@footgroupv@r
9569     \let\@mpfootnotetext\@mpparafootnotetext
9570     \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9571     \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9572     \m@make@mppara@footgroup{v@r}%
9573     \let\mp@footgroupv@r\@mppara@footgroupv@r
9574     {\def\baselinestretch{\m@m@footnote@spacing}%
9575     \foottextfont
9576     \dimen0=\baselineskip
9577     \multiply\dimen0 by 1024
9578     \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9579     \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9580 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9581     \let\bidi@RTL@everypar\@empty%
9582     \def\baselinestretch{\m@m@footnote@spacing}%
9583     \reset@font\foottextfont
9584     \@preamfntext
9585     \protected@edef\@currentlabel{%
9586     \csname p@footnote\endcsname\@thefnmark}%
9587     \setbox0=\vbox{\hsize=\maxdimen
9588     \color@begingroup
9589     \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9590     \color@endgroup}%
9591     \m@mungebox}\m@m@mmf@prepare}
9592 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9593     \let\bidi@RTL@everypar\@empty%
9594     \def\baselinestretch{\m@m@footnote@spacing}%
9595     \reset@font\LTRfoottextfont
9596     \@preamfntext
9597     \protected@edef\@currentlabel{%
9598     \csname p@footnote\endcsname\@thefnmark}%
9599     \setbox0=\vbox{\hsize=\maxdimen
9600     \color@begingroup
9601     \noindent \@paraLTRfootfmt{\beginL#1\endL}}%

```



```

9602   \color@endgroup}%
9603   \m@mungebox}\m@mmf@prepare}
9604 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9605   \let\bidi@RTL@everypar\@empty%
9606   \def\baselinestretch{\m@m@footnote@spacing}%
9607   \reset@font\RTLfoottextfont
9608   \@preamfntext
9609   \protected@edef\@currentlabel{%
9610     \csname p@footnote\endcsname\@thefnmark}%
9611   \setbox0=\vbox{\hsize=\maxdimen
9612     \color@begingroup
9613     \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9614     \color@endgroup}%
9615   \m@mungebox}\m@mmf@prepare}
9616 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9617   \parindent=\z@
9618   \parfillskip=Opt \@plus 1fil
9619   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9620 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9621   \parindent=\z@
9622   \parfillskip=Opt \@plus 1fil
9623   {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9624 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9625   \parindent=\z@
9626   \parfillskip=Opt \@plus 1fil
9627   {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9628 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9629   \global\setbox\@mpfootinsv@r\vbox{%
9630     \let\bidi@RTL@everypar\@empty%
9631     \unvbox\@mpfootinsv@r
9632     \def\baselinestretch{\m@m@footnote@spacing}%
9633     \reset@font\foottextfont
9634     \hsize\columnwidth \@parboxrestore
9635     \protected@edef\@currentlabel{%
9636       \csname p@mpfootnote\endcsname\@thefnmark}%
9637     \setbox0=\vbox{\hsize=\maxdimen
9638       \color@begingroup
9639       \noindent \@parafootfmt{\ifRTL@footnote\beginR\else\beginL\fi#1\ifRTL@footnote\endR\else
9640         \color@endgroup}%
9641     \m@mungebox}\m@mmf@prepare}
9642 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9643   \global\setbox\@mpfootinsv@r\vbox{%
9644     \let\bidi@RTL@everypar\@empty%
9645     \unvbox\@mpfootinsv@r
9646     \def\baselinestretch{\m@m@footnote@spacing}%
9647     \reset@font\LTRfoottextfont
9648     \hsize\columnwidth \@parboxrestore
9649     \protected@edef\@currentlabel{%
9650       \csname p@mpfootnote\endcsname\@thefnmark}%
9651     \setbox0=\vbox{\hsize=\maxdimen

```




```

9652     \color@begingroup
9653     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9654     \color@endgroup}%
9655 \m@mungebox}\m@mmf@prepare}
9656 \bidi@ensure@newcommand{\m@pparaRTLfootnotetext}[1]{%
9657 \global\setbox\@mpfootinsv@r\vbox{%
9658 \let\bidi@RTL@everypar\@empty%
9659 \unvbox\@mpfootinsv@r
9660 \def\baselinestretch{\m@m@footnote@spacing}%
9661 \reset@font\RTLfoottextfont
9662 \hsize\columnwidth \@parboxrestore
9663 \protected@edef\@currentlabel{%
9664 \csname p@mpfootnote\endcsname\@thefnmark}%
9665 \setbox0=\vbox{\hsize=\maxdimen
9666 \color@begingroup
9667 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9668 \color@endgroup}%
9669 \m@mungebox}\m@mmf@prepare}
9670 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9671 \m@make@parafootnotetext{#1}%
9672 \m@make@mpparafootnotetext{#1}%
9673 \m@make@parafootfmt{#1}%
9674 \m@make@para@footgroup{#1}%
9675 \m@make@mppara@footgroup{#1}%
9676 \m@make@para@footstart{#1}%
9677 \bidi@namelongdef{\@footnotetext#1}##1{%
9678 \@nameuse{\@parafootnotetext#1}{##1}}%
9679 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9680 \@nameuse{\@mpparafootnotetext#1}{##1}}%
9681 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9682 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9683 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9684 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9685 \expandafter\count\csname footins#1\endcsname=1000\relax
9686 {\def\baselinestretch{\m@m@footnote@spacing}%
9687 \@nameuse{foottextfont#1}}%
9688 \dimen0=\baselineskip
9689 \multiply\dimen0 by 1024
9690 \divide\dimen0 by \hsize \multiply\dimen0 by 64
9691 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9692 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9693 \bidi@namelongdef{\@parafootnotetext#1}##1{%
9694 \insert\@nameuse{footins#1}{
9695 \def\baselinestretch{\m@m@footnote@spacing}%
9696 \reset@font\@nameuse{foottextfont#1}%
9697 \@preamfntext
9698 \protected@edef\@currentlabel{%
9699 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9700 \setbox0=\vbox{\hsize=\maxdimen
9701 \color@begingroup

```



```

9702     \noindent \@nameuse{@parafootfmt#1}{##1}%
9703     \color@endgroup}%
9704     \m@ungebox}\m@mmf@prepare}}
9705 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9706 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9707 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9708 \unvbox\@nameuse{@mpfootins#1}
9709 \def\baselinestretch{\m@m@footnote@spacing}%
9710 \reset@font\@nameuse{foottextfont#1}%
9711 \hsize\columnwidth \@parboxrestore
9712 \protected@edef\@currentlabel{%
9713 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9714 \setbox0=\vbox{\hsize=\maxdimen
9715 \color@begingroup
9716 \noindent \@nameuse{@parafootfmt#1}{##1}%
9717 \color@endgroup}%
9718 \m@ungebox}\m@mmf@prepare}}
9719 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9720 \bidi@namelongdef{@parafootfmt#1}##1{%
9721 \parindent=\z@
9722 \parfillskip=Opt \@plus 1fil
9723 {\@nameuse{footfootmark#1}\strut
9724 {\@nameuse{foottextfont#1}##1}\penalty-10}}
9725 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9726 \@namedef{@para@footgroup#1}{%
9727 \unvbox\@nameuse{footins#1}
9728 \m@mmakehboxofhboxes
9729 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9730 \@nameuse{foottextfont#1}%
9731 \noindent\unhbox0\par}}
9732 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9733 \@namedef{@mppara@footgroup#1}{%
9734 \unvbox\@nameuse{@mpfootins#1}
9735 \m@mmakehboxofhboxes
9736 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9737 \@nameuse{foottextfont#1}%
9738 \noindent\unhbox0\par}}
9739 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9740 \@namedef{@para@footstart#1}{%
9741 \vskip\bigskipamount
9742 \leftskip=\z@
9743 \rightskip=\z@
9744 \parindent=\z@
9745 \vskip\skip\@nameuse{footins#1}%
9746 \footnoterule}}
9747 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9748 \xdef\@freelist{\@freelist\@midlist}%
9749 \global\let\@midlist\@empty
9750 \@combinefloats}
9751 \bidi@ensure@newcommand*{\m@m@makecoltext}{%

```



```

9752 \ifvbox\@kludgeins
9753   \@makespecialcolbox
9754 \else
9755   \setbox\@outputbox \vbox to\@colht{%
9756     \@texttop
9757     \dimen@ \dp\@outputbox
9758     \unvbox \@outputbox
9759     \vskip -\dimen@
9760     \@textbottom}%
9761 \fi}
9762 \bidi@ensure@newcommand*\m@m@makecolintro}{
9763 \bidi@ensure@newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
9764   \boxmaxdepth\@maxdepth
9765   \@tempdima\dp\@cclv
9766   \unvbox\@cclv
9767   \vskip-\@tempdima
9768   \vskip \skip\footins
9769   \color@begingroup
9770     \normalcolor
9771     \footnoterule
9772     \unvbox \footins
9773   \color@endgroup}}
9774 \bidi@ensure@newcommand*\m@mopsidebar}{%
9775 \ifvoid\sideins\else
9776   \setbox\@outputbox \vbox{%
9777     \sidecontents
9778     \unvbox\@outputbox}
9779 \fi}
9780 \gdef\mem@makecol{%
9781   \m@m@makecolintro
9782   \ifvoid\footins
9783     \setbox\@outputbox \box\@cclv
9784   \else
9785     \m@mopfootnote
9786   \fi
9787   \m@mdoextrafeet
9788   \m@m@makecolfloats
9789   \m@mopsidebar
9790   \m@m@makecoltext
9791   \global \maxdepth \@maxdepth}
9792 \bidi@ensure@newcommand{\feetabovfloat}{\gdef\@makecol{\mem@makecol}}
9793 \feetabovfloat%

```

7.56 extreport-xetex-bidi.def

```

9794 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9795 \renewcommand*\l@part [2]{%
9796   \ifnum \c@tocdepth >-2\relax
9797     \addpenalty{-\@highpenalty}%
9798     \addvspace{2.25em \@plus\p@}%

```



```

9799 \begingroup
9800 \setlength\@tempdima{3em}%
9801 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9802 \parfillskip -\@pnumwidth
9803 {\leavevmode
9804 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9805 \nobreak
9806 \global\@nobreaktrue
9807 \everypar{\global\@nobreakfalse\everypar{}}%
9808 \endgroup
9809 \fi}
9810 \renewcommand*\l@chapter[2]{%
9811 \ifnum \c@tocdepth >\m@ne
9812 \addpenalty{-\@highpenalty}%
9813 \vskip 1.0em \@plus\p@
9814 \setlength\@tempdima{1.5em}%
9815 \begingroup
9816 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9817 \parfillskip -\@pnumwidth
9818 \leavevmode \bfseries
9819 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9820 \hskip -\if@RTL\rightskip\else\leftskip\fi
9821 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9822 \penalty\@highpenalty
9823 \endgroup
9824 \fi}
9825 \def\@makechapterhead#1{%
9826 \vspace*{50\p@}%
9827 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9828 \ifnum \c@secnumdepth >\m@ne
9829 \huge\bfseries \chapapp\space \thechapter
9830 \par\nobreak
9831 \vskip 20\p@
9832 \fi
9833 \interlinepenalty\@M
9834 \Huge \bfseries #1\par\nobreak
9835 \vskip 40\p@
9836 }}
9837 \def\@makeschapterhead#1{%
9838 \vspace*{50\p@}%
9839 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9840 \normalfont
9841 \interlinepenalty\@M
9842 \Huge \bfseries #1\par\nobreak
9843 \vskip 40\p@
9844 }}
9845 \renewcommand\left@footnoterule{%
9846 \kern-3\p@
9847 \hrule\@width.4\columnwidth
9848 \kern2.6\p@}

```



```

9849 \renewcommand\right@footnoterule{%
9850   \kern-3\p@
9851   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9852   \kern2.6\p@}
9853 \renewenvironment{thebibliography}[1]
9854   {\chapter*{\bibname
9855     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9856   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
9857     \list{\@biblabel{\@arabic\c@enumiv}}%
9858     {\settowidth\labelwidth{\@biblabel{#1}}%
9859     \leftmargin\labelwidth
9860     \advance\leftmargin\labelsep
9861     \@openbib@code
9862     \usecounter{enumiv}%
9863     \let\p@enumiv\@empty
9864     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9865     \sloppy\clubpenalty4000\widowpenalty4000%
9866     \sfcode`..\@m}
9867   {\def\@noitemerr
9868     {\@latex@warning{Empty `thebibliography' environment}}%
9869     \endlist}
9870 \if@titlepage
9871 \renewcommand\maketitle{\begin{titlepage}%
9872 \let\footnotesize\small
9873 \let\right@footnoterule\relax
9874 \let\left@footnoterule\relax
9875 \let\textwidth\footnoterule\relax
9876 \let \footnote \thanks
9877 \null\vfil
9878 \vskip 60\p@
9879 \begin{center}%
9880   {\LARGE \@title \par}%
9881   \vskip 3em%
9882   {\large
9883     \lineskip .75em%
9884     \begin{tabular}[t]{c}%
9885       \@author
9886     \end{tabular}\par}%
9887     \vskip 1.5em%
9888     {\large \@date \par}%           % Set date in \large size.
9889 \end{center}\par
9890 \@thanks
9891 \vfil\null
9892 \end{titlepage}%
9893 \setcounter{footnote}{0}%
9894 \global\let\thanks\relax
9895 \global\let\maketitle\relax
9896 \global\let\@thanks\@empty
9897 \global\let\@author\@empty
9898 \global\let\@date\@empty

```



```

9899 \global\let\@title\@empty
9900 \global\let\title\relax
9901 \global\let\author\relax
9902 \global\let\date\relax
9903 \global\let\and\relax
9904 }
9905 \else
9906 \renewcommand\maketitle{\par
9907 \begingroup
9908 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9909 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9910 \long\def\@makefntext##1{\parindent 1em\noindent
9911 \hb@xt@1.8em{%
9912 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9913 \if@twocolumn
9914 \ifnum \col@number=\@ne
9915 \@maketitle
9916 \else
9917 \twocolumn[\@maketitle]%
9918 \fi
9919 \else
9920 \newpage
9921 \global\@topnum\z@ % Prevents figures from going at top of page.
9922 \@maketitle
9923 \fi
9924 \thispagestyle{plain}\@thanks
9925 \endgroup
9926 \setcounter{footnote}{0}%
9927 \global\let\thanks\relax
9928 \global\let\maketitle\relax
9929 \global\let\@maketitle\relax
9930 \global\let\@thanks\@empty
9931 \global\let\@author\@empty
9932 \global\let\@date\@empty
9933 \global\let\@title\@empty
9934 \global\let\title\relax
9935 \global\let\author\relax
9936 \global\let\date\relax
9937 \global\let\and\relax
9938 }
9939 \def\@maketitle{%
9940 \newpage
9941 \null
9942 \vskip 2em%
9943 \begin{center}%
9944 \let \footnote \thanks
9945 {\LARGE \@title \par}%
9946 \vskip 1.5em%
9947 {\large
9948 \lineskip .5em%

```



```

9949     \begin{tabular}[t]{c}%
9950         \@author
9951     \end{tabular}\par}%
9952     \vskip 1em%
9953     {\large \@date}%
9954 \end{center}%
9955 \par
9956 \vskip 1.5em}
9957 \fi
9958 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
9959 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9960 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9961 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9962 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9963 \renewcommand\theequation{%
9964     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9965 \renewcommand\thefigure{%
9966     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
9967 \renewcommand\thetable{%
9968     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

7.57 fancybox-xetex-bidi.def

```

9969 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9970 \def\fancy@oval#1#2#3{%
9971     \boxmaxdepth \maxdimen
9972     \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9973     \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9974     \@ovxx#1\relax
9975     \advance\@ovxx-\@wholewidth
9976     \@ovyy#2\relax
9977     \advance\@ovyy-\@wholewidth
9978     \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
9979     \advance\@tempdimb-2\p@
9980     \ifdim\@tempdimb>\the@cornersize\relax
9981         \@tempdimb=\the@cornersize
9982     \fi
9983     \@getcirc\@tempdimb
9984     \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
9985     \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9986     \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
9987     \@circlefnt
9988     \setbox\@tempboxa\hbox{\beginL%
9989         \if@ovr \@ovvert32\kern -\@tempdima \fi
9990         \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9991         \if@ovt \@ovhorz \kern -\@ovxx \fi
9992         \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
9993     \advance\@ovdx\@ovro
9994     \advance\@ovdy\@ovro
9995     \advance\@ovxx\@wholewidth

```



```

9996 \wd\@tempboxa=\@ovxx
9997 \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

9998 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
9999 \let\fnch@everypar\everypar%
10000 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10001 \@fancyvbox\headheight{\hbox
10002   {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLMa
10003   \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
10004   \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLMa
10005 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10006 \@fancyvbox\footskip{\footrule
10007   \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RT
10008   \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
10009   \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLM

```

7.59 fix2col-xetex-bidi.def

```

10010 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
10011 \def\RTL@outputdblcol{%
10012   \if@firstcolumn
10013     \global\@firstcolumnfalse
10014     \global\setbox\@leftcolumn\copy\@outputbox
10015     \splitmaxdepth\maxdimen
10016     \vbadness\maxdimen
10017     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10018     \toks@\expandafter{\topmark}%
10019     \xdef\@firstcoltopmark{\the\toks@}%
10020     \toks@\expandafter{\splitfirstmark}%
10021     \xdef\@firstcolfirstmark{\the\toks@}%
10022     \ifx\@firstcolfirstmark\@empty
10023       \global\let\@setmarks\relax
10024     \else
10025       \gdef\@setmarks{%
10026         \let\firstmark\@firstcolfirstmark
10027         \let\topmark\@firstcoltopmark}%
10028     \fi
10029 \else \global\@firstcolumntrue
10030 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10031 \hskip \columnwidth
10032 \hfil \vrule width\columnseprule \hfil
10033 \hbox to\columnwidth {\box\@leftcolumn \hss}%
10034 \hskip -\textwidth
10035 \hbox to\columnwidth{\box\@outputbox \hss}%
10036 \hskip \columnsep
10037 \hskip \columnwidth }}%
10038 \@combinedblfloats \@setmarks \@outputpage
10039 \begingroup \@dblfloatplacement \@startdblcolumn
10040 \@whilesw\if@fcolmade \fi

```




```

10041 {\@outputpage \@startdblcolumn }\endgroup
10042 \fi}
10043 \def\LTR@outputdblcol{%
10044   \if@firstcolumn
10045     \global\@firstcolumnfalse
10046     \global\setbox\@leftcolumn\copy\@outputbox
10047     \splitmaxdepth\maxdimen
10048     \vbadness\maxdimen
10049     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10050     \toks@\expandafter{\topmark}%
10051     \xdef\@firstcoltopmark{\the\toks@}%
10052     \toks@\expandafter{\splitfirstmark}%
10053     \xdef\@firstcolfirstmark{\the\toks@}%
10054     \ifx\@firstcolfirstmark\@empty
10055       \global\let\@setmarks\relax
10056     \else
10057       \gdef\@setmarks{%
10058         \let\firstmark\@firstcolfirstmark
10059         \let\topmark\@firstcoltopmark}%
10060     \fi
10061   \else
10062     \global\@firstcolumntrue
10063     \setbox\@outputbox\vbox{%
10064       \hb@xt@\textwidth{%
10065         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10066         \hfil
10067         \vrule \@width\columnseprule
10068         \hfil
10069         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10070   \@combinedblfloats
10071   \@setmarks
10072   \@outputpage
10073   \begingroup
10074     \@dblfloatplacement
10075     \@startdblcolumn
10076     \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10077   \endgroup
10078 \fi}

```

7.60 fleqn-xetex-bidi.def

```

10079 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10080 \renewcommand\[{ \relax
10081     \ifmmode\@badmath
10082     \else
10083       \begin{trivlist}%
10084         \@beginparpenalty\predisplaypenalty
10085         \@endparpenalty\postdisplaypenalty
10086         \item[]\leavevmode
10087         \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$

```



```

10088             \hskip\mathindent\bgroup
10089             \fi}
10090 \renewcommand\]{\relax
10091             \ifmmode
10092             \egroup $\hfil% $
10093             \endL\egroup
10094             \end{trivlist}}%
10095             \else \@badmath
10096             \fi}
10097 \renewenvironment{equation}%
10098   {\@beginparpenalty\predisplaypenalty
10099   \@endparpenalty\postdisplaypenalty
10100   \refstepcounter{equation}%
10101   \trivlist \item[]\leavevmode
10102   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10103   \displaystyle
10104   \hskip\mathindent}}%
10105   {$\hfil % $
10106   \displaywidth\linewidth\hbox{\@eqnnum}}%
10107   \endL\egroup
10108   \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10109 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10110 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10111 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10112 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10113 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
10114 \expandafter\edef\csname the#1\endcsname{%
10115 \expandafter\noexpand\csname
10116 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10117 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

7.62 floatrow-xetex-bidi.def

```

10118 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10119 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10120 \expandafter\edef\csname the\FB@capttype\endcsname{%
10121 \expandafter\noexpand\csname
10122 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

7.63 flowfram-xetex-bidi.def

```

10123 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]
10124 \def\@outputdblcol{%
10125 \@nxtcol=\c@thisframe
10126 \c@curpg=\c@page
10127 \@g@tnextcol{\@nxtcol}%
10128 \if@ff@nwpg % next flow frame starts on new page
10129 \global\@firstcolumntrue
10130 \@setcolbox\c@thisframe

```



```

10131 \if@specialpage
10132   \global\@specialpagefalse
10133   \@nameuse{ps@\@specialstyle}\relax
10134 \fi
10135 \if@twoside
10136   \ifodd\count\z@
10137     \let\@thehead\@oddhead
10138     \let\@thefoot\@oddfoot
10139   \else
10140     \let\@thehead\@evenhead
10141     \let\@thefoot\@evenfoot
10142   \fi
10143 \else
10144   \let\@thehead\@oddhead
10145   \let\@thefoot\@oddfoot
10146 \fi
10147 \@begindvi
10148 \@dodynamicthead\@dodynamictfoot
10149 \vbadness=\@M
10150 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10151 \@combinedblfloats
10152 \@outputpage
10153 \advance\c@curpg by -\c@page\relax
10154 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10155   \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10156 \@outputpage}
10157 \begingroup
10158   \@dblfloatplacement
10159   \@startdblcolumn
10160   \@whilesw \if@fcolmade \fi
10161     {\@outputpage \@startdblcolumn }\endgroup
10162 \@resetst@tics
10163 \@resetdyn@mics
10164 \else % still on same page, save contents of box255
10165   \global\@firstcolumnfalse
10166   \@setcolbox\c@thisframe
10167 \fi
10168 \global\c@thisframe=\@nxtcol
10169 \setcol{\c@thisframe}\relax
10170 \global\@colht\vsz
10171 }
10172 \def\@outputpage{%
10173 \begingroup
10174   \let\protect\noexpand
10175   \@resetactivechars
10176   \global\let\@if@newlist\if@newlist
10177   \global\@newlistfalse\@parboxrestore
10178   \shipout\vbox{\set@typeset@protect
10179     \aftergroup
10180     \endgroup

```



```

10181 \aftergroup
10182 \set@typeset@protect
10183 \reset@font\normalsize\normalsfcodes
10184 \let\label@gobble
10185 \let\index@gobble
10186 \let\glossary@gobble
10187 \baselineskip\z@skip
10188 \lineskip\z@skip
10189 \lineskiplimit\z@
10190 \vskip\topmargin\moveright\@themargin
10191 \vbox{%
10192     \vskip\headheight
10193     \vskip\headsep
10194     \box\@outputbox
10195 }%
10196 \global\let\if@newlist@@if@newlist
10197 \stepcounter{page}%
10198 \setcounter{displayedframe}{0}%
10199 \let\firstmark\botmark}
10200
10201
10202 \newcommand*\bidi@s@tfftextcol{\ifthenelse{equal{\ff@txtcol}{}}{}}{%
10203 \expandafter\bidicolor\ff@txtcol}}
10204
10205 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10206 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10207
10208
10209 \renewcommand*{\@docolbox}[1]{%
10210 \edef\ff@frametype{%
10211 \csname @ff@frametype@\romannumeral#1\endcsname}%
10212 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10213 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10214 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10215 \@ff@setoffset{#1}%
10216 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10217 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10218 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10219 {\csname colheight\romannumeral#1\endcsname}}{%
10220 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
10221 \csname\ff@frametype\endcsname}%
10222 }{%
10223 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10224 {\csname colheight\romannumeral#1\endcsname}}{%
10225 \expandafter\box\csname column\romannumeral#1\endcsname}}%
10226 }}}
10227 \@ifclassloaded{book}{%
10228 \renewcommand\theequation
10229 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic@c@equation}
10230 \renewcommand \thefigure

```



```

10231     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10232 \renewcommand \thetable
10233     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10234 \renewcommand \thechapter {\@arabic\c@chapter}
10235 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10236 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10237 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10238 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10239 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10240 \ifclassloaded{report}{%
10241 \renewcommand\theequation
10242     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10243 \renewcommand \thefigure
10244     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10245 \renewcommand \thetable
10246     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10247 \renewcommand \thechapter {\@arabic\c@chapter}
10248 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10249 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10250 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10251 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10252 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10253 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10254 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
10255 \else
10256 #2\relax
10257 \fi}

```

7.64 footnote-xetex-bidi.def

```

10258 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10259 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10260 \newif\ifbidi@autofooterule
10261 \def\bidi@mpfootnoterule{\footnoterule}
10262 \newcounter{footdir@label}
10263 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10264 \newcommand*{\footdir@write}{%
10265 \stepcounter{footdir@label}}%
10266 \zref@labelbyprops{\thefootdir@label}{abspage}%
10267 }
10268 \newif\iffootdir@debug
10269 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10270 \newtoks\footdir@toks
10271 \newcommand*{\footdir@debug}[1]{%
10272 \iffootdir@debug
10273 \typeout{[footdir] #1}}%
10274 \fi
10275 }
10276 \ifpackageafter{zref-abspage}{2012/10/27}{%
10277 \newcommand*{\footdir@LeftRightElse}{%

```



```

10278 \ltx@ifundefined{footdir@the\value{zabspage}}{%
10279 \footdir@debug{abspage \the\value{zabspage}: else}%
10280 \ltx@thirdofthree
10281 }{%
10282 \if\csname footdir@the\value{zabspage}\endcsname L%
10283 \footdir@debug{abspage \the\value{zabspage}: left}%
10284 \expandafter\ltx@firstofthree
10285 \else
10286 \footdir@debug{abspage \the\value{zabspage}: right}%
10287 \expandafter\ltx@secondofthree
10288 \fi
10289 }%
10290 }%
10291 }{%
10292 \providecommand*\c@zabspage{\c@abspage}%
10293 \newcommand*\footdir@LeftRightElse{%
10294 \footdir@write
10295 \zifrefundefined{\thefootdir@label}{%
10296 \footdir@debug{abspage ??: else}%
10297 \ltx@thirdofthree
10298 }{%
10299 \edef\footdir@abspage{%
10300 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10301 }%
10302 \ltx@ifundefined{footdir@\footdir@abspage}{%
10303 \footdir@debug{\footdir@abspage: else}%
10304 \ltx@thirdofthree
10305 }{%
10306 \if\csname footdir@\footdir@abspage\endcsname L%
10307 \footdir@debug{\footdir@abspage: left}%
10308 \expandafter\ltx@firstofthree
10309 \else
10310 \footdir@debug{\footdir@abspage: right}%
10311 \expandafter\ltx@secondofthree
10312 \fi
10313 }%
10314 }%
10315 }%
10316 }
10317 \newcommand*\footdir@fntext}[1]{%
10318 \zifrefundefined{\thefootdir@label}{%
10319 }{%
10320 \edef\footdir@name{%
10321 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10322 }%
10323 \@ifundefined{\footdir@name}{%
10324 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10325 }{%
10326 }%
10327 }

```



```

10328
10329 \newcommand*{\footdir@temp}[3]{%
10330   \@ifdefinable{#1}{%
10331     \let#1#2%
10332     \renewcommand{#2}[1]{%
10333       \footdir@write
10334       \footdir@fntext{#3}%
10335       \stepcounter{footdir@label}%
10336       \footdir@fntext{#3}%
10337       \footdir@toks{##1}%
10338       \footdir@toks\expandafter{%
10339         \the\expandafter\footdir@toks
10340         \expandafter
10341         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10342       }%
10343       \expandafter#1\expandafter{\the\footdir@toks}%
10344     }%
10345   }%
10346 }
10347
10348 \def\right@footnoterule{%
10349   \kern-3\p@
10350   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10351   \kern2.6\p@}
10352 \def\left@footnoterule{\kern-3\p@
10353   \hrule \@width .4\columnwidth \kern 2.6\p@}
10354 \def\textwidth@footnoterule{\kern-3\p@
10355   \hrule \@width \columnwidth \kern 2.6\p@}
10356 \def\leftfootnoterule{%
10357   \bidi@autofootnoterulefalse%
10358   \def\footnoterule{\left@footnoterule}}
10359 \let\LRfootnoterule=\leftfootnoterule
10360 \def\rightfootnoterule{%
10361   \bidi@autofootnoterulefalse%
10362   \def\footnoterule{\right@footnoterule}}
10363 \def\textwidthfootnoterule{%
10364   \bidi@autofootnoterulefalse%
10365   \def\footnoterule{\textwidth@footnoterule}}
10366
10367
10368
10369 \def\auto@footnoterule{%
10370   \footdir@LeftRightElse%
10371   \left@footnoterule%
10372   \right@footnoterule%
10373   \left@footnoterule%
10374 }
10375
10376
10377

```



```

10378 \def\autofooterule{%
10379 \bidi@autofooteruletrue%
10380 \def\footnoterule{\auto@footnoterule}%
10381 }
10382
10383 \newcommand*\SplitFootnoteRule{%
10384 \gdef\split@prev{0}
10385 \let\pagefootnoterule\footnoterule
10386 \let\mpfootnoterule\footnoterule
10387 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10388 \def\footnoterule{\relax
10389 \ifx \@listdepth\mplistdepth
10390 \mpfootnoterule
10391 \else
10392 \ifnum\split@prev=\z@
10393 \pagefootnoterule
10394 \else
10395 \splitfootnoterule
10396 \fi
10397 \xdef\split@prev{\the\insertpenalties}%
10398 \fi
10399 }%
10400 }
10401
10402
10403
10404
10405 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10406 \protected@xdef\@thefnmark{\thempfn}%
10407 \@footnotemark\@RTLfootnotetext}}
10408 \def\@xRTLfootnote[#1]{%
10409 \begingroup
10410 \csname c@\@mpfn\endcsname #1\relax
10411 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10412 \endgroup
10413 \@footnotemark\@RTLfootnotetext}
10414 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10415 \protected@xdef\@thefnmark{\thempfn}%
10416 \@footnotemark\@LTRfootnotetext}}
10417 \def\@xLTRfootnote[#1]{%
10418 \begingroup
10419 \csname c@\@mpfn\endcsname #1\relax
10420 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10421 \endgroup
10422 \@footnotemark\@LTRfootnotetext}
10423
10424
10425 \def\setfootnoteRL{\@RTL@footnotetrue}
10426 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10427 \def\setfootnoteLR{\unsetfootnoteRL}

```




```

10428
10429 \long\def\@footnotetext#1{\insert\footins{%
10430   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10431   \reset@font\footnotesize
10432   \interlinepenalty\interfootnotelinepenalty
10433   \splittopskip\footnotesep
10434   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10435   \hsize\columnwidth \@parboxrestore
10436   \protected@edef\@currentlabel{%
10437     \csname p@footnote\endcsname\@thefnmark
10438   }%
10439   \color@begingroup
10440     \makefntext{%
10441       \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10442     \color@endgroup}}%
10443
10444
10445 \long\def\@RTLfootnotetext#1{\insert\footins{%
10446   \@RTLtrue%
10447   \reset@font\footnotesize
10448   \interlinepenalty\interfootnotelinepenalty
10449   \splittopskip\footnotesep
10450   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10451   \hsize\columnwidth \@parboxrestore
10452   \protected@edef\@currentlabel{%
10453     \csname p@footnote\endcsname\@thefnmark
10454   }%
10455   \color@begingroup
10456     \makefntext{%
10457       \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10458     \color@endgroup}}%
10459
10460 \long\def\@LTRfootnotetext#1{\insert\footins{%
10461   \@RTLfalse%
10462   \reset@font\footnotesize
10463   \interlinepenalty\interfootnotelinepenalty
10464   \splittopskip\footnotesep
10465   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10466   \hsize\columnwidth \@parboxrestore
10467   \protected@edef\@currentlabel{%
10468     \csname p@footnote\endcsname\@thefnmark
10469   }%
10470   \color@begingroup
10471     \makefntext{%
10472       \rule\z@{footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10473     \color@endgroup}}%
10474
10475 \AtBeginDocument{%
10476 \if@RTL@footnote
10477 \newcommand*\{bidi@footdir@footnote}{R}

```



```

10478 \else
10479   \newcommand*{\bidi@footdir@footnote}{L}
10480 \fi%
10481 }
10482
10483 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10484 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10485 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10486
10487 \long\def\@mpRTLfootnotetext#1{%
10488   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10489   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10490     \unvbox\@mpfootins
10491     \reset@font\footnotesize
10492     \hsize\columnwidth
10493     \@parboxrestore
10494     \protected@edef\@currentlabel
10495       {\csname p@mpfootnote\endcsname\@thefnmark}%
10496     \color@begingroup
10497       \@makefntext{%
10498         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10499     \color@endgroup}}
10500 \long\def\@mpLTRfootnotetext#1{%
10501   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10502   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10503     \unvbox\@mpfootins
10504     \reset@font\footnotesize
10505     \hsize\columnwidth
10506     \@parboxrestore
10507     \protected@edef\@currentlabel
10508       {\csname p@mpfootnote\endcsname\@thefnmark}%
10509     \color@begingroup
10510       \@makefntext{%
10511         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10512     \color@endgroup}}
10513 \long\def\@mpfootnotetext#1{%
10514   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10515   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10516     \unvbox\@mpfootins
10517     \reset@font\footnotesize
10518     \hsize\columnwidth
10519     \@parboxrestore
10520     \protected@edef\@currentlabel
10521       {\csname p@mpfootnote\endcsname\@thefnmark}%
10522     \color@begingroup
10523       \@makefntext{%
10524         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10525     \color@endgroup}}
10526 \def\@iiminipage#1#2[#3]#4{%
10527   \leavevmode

```



```

10528 \pboxswfalse
10529 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10530 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10531 \setlength\@tempdima{#4}%
10532 \def\@mpargs{#{1}#{2}[#{3}#{4}]%
10533 \setbox\@tempboxa\vbox\bgroup
10534 \color@begingroup
10535 \hsize\@tempdima
10536 \textwidth\hsize \columnwidth\hsize
10537 \@parboxrestore
10538 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10539 \let\@footnotetext\@mpfootnotetext
10540 \let\@LTRfootnotetext\@mpLTRfootnotetext
10541 \let\@RTLfootnotetext\@mpRTLfootnotetext
10542 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10543 \@minipagerestore
10544 \setminipage}
10545 \def\endminipage{%
10546 \par
10547 \unskip
10548 \ifvoid\@mpfootins\else
10549 \vskip\skip\@mpfootins
10550 \normalcolor
10551 \bidi@mpfootnoterule
10552 \unvbox\@mpfootins
10553 \fi
10554 \@minipagefalse %% added 24 May 89
10555 \color@endgroup
10556 \egroup
10557 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10558 \def\LTRthanks#1{\footnotemark
10559 \protected@xdef\@thanks{\@thanks
10560 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10561 }
10562 \def\LTRfootnotetext{%
10563 \@ifnextchar [\@xLTRfootnotenext
10564 {\protected@xdef\@thefnmark{\thempfn}%
10565 \@LTRfootnotetext}}
10566 \def\@xLTRfootnotenext[#1]{%
10567 \begingroup
10568 \csname c@\@mpfn\endcsname #1\relax
10569 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10570 \endgroup
10571 \@LTRfootnotetext}
10572 \def\RTLthanks#1{\footnotemark
10573 \protected@xdef\@thanks{\@thanks
10574 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10575 }
10576 \let\@thanks\@empty
10577 \def\RTLfootnotetext{%

```



```

10578 \@ifnextchar [\@xRTLfootnotenext
10579     {\protected@xdef\@thefnmark{\thempfn}%
10580     \@RTLfootnotetext}}
10581 \def\@xRTLfootnotenext[#1]{%
10582 \begingroup
10583     \csname c@\mpfn\endcsname #1\relax
10584     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10585 \endgroup
10586 \@RTLfootnotetext}
10587 \leftfootnoterule

```

7.65 framed-xetex-bidi.def

```

10588 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10589 \renewcommand\TitleBarFrame[3][\begingroup
10590 \ifx\delimiter#1\delimiter
10591 \let\TF@conlab\@empty
10592 \else
10593 \def\TF@conlab{% continuation label
10594 \nointerlineskip
10595 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
10596 \fi
10597 %\let\TF@savecolor\current@color
10598 \textcolor{TF@FrameColor}{%
10599 \CustomFBox
10600 {\TF@Title{#2}}{\TF@conlab}%
10601 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
10602 %{\let\current@color\TF@savecolor\set@color #3}%
10603 {\normalcolor #3}%
10604 }\endgroup
10605 }
10606 \renewenvironment{titled-frame}[1]{%
10607 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
10608 \TitleBarFrame{\textbf{#1}}}%
10609 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
10610 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
10611 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
10612 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (cont)}}
10613 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
10614 \TitleBarFrame{\textbf{#1} (cont)}}}%
10615 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10616 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10617 % could interfere with the width measurement.
10618 {\endMakeFramed}
10619 \chardef\FrameRestore=\catcode`\| % for debug
10620 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10621 \def\fb@put@frame#1#2{\relax
10622 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10623 | \message{===== Entering putframe =====^^J
10624 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%

```



```

10625 \ifinner
10626   \fb@putboxa#1%
10627   \fb@afterframe
10628 \else
10629 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10630 \ifdim\dimen@<2\baselineskip % Too little room on page
10631 | \message{Page has only \the\dimen@\space room left; eject. }%
10632   \eject \fb@adjheight \fb@put@frame#1#2%
10633 \else % there's appreciable room left on the page
10634   \fb@sizeofframe#1%
10635 | \message{\string\pagetotal=\the\pagetotal,
10636 |   \string\pagegoal=\the\pagegoal,
10637 |   \string\pagestretch=\the\pagestretch,
10638 |   \string\pageshrink=\the\pageshrink,
10639 |   \string\fb@frh=\the\fb@frh. \space}
10640 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10641   \begingroup % temporarily set \dimen@ to be...
10642   \advance\dimen@.8\pageshrink % maximum space available on page
10643   \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10644 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10645   \expandafter\endgroup
10646   % expand \ifdim, then restore \dimen@ to real room left on page
10647   \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10648 | \message{fits in \the\dimen@. }%
10649   % ToDo: Change this to use vsplit anyway to capture the marks
10650   % MERGE THIS WITH THE else CLAUSE!!!
10651   \fb@putboxa#1%
10652   \fb@afterframe
10653 \else % box must be split
10654 | \message{must be split to fit in \the\dimen@. }%
10655 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10656   \fb@sizeofframe#2%
10657   \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10658     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10659     \kern137sp\kern-137sp\penalty-30
10660     \unvbox\@tempboxa}%
10661   \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10662     \splittopskip\the\splittopskip}%
10663   \boxmaxdepth\z@ \splittopskip\z@
10664 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10665   % Split box here
10666   \setbox\tw@\vsplit\@tempboxa to\dimen@
10667 | \toks99\expandafter{\splittopskip}%
10668 | \toks98\expandafter{\splitbottom}%
10669 | \message{Marks are: \the\toks99, \the\toks98. }%
10670   \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10671 | \message{Natural height of split box is \the\ht\tw@, leaving
10672 |   \the\ht\@tempboxa\space remainder. }%
10673 % If the split-to size > (\vsize-\topskip), then set box to full size.
10674   \begingroup

```



```

10675     \advance\dimen@ \topskip
10676     \expandafter\endgroup
10677     \ifdim\dimen@ > \pagegoal
10678 |     \message{Frame is big -- Use up the full column. }%
10679     \dimen@ii \pagegoal
10680     \advance\dimen@ii - \topskip
10681     \advance\dimen@ii \FrameHeightAdjust \relax
10682     \else % suspect this is implemented incorrectly:
10683     % If the split-to size > feasible room_on_page, rebox it smaller.
10684     \advance\dimen@.8 \pageshrink
10685     \ifdim\ht\tw@ > \dimen@
10686 |     \message{Box too tall; rebox it to \the\dimen@. }%
10687     \dimen@ii \dimen@
10688     \else % use natural size
10689     \dimen@ii \ht\tw@
10690     \fi
10691     \fi
10692     % Re-box contents to desired size \dimen@ii
10693     \advance\dimen@ii - \fb@frh
10694     \setbox\tw@ \vbox to \dimen@ii \bgroup
10695     % remove simulated frame and page flexibility:
10696     \vskip - \fb@frh \@plus - \pagestretch \@minus -.8 \pageshrink
10697     \unvbox\tw@ \unpenalty \unpenalty
10698     \ifdim\lastkern = -137sp % whole box went to next page
10699 |     \message{box split at beginning! }%
10700     % need work here???
10701     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10702     \fb@adjheight
10703     \fb@put@frame#1#2% INSERTED ???
10704     \else % Got material split off at the head
10705     \egroup \fb@resto@set
10706     \ifvoid\@tempboxa % it all fit after all
10707 |     \message{box split at end! }%
10708     \setbox\@tempboxa \box\tw@
10709     \fb@putboxa#1%
10710     \fb@afterframe
10711     \else % it really did split
10712 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10713     \ifdim\wd\tw@ > \z@
10714     \wd\tw@ \wd\@tempboxa
10715     \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10716     \else
10717 |     \message{Zero width means likely blank. Don't frame it (guess)}%
10718     \box\tw@
10719     \fi
10720     \hrule \@height\z@ \@width\hsize
10721     \eject
10722     \fb@adjheight
10723     \fb@put@frame\LastFrameCommand\MidFrameCommand
10724     \fi\fi\fi\fi\fi

```



```

10725 }
10726 \def\fb@putboxa#1{%
10727   \ifvoid\@tempboxa
10728     \PackageWarning{framed}{Boxa is void -- discard it. }%
10729   \else
10730 |   \message{Frame and place boxa. }%
10731 |   %{\showoutput\showbox\@tempboxa}%
10732   \centerline{#1{\hboxL{\box\@tempboxa}}}%
10733   \fi
10734 }
10735 \catcode`\|= \FrameRestore
10736 \def\FrameRestore{%
10737   \let\if@nobraek\iffalse
10738   \let\if@noskipsec\iffalse
10739   \let\-\@dischyp
10740   \let'\@acci\let'\@accii\let\=\@acciii
10741   % \message{FrameRestore:
10742   %   \@totalleftmargin=\the \@totalleftmargin,
10743   %   \rightmargin=\the\rightmargin,
10744   %   \@listdepth=\the\@listdepth. }%
10745   % Test if we are in a list (or list-like paragraph)
10746   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10747     \ifdim\rightmargin>\z@ 1\fi
10748     \ifnum\@listdepth>\z@ 1\fi 0>\z@
10749   %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10750   %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10751   %   \labelwidth=\the\labelwidth. }%
10752   % \setminipage % snug fit around the item
10753   % Now try to propageate changes of width from \hsize to list parameters.
10754   % This is deficient, but a more advanced way to indicate modification to text
10755   % dimensions is not (yet) provided; in particular, no separate left/right
10756   % adjustment.
10757   \advance\linewidth-\columnwidth \advance\linewidth\hsize
10758   \parshape\@ne \@totalleftmargin \linewidth
10759   \else % Not in list
10760     \linewidth=\hsize
10761     %\message{No list, set \string\linewidth=\the\hsize. }%
10762   \fi
10763   \sloppy
10764 }

```

7.66 ftnright-xetex-bidi.def

```

10765 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10766 \def\LTR@outputdblcol{\if@firstcolumn
10767   \global\@firstcolumnfalse
10768   \global\setbox\@leftcolumn\box\@outputbox
10769   \global\count\footins\@m
10770   \global\skip\footins\rcol@footinsskip
10771   \else \preparefootins

```



```

10772 \global\@firstcolumntrue
10773 \setbox\@outputbox\vbox{\hbox to\textwidth
10774   {\hbox to\columnwidth
10775     {\box\@leftcolumn\hss}}%
10776   \hfil\vrule\@width\columnseprule\hfil
10777   \hbox to\columnwidth
10778     {\box\@outputbox\hss}}}%
10779 \@combinedblfloats\@outputpage
10780 \begingroup
10781 \@dblfloatplacement\@startdblcolumn
10782 \@whilesw@if@fcolmade\fi
10783   {\@outputpage\@startdblcolumn}%
10784 \endgroup
10785 \fi}
10786 \def\RTL@outputdblcol{\if@firstcolumn
10787 \global\@firstcolumnfalse
10788 \global\setbox\@leftcolumn\box\@outputbox
10789 \global\count\footins\@m
10790 \global\skip\footins\rcol@footinsskip
10791 \else \preparefootins
10792 \global\@firstcolumntrue
10793 \setbox\@outputbox\vbox{\hbox to\textwidth
10794   {\hskip \columnwidth
10795     \hfil \vrule width\columnseprule \hfil
10796     \hbox to\columnwidth
10797       {\box\@leftcolumn\hss}}%
10798   \hskip -\textwidth
10799   \hbox to\columnwidth
10800     {\box\@outputbox\hss}
10801   \hskip \columnsep
10802   \hskip \columnwidth}}}%
10803 \@combinedblfloats\@outputpage
10804 \begingroup
10805 \@dblfloatplacement\@startdblcolumn
10806 \@whilesw@if@fcolmade\fi
10807   {\@outputpage\@startdblcolumn}%
10808 \endgroup
10809 \fi}
10810 \let\leftfootnoterule\@empty
10811 \let\rightfootnoterule\@empty
10812 \let\textwidthfootnoterule\@empty
10813 \let\autofootnoterule\@empty
10814 \let\footnoterule\@empty
10815 \long\def\@makefntext#1{\parindent 1em
10816   \noindent\hbox to 2em{}}%
10817   \llap{\@thefnmark\hbox{.}\,}\,}\,#1}

```

7.67 graphicx-xetex-bidi.def

```

10818 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for

```




```

10819 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10820 \Grot@setangle{#1}%
10821 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10822 \Grot@x\z@
10823 \Grot@y\z@
10824 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10825 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10826 \leavevmode
10827 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10828 \setbox\z@\hbox{#{#3}}%
10829 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10830 \ifdim#2\p@<\z@
10831 \ht\tw@-#2\dp\z@
10832 \dp\tw@-#2\ht\z@
10833 \else
10834 \ht\tw@#2\ht\z@
10835 \dp\tw@#2\dp\z@
10836 \fi
10837 \ifdim#1\p@<\z@
10838 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10839 \else
10840 \wd\tw@#1\wd\z@
10841 \box\tw@
10842 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10843 \def\Gin@iii[#1,#2][#3,#4]#5{%
10844 \begingroup
10845 \ifmmode\else\if@RTL\beginL\fi\fi
10846 \Gin@bboxtrue
10847 \Gin@defaultbp\Gin@llx{#1}%
10848 \Gin@defaultbp\Gin@lly{#2}%
10849 \Gin@defaultbp\Gin@urx{#3}%
10850 \Gin@defaultbp\Gin@ury{#4}%
10851 \Gin@include@graphics{#5}%
10852 \ifmmode\else\if@RTL\endL\fi\fi
10853 \endgroup}
10854 \def\Gin@ii[#1]#2{%
10855 \def@tempa{[]}\def@tempb{#2}%
10856 \ifx@tempa@tempb
10857 \def@tempa{\Gin@iii[#1] []}%
10858 \expandafter@tempa
10859 \else
10860 \begingroup
10861 \ifmmode\else\if@RTL\beginL\fi\fi
10862 \@tempswafalse
10863 \toks@{\Gin@include@graphics{#2}}%
10864 \setkeys{Gin}{#1}%
10865 \Gin@esetsize
10866 \the\toks@
10867 \ifmmode\else\if@RTL\endL\fi\fi
10868 \endgroup

```



```

10869     \fi}
10870 \def\reflectbox{\bidiGscale@box-1[1]}
10871 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10872 \leavevmode
10873 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10874 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10875 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10876 \ifdim#2\p@<\z@
10877   \ht\tw@-#2\dp\z@
10878   \dp\tw@-#2\ht\z@
10879 \else
10880   \ht\tw@#2\ht\z@
10881   \dp\tw@#2\dp\z@
10882 \fi
10883 \ifdim#1\p@<\z@
10884   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10885 \else
10886   \wd\tw@#1\wd\z@
10887   \box\tw@
10888 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10889 \def\scalebox#1{%
10890 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
10891 \def\resizebox{%
10892 \leavevmode
10893 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10894 \def\bidiGscale@@box#1#2#3{%
10895 \let\@tempa\Gin@exclamation
10896 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10897 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10898 \ifx\@tempb\@tempa
10899   \ifx\@tempc\@tempa
10900     \toks@{\mbox}%
10901   \else
10902     \toks@{\bidiGscale@box@dd{#3}#1}%
10903   \fi
10904 \else
10905   \ifx\@tempc\@tempa
10906     \toks@{\bidiGscale@box@dd{#2}\width}%
10907   \else
10908     \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
10909   \fi
10910 \fi
10911 \the\toks@}
10912 \long\def\bidiGscale@box@dd#1#2#3{%
10913 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10914 \setlength\@tempdima{#1}%
10915 \setlength\@tempdimb{#2}%
10916 \Gscale@div\@tempa\@tempdima\@tempdimb
10917 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10918 \@end@tempboxa}

```



```

10919 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
10920   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
10921     \setlength\@tempdima{#1}%
10922     \setlength\@tempdimb{#2}%
10923     \Gscale@div\@tempa\@tempdima\@tempdimb
10924     \setlength\@tempdima{#3}%
10925     \setlength\@tempdimb{#4}%
10926     \Gscale@div\@tempb\@tempdima\@tempdimb
10927     \ifGin@iso
10928       \ifdim\@tempa\p@>\@tempb\p@
10929         \let\@tempa\@tempb
10930       \else
10931         \let\@tempb\@tempa
10932       \fi
10933     \fi
10934     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10935   \@end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

10936 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
10937 \renewcommand*\Gm@vrules@mpi}{%
10938 \if@RTLmain%
10939   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10940     \llap{\Gm@vrule}\ignorespaces
10941     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10942     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10943   \else%
10944     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10945       \hskip \textwidth\Gm@vrule\hskip \marginparsep
10946       \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10947 \renewcommand*\Gm@vrules@mpii}{%
10948 \if@RTLmain%
10949   \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10950     \hskip \textwidth\Gm@vrule\hskip \marginparsep
10951     \llap{\Gm@vrule}\hfil\Gm@vrule}%
10952   \else%
10953     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10954       \llap{\Gm@vrule}\ignorespaces
10955       \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10956       \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
10957

```

7.69 hvfloat-xetex-bidi.def

```

10958 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10959 \def\do@hvFloat[#1]#2#3{%
10960 \def\hv@shortCap{#1}
10961 \def\hv@longCap{#2}
10962 \def\hv@label{#3}
10963 %\newcommand*\hvFloat}[5][[]]{%

```



```

10964 % [#1]: keyvalues
10965 % #2: type figure | table | ...
10966 % #3: float contents
10967 % [#4]: short caption
10968 % #5: caption
10969 % #6: label
10970 % \setDefault%
10971 % \def\@tempa{#1}%
10972 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
10973 \def\@tempa{90}%
10974 \ifx\hvSet@rotAngle\@tempa \setlength{hvMaxCapWidth}{\textheight}
10975 \else \setlength{hvMaxCapWidth}{\linewidth}
10976 \fi
10977 %
10978 % First we save the object in \hvObjectBox
10979 %
10980 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10981 \savebox{hvObjectBox}{\ifhv@useOBox\usebox{hvOBox}\else\hv@floatObject\fi}
10982 \else
10983 \savebox{hvObjectBox}{%
10984 \rotatebox{hvSet@objectAngle}{%
10985 \ifhv@useOBox\usebox{hvOBox}\else\hv@floatObject\fi}}
10986 \fi
10987 \setlength{hvObjectWidth}{\wd hvObjectBox}
10988 %
10989 % Now we save the caption with its defined \hvCapWidth
10990 %
10991 \ifx\hvSet@capWidth\hv@Width\setlength{hvCapWidth}{hvObjectWidth}
10992 \else
10993 \ifx\hvSet@capWidth\hv@Height\setlength{hvCapWidth}{\ht hvObjectBox}
10994 \else
10995 \setlength{hvCapWidth}{hvObjectWidth}
10996 \ifx\hvSet@capPos\hv@Left\addtolength{hvMaxCapWidth}{-hvObjectWidth}\fi
10997 \ifx\hvSet@capPos\hv@Right\addtolength{hvMaxCapWidth}{-hvObjectWidth}\fi
10998 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10999 \setlength{hvCapWidth}{hvSet@capWidth\columnwidth}
11000 \else
11001 \setlength{hvCapWidth}{hvMaxCapWidth}
11002 \fi
11003 \fi
11004 \fi
11005 %
11006 % now we have the object and the caption with the right
11007 % rotated angles saved in boxes
11008 %
11009 \def\fps@figure{hvSet@floatPos}
11010 \ifhv@nonFloat\begin% Start the nonfloat part
11011 \else \begin{hv@floatType}% Start the floating environment
11012 \fi%
11013 \saveCaptionSkip% we put this space ourselves

```



```

11014 \ifx\hvSet@capAngle\hv@Width % need rotation?
11015   \sbox{\hvCaptionBox}{%
11016     \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11017     \ifhv@nonFloat%
11018     \ifhv@onlyText#2%
11019     \else%
11020     \ifx\hv@floatType\hv@figure
11021       \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11022     \else
11023       \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11024     \fi
11025   \fi
11026 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11027 \fi%
11028 \label{#3}%
11029   \end{minipage}%
11030   }%
11031 \else%
11032   \sbox{\hvCaptionBox}{%
11033     \rotatebox{\hvSet@capAngle}{%
11034       \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11035       \ifhv@nonFloat%
11036       \ifhv@onlyText#2%
11037       \else%
11038       \ifx\hv@floatType\hv@figure
11039         \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11040       \else
11041         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11042       \fi
11043     \fi
11044 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11045     \fi%
11046     \label{#3}%
11047     \end{minipage}%
11048     }%
11049   }%
11050 \fi%
11051 %%
11052 \restoreCaptionSkip% save old values
11053 \ifx\hvSet@objectPos\hv@Right\ bidi@raggedleft%
11054 \else%
11055   \ifx\hvSet@objectPos\hv@Center
11056     \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11057   \fi%
11058 \fi%
11059 %
11060 % to rotate object and caption together, we save all in another box
11061 % the caption comes first, if its on the left or the top
11062 %
11063 \savebox{\@tempboxa}{%

```



```

11064 \ifx\hvSet@capPos\hv@Left % caption on left side
11065 \ifRTL%
11066 \ifx\hvSet@capVPos\hv@Center%
11067 \ifhv@fbox
11068 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11069 \else
11070 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11071 \fi%
11072 \hspace{\hvSet@floatCapSep pt}%
11073 \ifhv@fbox
11074 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11075 \else
11076 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11077 \fi%
11078 \else%
11079 \ifx\hvSet@capVPos\hv@Top
11080 \ifhv@fbox
11081 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11082 \else
11083 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11084 \fi%
11085 \hspace{\hvSet@floatCapSep pt}%
11086 \ifhv@fbox
11087 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11088 \else
11089 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11090 \fi
11091 \else
11092 \ifhv@fbox
11093 \fbox{\usebox{\hvObjectBox}}%
11094 \else
11095 \usebox{\hvObjectBox}%
11096 \fi
11097 \hspace{\hvSet@floatCapSep pt}%
11098 \ifhv@fbox
11099 \fbox{\usebox{\hvCaptionBox}}%
11100 \else
11101 \usebox{\hvCaptionBox}%
11102 \fi%
11103 \fi%
11104 \fi%
11105 \else% not RTL
11106 \ifx\hvSet@capVPos\hv@Center%
11107 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11108 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11109 \fi%
11110 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11111 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11112 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11113 \fi%

```



```

1114 \else%
1115 \ifx\hvSet@capVPos\hv@Top % caption at top
1116 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
1117 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
1118 \fi
1119 \hspace{\hvSet@floatCapSep pt}% capfloatsep
1120 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
1121 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
1122 \fi%
1123 \else% caption on bottom
1124 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
1125 \else\usebox{\hvCaptionBox}
1126 \fi%
1127 \hspace{\hvSet@floatCapSep pt}%
1128 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
1129 \else \usebox{\hvObjectBox}
1130 \fi%
1131 \fi%
1132 \fi% end of RTL
1133 \fi%
1134 \else
1135 \ifx\hvSet@capPos\hv@Top
1136 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
1137 \begin{minipage}{\wd\hvCaptionBox}
1138 \else
1139 \begin{minipage}{\wd\hvObjectBox}
1140 \fi
1141 \centering
1142 \ifhv@fbox
1143 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
1144 \fbbox{\usebox{\hvObjectBox}}
1145 \else
1146 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
1147 \usebox{\hvObjectBox}
1148 \fi%
1149 \end{minipage}
1150 \else
1151 \ifx\hvSet@capPos\hv@Bottom
1152 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
1153 \begin{minipage}{\wd\hvCaptionBox}
1154 \else
1155 \begin{minipage}{\wd\hvObjectBox}
1156 \fi
1157 \centering
1158 \ifhv@fbox
1159 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
1160 \fbbox{\usebox{\hvCaptionBox}}
1161 \else
1162 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
1163 \usebox{\hvCaptionBox}

```



```

11164 \fi%
11165 \end{minipage}
11166 \else% the last option: put the caption on the right
11167 \if@RTL%
11168     \ifx\hvSet@capVPos\hv@Center%
11169         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11170         \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11171         \fi%
11172         \hspace{\hvSet@floatCapSep pt}% capfloatsep
11173         \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11174         \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11175         \fi%
11176     \else%
11177         \ifx\hvSet@capVPos\hv@Top % caption at top
11178             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11179             \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11180             \fi
11181             \hspace{\hvSet@floatCapSep pt}% capfloatsep
11182             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11183             \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
11184             \fi%
11185         \else% caption on bottom
11186             \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11187             \else\usebox{\hvCaptionBox}
11188             \fi%
11189             \hspace{\hvSet@floatCapSep pt}%
11190             \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11191             \else     \usebox{\hvObjectBox}
11192             \fi%
11193         \fi%
11194     \fi%
11195 \else% not RTL
11196 \ifx\hvSet@capVPos\hv@Center%
11197 \ifhv@fbox
11198 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11199 \else
11200 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11201 \fi%
11202 \hspace{\hvSet@floatCapSep pt}%
11203 \ifhv@fbox
11204 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11205 \else
11206 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11207 \fi%
11208 \else%
11209 \ifx\hvSet@capVPos\hv@Top
11210 \ifhv@fbox
11211 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11212 \else
11213 \raisebox{-\height}{\usebox{\hvObjectBox}}%

```




```

11214 \fi%
11215 \hspace{\hvSet@floatCapSep pt}%
11216 \ifhv@fbox
11217 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11218 \else
11219 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11220 \fi
11221 \else
11222 \ifhv@fbox
11223 \fbox{\usebox{\hvObjectBox}}%
11224 \else
11225 \usebox{\hvObjectBox}%
11226 \fi
11227 \hspace{\hvSet@floatCapSep pt}%
11228 \ifhv@fbox
11229 \fbox{\usebox{\hvCaptionBox}}%
11230 \else
11231 \usebox{\hvCaptionBox}%
11232 \fi%
11233 \fi%
11234 \fi
11235 \fi% end of RTL
11236 \fi
11237 \fi
11238 \fi
11239 }% End savebox Object and caption
11240 %
11241 % now we rotate the object and caption, if needed
11242 %
11243 \ifx\hvSet@rotAngle\hv@Zero
11244 \usebox{\@tempboxa}
11245 \else
11246 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11247 \fi
11248 \ifhv@nonFloat
11249 \ifx\hvSet@objectPos\hv@Center
11250 \ifhv@nonFloat
11251 \hspace{\fill}
11252 \fi
11253 \fi
11254 \endgroup% End the nonfloat part
11255 \else
11256 \end{\hv@floatType}% End the floating environment
11257 \fi
11258 }

```

7.70 hyperref-xetex-bidi.def

```

11259 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11260 \AtBeginDocument{%

```



```

11261 \def\contentsline#1#2#3#4{%
11262   \ifx\#4\%
11263     \csname l@#1\endcsname{#2}{#3}%
11264   \else
11265     \ifcase\Hy@linktoc % none
11266       \csname l@#1\endcsname{#2}{#3}%
11267     \or % section
11268       \csname l@#1\endcsname{%
11269         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11270       }{#3}%
11271     \or % page
11272       \csname l@#1\endcsname{#2}{#3}{%
11273         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11274       }%
11275     \else % all
11276       \csname l@#1\endcsname{%
11277         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11278       }{%
11279         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11280       }%
11281     \fi
11282   \fi
11283 }
11284 \ifHy@hyperfootnotes
11285   \let\H@@footnotetext\@footnotetext
11286   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11287   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11288   \def\@xfootnotenext[#1]{%
11289     \begingroup
11290       \csname c@\@mpfn\endcsname #1\relax
11291       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11292     \endgroup
11293     \ifx\@footnotetext\@mpfootnotetext
11294       \expandafter\H@@mpfootnotetext
11295     \else
11296       \expandafter\H@@footnotetext
11297     \fi
11298   }%
11299   \def\@xRTLfootnotenext[#1]{%
11300     \begingroup
11301       \csname c@\@mpfn\endcsname #1\relax
11302       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11303     \endgroup
11304     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11305       \expandafter\HRTL@mpRTLfootnotetext
11306     \else
11307       \expandafter\HRTL@RTLfootnotetext
11308     \fi
11309   }%
11310   \def\@xLTRfootnotenext[#1]{%

```



```

11311 \begingroup
11312   \csname c@\mpfn\endcsname #1\relax
11313   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11314 \endgroup
11315 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11316   \expandafter\HLTR@\mpLTRfootnotetext
11317 \else
11318   \expandafter\HLTR@\@LTRfootnotetext
11319 \fi
11320 }%
11321 \def\@xfootnotemark[#1]{%
11322 \begingroup
11323   \c@footnote #1\relax
11324   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11325 \endgroup
11326   \H@\@footnotemark
11327 }%
11328 \let\H@\mpfootnotetext\mpfootnotetext
11329 \let\HRTL@\mpRTLfootnotetext\mpRTLfootnotetext
11330 \let\HLTR@\mpLTRfootnotetext\mpLTRfootnotetext
11331 \long\def\@mpfootnotetext#1{%
11332   \H@\mpfootnotetext{%
11333     \ifHy@nesting
11334       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11335     \else
11336       \Hy@raisedlink{%
11337         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11338       }#1%
11339     \fi
11340   }%
11341 }%
11342 \long\def\@mpRTLfootnotetext#1{%
11343   \HRTL@\mpRTLfootnotetext{%
11344     \ifHy@nesting
11345       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11346     \else
11347       \Hy@raisedlink{%
11348         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11349       }#1%
11350     \fi
11351   }%
11352 }%
11353 \long\def\@mpLTRfootnotetext#1{%
11354   \HLTR@\mpLTRfootnotetext{%
11355     \ifHy@nesting
11356       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11357     \else
11358       \Hy@raisedlink{%
11359         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11360       }#1%

```



```

11361     \fi
11362   }%
11363 }%
11364 \long\def\@footnotetext#1{%
11365 \H@@footnotetext{%
11366   \ifHy@nesting
11367     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11368   \else
11369     \Hy@raisedlink{%
11370       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11371     }%
11372     \let\@currentHlabel\Hy@footnote@currentHlabel
11373     \let\@currentHref\Hy@footnote@currentHref
11374     \let\@currentlabelname\@empty
11375     #1%
11376   \fi
11377 }%
11378 }%
11379 \long\def\@RTLfootnotetext#1{%
11380 \HRTL@@RTLfootnotetext{%
11381   \ifHy@nesting
11382     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11383   \else
11384     \Hy@raisedlink{%
11385       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11386     }%
11387     \let\@currentHlabel\Hy@footnote@currentHlabel
11388     \let\@currentHref\Hy@footnote@currentHref
11389     \let\@currentlabelname\@empty
11390     #1%
11391   \fi
11392 }%
11393 }%
11394 \long\def\@LTRfootnotetext#1{%
11395 \HLTR@@LTRfootnotetext{%
11396   \ifHy@nesting
11397     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11398   \else
11399     \Hy@raisedlink{%
11400       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11401     }%
11402     \let\@currentHlabel\Hy@footnote@currentHlabel
11403     \let\@currentHref\Hy@footnote@currentHref
11404     \let\@currentlabelname\@empty
11405     #1%
11406   \fi
11407 }%
11408 }%
11409 \@ifpackageloaded{tabularx}{%
11410 \let\HyOrg@TX@endtabularx\TX@endtabularx

```



```

11411 \def\Hy@tabularx@hook{%
11412   \let\@footnotetext\H@footnotetext
11413   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11414   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11415   \let\@footnotemark\H@footnotemark
11416   \let\@mpfootnotetext\H@mpfootnotetext
11417   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
11418   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
11419 }%
11420 \begingroup
11421   \toks@\expandafter{\TX@endtabularx}%
11422   \xdef\Hy@gtemp{%
11423     \noexpand\Hy@tabularx@hook
11424     \the\toks@
11425   }%
11426 \endgroup
11427 \let\TX@endtabularx\Hy@gtemp
11428 }{}%
11429 \@ifpackageloaded{longtable}{%
11430   \CheckCommand*\LT@p@LTRftntext}[1]{%
11431     \edef\@tempa{%
11432       \the\LT@p@ftn
11433       \noexpand\LTRfootnotetext[\the\c@footnote]}%
11434     }%
11435     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11436   }%
11437   \long\def\LT@p@LTRftntext#1{%
11438     \edef\@tempa{%
11439       \the\LT@p@ftn
11440       \begingroup
11441         \noexpand\c@footnote=\the\c@footnote\relax
11442         \noexpand\protected@xdef\noexpand\@thefnmark{%
11443           \noexpand\thempfn
11444         }%
11445         \noexpand\Hy@LT@LTRfootnotetext{%
11446           \Hy@footnote@currentHref
11447         }%
11448       }%
11449       \global\LT@p@ftn\expandafter{
11450         \@tempa{#1}%
11451       }
11452     }%
11453   }%
11454   \long\def\Hy@LT@LTRfootnotetext#1#2{%
11455     \HLTR@LTRfootnotetext{%
11456       \ifHy@nesting
11457         \hyper@@anchor{#1}{#2}%
11458       \else
11459         \Hy@raisedlink{%
11460           \hyper@@anchor{#1}{\relax}%

```



```

11461     }%
11462     \def\@currentHref{#1}%
11463     \let\@currentlabelname\@empty
11464     #2%
11465     \fi
11466   }%
11467 }%
11468 \CheckCommand*\LT@p@RTLftntext}[1]{%
11469   \edef\@tempa{%
11470     \the\LT@p@ftn
11471     \noexpand\RTLfootnotetext[\the\c@footnote]%
11472   }%
11473   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11474 }%
11475 \long\def\LT@p@RTLftntext#1{%
11476   \edef\@tempa{%
11477     \the\LT@p@ftn
11478     \begingroup
11479     \noexpand\c@footnote=\the\c@footnote\relax
11480     \noexpand\protected@xdef\noexpand\@thefnmark{%
11481       \noexpand\thempfn
11482     }%
11483     \noexpand\Hy@LT@RTLfootnotetext{%
11484       \Hy@footnote@currentHref
11485     }%
11486   }%
11487   \global\LT@p@ftn\expandafter{
11488     \@tempa{#1}%
11489   \endgroup
11490 }%
11491 }%
11492 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11493   \RTL@RTLfootnotetext{%
11494     \ifHy@nesting
11495       \hyper@@anchor{#1}{#2}%
11496     \else
11497       \Hy@raisedlink{%
11498         \hyper@@anchor{#1}{\relax}%
11499       }%
11500     \def\@currentHref{#1}%
11501     \let\@currentlabelname\@empty
11502     #2%
11503   \fi
11504 }%
11505 }%
11506 }{}%
11507 \@ifpackageloaded{bidipoem}{%
11508 \long\def\bidipoem@p@ftntext#1{%
11509   \edef\@tempx{%
11510     \the\bidipoem@p@ftn

```



```

11511     \begingroup
11512     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11513     \noexpand\protected@xdef\noexpand\@thefnmark{%
11514     \noexpand\thempfn
11515     }%
11516     \noexpand\Hy@bidipoem@footnotetext{%
11517     \Hy@footnote@currentHref
11518     }%
11519     }%
11520     \global\bidipoem@p@ftn\expandafter{%
11521     \@tempx{#1}%
11522     \endgroup
11523     }%
11524   }%
11525   \long\def\Hy@bidipoem@footnotetext#1#2{%
11526   \H@footnotetext{%
11527   \ifHy@nesting
11528   \hyper@@anchor{#1}{#2}%
11529   \else
11530   \Hy@raisedlink{%
11531   \hyper@@anchor{#1}{\relax}%
11532   }%
11533   \def\@currentHref{#1}%
11534   \let\@currentlabelname\@empty
11535   #2%
11536   \fi
11537   }%
11538 }%
11539   \long\def\bidipoem@p@LTRftntext#1{%
11540   \edef\@tempxi{%
11541   \the\bidipoem@p@ftn
11542   \begingroup
11543   \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11544   \noexpand\protected@xdef\noexpand\@thefnmark{%
11545   \noexpand\thempfn
11546   }%
11547   \noexpand\Hy@bidipoem@LTRfootnotetext{%
11548   \Hy@footnote@currentHref
11549   }%
11550   }%
11551   \global\bidipoem@p@ftn\expandafter{%
11552   \@tempxi{#1}%
11553   \endgroup
11554   }%
11555 }%
11556   \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11557   \HLTR@@LTRfootnotetext{%
11558   \ifHy@nesting
11559   \hyper@@anchor{#1}{#2}%
11560   \else

```



```

11561     \Hy@raisedlink{%
11562         \hyper@@anchor{#1}{\relax}%
11563     }%
11564     \def\@currentHref{#1}%
11565     \let\@currentlabelname\@empty
11566     #2%
11567 \fi
11568 }%
11569 }%
11570 \long\def\bidipoem@p@RTLftntext#1{%
11571 \edef\@tempxi{i}%
11572 \the\bidipoem@p@ftn
11573 \begingroup
11574 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11575 \noexpand\protected@xdef\noexpand\@thefnmark{%
11576 \noexpand\thempfn
11577 }%
11578 \noexpand\Hy@bidipoem@RTLfootnotetext{%
11579 \Hy@footnote@currentHref
11580 }%
11581 }%
11582 \global\bidipoem@p@ftn\expandafter{%
11583 \@tempxi{#1}%
11584 \endgroup
11585 }%
11586 }%
11587 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11588 \HRTL@RTLfootnotetext{%
11589 \ifHy@nesting
11590 \hyper@@anchor{#1}{#2}%
11591 \else
11592 \Hy@raisedlink{%
11593 \hyper@@anchor{#1}{\relax}%
11594 }%
11595 \def\@currentHref{#1}%
11596 \let\@currentlabelname\@empty
11597 #2%
11598 \fi
11599 }%
11600 }%
11601 }-}%
11602 \let\HyOrg@maketitle\maketitle
11603 \def\maketitle{%
11604 \let\Hy@saved@footnotemark\@footnotemark
11605 \let\Hy@saved@footnotetext\@footnotetext
11606 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11607 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11608 \let\@footnotemark\H@footnotemark
11609 \let\@footnotetext\H@footnotetext
11610 \let\@RTLfootnotetext\HRTL@RTLfootnotetext

```




```

11611 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11612 \@ifnextchar[\Hy@maketitle@optarg{% ]
11613   \HyOrg@maketitle
11614   \Hy@maketitle@end
11615 }%
11616 }%
11617 \def\Hy@maketitle@optarg[#1]{%
11618   \HyOrg@maketitle[#{1}]%
11619   \Hy@maketitle@end
11620 }%
11621 \def\Hy@maketitle@end{%
11622   \ifx\@footnotemark\H@@footnotemark
11623     \let\@footnotemark\Hy@saved@footnotemark
11624     \fi
11625   \ifx\@footnotetext\H@@footnotetext
11626     \let\@footnotetext\Hy@saved@footnotetext
11627     \fi
11628   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11629     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11630     \fi
11631   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11632     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11633     \fi
11634 }%
11635 \def\realfootnote{%
11636   \@ifnextchar[\@xfootnote{%
11637     \stepcounter{\@mpfn}%
11638     \protected@xdef\@thefnmark{\thempfn}%
11639     \H@@footnotemark\H@@footnotetext
11640   }%
11641 }%
11642 \fi
11643 \def\Hy@BeginAnnot#1{%
11644   \ifmmode\else\beginL\fi%
11645   \stepcounter{Hy@AnnotLevel}%
11646   \ifnum\value{Hy@AnnotLevel}=\@ne
11647     #1%
11648   \fi
11649 }
11650 \def\Hy@endAnnot{%
11651   \ifnum\value{Hy@AnnotLevel}=\@ne
11652     \Hy@endcolorlink
11653     \@pdfm@mark{eann}%
11654   \fi
11655   \addtocounter{Hy@AnnotLevel}\m@ne
11656   \ifmmode\else\endL\fi%
11657 }
11658 \def\hyper@link#1#2#3{%
11659   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11660 }

```



```

11661 \def\hyper@linkfile#1#2#3{%
11662   \leavevmode
11663   \Hy@BeginAnnot{%
11664     \def\Hy@pstringF{#2}%
11665     \Hy@CleanupFile\Hy@pstringF
11666     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11667     \Hy@pstringdef\Hy@pstringD{#3}%
11668     \Hy@MakeRemoteAction
11669     \@pdfm@mark{%
11670       bann<<%
11671         /Type/Annot%
11672         /Subtype/Link%
11673         \ifHy@pdfa /F 4\fi
11674         \Hy@setpdfborder
11675         \ifx\@filebordercolor\relax
11676         \else
11677           /C[\@filebordercolor]%
11678         \fi
11679         /A<<%
11680         /S/GoToR%
11681         /F(\Hy@pstringF)%
11682         /D%
11683         \ifx\#3\%
11684           [\Hy@href@page\@pdfremotestartview]%
11685         \else
11686           (\Hy@pstringD)%
11687         \fi
11688         \Hy@SetNewWindow
11689         \Hy@href@nextactionraw
11690       >>%
11691     >>%
11692   }%
11693   \Hy@colorlink\@filecolor
11694 }%
11695 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11696 \Hy@EndAnnot
11697 }
11698 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11699   \leavevmode
11700   \Hy@BeginAnnot{%
11701     \Hy@pstringdef\Hy@pstringF{#1}%
11702     \Hy@pstringdef\Hy@pstringP{#3}%
11703     \@pdfm@mark{%
11704       bann<<%
11705         /Type/Annot%
11706         /Subtype/Link%
11707         \ifHy@pdfa /F 4\fi
11708         \Hy@setpdfborder
11709         \ifx\@runbordercolor\relax
11710         \else

```



```

11711         /C[\@runbordercolor]%
11712     \fi
11713     /A<<%
11714         /F(\Hy@pstringF)%
11715         /S/Launch%
11716         \Hy@SetNewWindow
11717         \ifx\#3\%
11718         \else
11719             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11720         \fi
11721         \Hy@href@nextactionraw
11722     >>%
11723 >>%
11724 }%
11725 \Hy@colorlink\@runcolor
11726 }%
11727 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11728 \Hy@EndAnnot
11729 }
11730 \def\hyper@linkurl#1#2{%
11731     \leavevmode
11732     \Hy@BeginAnnot{%
11733         \Hy@pstringdef\Hy@pstringURI{#2}%
11734         \@pdfm@mark{%
11735             bann<<%
11736                 /Type/Annot%
11737                 /Subtype/Link%
11738                 \ifHy@pdfa /F 4\fi
11739                 \Hy@setpdfborder
11740                 \ifx\@urlbordercolor\relax
11741                 \else
11742                     /C[\@urlbordercolor]%
11743                 \fi
11744                 /A<<%
11745                     /S/URI%
11746                     /URI(\Hy@pstringURI)%
11747                     \ifHy@href@ismap
11748                         /IsMap true%
11749                     \fi
11750                 \Hy@href@nextactionraw
11751             >>%
11752         >>%
11753     }%
11754     \Hy@colorlink\@urlcolor
11755 }%
11756 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11757 \Hy@EndAnnot
11758 }
11759 \def\Acrobatmenu#1#2{%
11760     \Hy@Acrobatmenu{#1}{#2}{%

```



```

11761 \Hy@BeginAnnot{%
11762   \EdefEscapeName\Hy@temp@menu{#1}%
11763   \@pdfm@mark{%
11764     bann<<%
11765     /Type/Annot%
11766     /Subtype/Link%
11767     \ifHy@pdfa /F 4\fi
11768     \Hy@setpdfborder
11769     \ifx\@menubordercolor\relax
11770     \else
11771       /C[\@menubordercolor]%
11772     \fi
11773     /A<<%
11774     /S/Named%
11775     /N/\Hy@temp@menu
11776     \Hy@href@nextactionraw
11777     >>%
11778     >>%
11779   }%
11780   \Hy@colorlink\@menucolor
11781 }%
11782 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11783 \Hy@EndAnnot
11784 }%
11785 }
11786 \def\hyper@natlinkstart#1{%
11787   \Hy@backout{#1}%
11788   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11789   \def\hyper@nat@current{#1}%
11790 }
11791 \def\hyper@natlinkend{%
11792   \if@RTL\endR\fi\hyper@linkend
11793 }
11794 \def\hyper@natlinkbreak#1#2{%
11795   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11796 }%
11797 }
11798 \pdfstringdefDisableCommands{%
11799   \let\LRE\@firstofone
11800   \let\LR\@firstofone
11801   \let\RLE\@firstofone
11802   \let\RL\@firstofone
11803   \def\XeTeX{XeTeX}
11804   \def\XeLaTeX{XeLaTeX}
11805 }
11806 \@ifpackageloaded{longtable}{%
11807   \begingroup
11808     \def\y{\LT@array}%
11809     \@ifundefined{scr@LT@array}{%
11810       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%

```



```

11811 }{\def\y{\scr@LT@array}}%
11812 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11813   \expandafter\endgroup
11814   \expandafter\def\y[#1]##2{%
11815     \H@refstepcounter{#1}%
11816     \hyper@makecurrent{table}%
11817     \let\Hy@LT@currentHref\@currentHref
11818     #2\@sharp###4%
11819   }%
11820 }%
11821 \expandafter\expandafter\expandafter\x\y[#1]#2\@nil
11822 \begingroup
11823 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11824   \endgroup
11825   \def\LT@start{%
11826     #1%
11827     \ifvoid\LT@foot#2\fi
11828     \let\@currentHref\Hy@LT@currentHref
11829     \Hy@raisedlink{%
11830       \hyper@anchorstart{\@currentHref}\hyper@anchorend
11831     }%
11832     #3%
11833   }%
11834 }%
11835 \expandafter\x\LT@start\@nil
11836 }{}

```

7.71 leqno-xetex-bidi.def

```

11837 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11838 \renewcommand\@eqnnum{\hb@xt@.01\p{}}%
11839   \rlap{
11840     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\}

```

7.72 letter-xetex-bidi.def

```

11841 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
11842 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
11843   \thispagestyle{firstpage}%
11844   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11845 \else % home address
11846   \thispagestyle{empty}%
11847   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l@
11848     \fromaddress \*[2\parskip]%
11849     \@date \end{tabular}\par}%
11850   \fi
11851   \vspace{2\parskip}%
11852   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
11853   \vspace{2\parskip}%
11854   #1\par\nobreak}
11855 \renewcommand\left@footnoterule{%

```



```

11856 \kern-\p@
11857 \hrule \@width .4\columnwidth
11858 \kern .6\p@}
11859 \renewcommand\right@footnoterule{%
11860 \kern-\p@
11861 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11862 \kern .6\p@}

```

7.73 lettrine-xetex-bidi.def

```

11863 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
11864 \def\@lettrine[#1]#2#3{%
11865 \setcounter{L@lines}{\theDefaultLines}%
11866 \setcounter{L@depth}{\theDefaultDepth}%
11867 \renewcommand*\L@hang{\DefaultLhang}%
11868 \renewcommand*\L@oversize{\DefaultLoversize}%
11869 \renewcommand*\L@raise{\DefaultLraise}%
11870 \renewcommand*\L@ante{ }%
11871 \setlength{\L@Findent}{\DefaultFindent}%
11872 \setlength{\L@Nindent}{\DefaultNindent}%
11873 \setlength{\L@slope}{\DefaultSlope}%
11874 \setlength{\L@novskip}{\DiscardVskip}%
11875 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11876 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11877 \if\DefaultOptionsFile\relax
11878 \else
11879 \begingroup
11880 \InputIfFileExists{\DefaultOptionsFile}%
11881 {}%
11882 {\PackageWarning{lettrine.sty}%
11883 {File \DefaultOptionsFile\space not found}}%
11884 }%
11885 \def\color##1##{\l@color{##1}}%
11886 \let\l@color\@gobbletwo
11887 \def\textcolor##1##{\l@textcolor{##1}}%
11888 \def\l@textcolor##1##2##3{##3}%
11889 \expandafter\ifx\csname l@#2-keys\endcsname\relax
11890 \gdef\l@L@Keys{}%
11891 \else
11892 \xdef\l@L@Keys{\csname l@#2-keys\endcsname}%
11893 \fi
11894 \endgroup
11895 \def\KV@prefix{KV@L@}%
11896 \let\@tempc\relax
11897 \expandafter\KV@do\l@L@Keys,\relax,
11898 \sbox{\L@lbox}{\LettrineFont #2}%
11899 \setlength{\LettrineWidth}{\wd\L@lbox}%
11900 \def\KV@prefix{KV@L@}%
11901 \let\@tempc\relax
11902 \expandafter\KV@do\l@L@Keys,\relax,

```



```

11903 \fi
11904 \setkeys{L}{#1}%
11905 \ifL@image
11906   \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11907 \else
11908   \sbox{\L@lbox}{\LettrineFont #2}%
11909 \fi
11910 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
11911 \@tempdima=\baselineskip
11912 \ifnum\theL@lines=1
11913   \setlength{\L@first}{\ht\L@lbox}%
11914   \addtolength{\L@first}{-\ht\L@tbox}%
11915   \setlength{\L@lraise}{\z@}%
11916 \else
11917   \setlength{\L@first}{-\theL@lines\@tempdima}%
11918   \addtolength{\L@first}{\@tempdima}%
11919   \sbox{\@tempboxa}{\LettrineTextFont x}%
11920   \addtolength{\L@first}{-\ht\@tempboxa}%
11921   \setlength{\L@lraise}{-\L@raise\L@first}%
11922   \addtolength{\L@first}{\L@lraise}%
11923   \addtolength{\L@first}{\ht\L@lbox}%
11924   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11925   \addtolength{\L@lraise}{\@tempdima}%
11926 \fi
11927 \par
11928 \ifdim\L@first>\L@novskip
11929   \ifL@grid
11930     \@tempdima=\baselineskip
11931     \@tempdimb=\@tempdima
11932     \advance\@tempdimb by \L@novskip
11933     \@tempcnta=1
11934     \loop\ifdim\L@first>\@tempdimb
11935       \advance\@tempcnta by 1
11936       \advance\L@first by -\@tempdima
11937     \repeat
11938     \vskip\@tempcnta\baselineskip
11939   \else
11940     \vskip\L@first
11941   \fi
11942 \fi
11943 \setlength{\L@Pindent}{\wd\L@lbox}%
11944 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11945 \settowidth{\L@first}{\L@ante}%
11946 \addtolength{\L@Pindent}{\L@first}%
11947 \addtolength{\L@Pindent}{\L@Findent}%
11948 \setlength{\L@first}{\linewidth}%
11949 \addtolength{\L@first}{-\L@Pindent}%
11950 \addtolength{\L@Nindent}{\L@Pindent}%
11951 \setlength{\L@next}{\linewidth}%
11952 \addtolength{\L@next}{-\L@Nindent}%

```



```

11953 \addtolength{\L@Pindent}{\rightmargin}%
11954 \addtolength{\L@Nindent}{\rightmargin}%
11955 \setlength{\LettrineWidth}{\wd\L@lbox}%
11956 \setlength{\LettrineHeight}{\ht\L@lbox}%
11957 \setlength{\LettrineDepth}{\dp\L@lbox}%
11958 \addtocounter{L@lines}{1}%
11959 \addtocounter{L@lines}{\the\c@L@depth}%
11960 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
11961 \@tempcnta=\tw@
11962 \@whilenum \@tempcnta<\c@L@lines\do{%
11963   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the
11964     \addtolength{\L@Nindent}{\L@slope}%
11965     \addtolength{\L@next}{-\L@slope}%
11966     \advance\@tempcnta\@ne}%
11967 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
11968 \noindent
11969 \parshape=\L@parshape\relax
11970 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11971   \hskip \the\L@Findent}}%
11972 \usebox{\L@tbox}%
11973 }

```

7.74 listings-xetex-bidi.def

```

11974 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
11975 \lstKey{captiondirection}{textdirection}{%
11976   \lstKV@SwitchCases{#1}%
11977   {textdirection&\\%
11978     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11979     LTR&\chardef\bidi@lst@caption@direction\z@%
11980   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11981 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
11982   \@ifundefined{bidi@lst@caption@direction}{}{%
11983     \ifnum\bidi@lst@caption@direction=\z@%
11984       #1%
11985     \else%
11986       \ifnum\bidi@lst@caption@direction=\@ne%
11987         #2%
11988       \fi%
11989     \fi%
11990 }}
11991 \long\def\@bidi@lst@makecaption#1#2{%
11992   \vskip\abovcaptionskip
11993   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11994   \sbox\@tempboxa{%
11995     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
11996     #1: #2%
11997     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
11998   }%
11999   \ifdim \wd\@tempboxa >\hsize

```




```

12000     #1: #2\par
12001     \else
12002         \global \@minipagefalse
12003         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12004     \fi
12005     \vskip\belowcaptionskip}%
12006 \def\lst@makecaption{\@bidi\lst@makecaption}
12007 \def\lst@maketitle{\@bidi\lst@makecaption\lst@title@dropdelim}
12008 \bidi@patchcmd{\lst@MakeCaption}{%
12009     \ifx #1%
12010         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12011             \expandafter\refstepcounter
12012         \fi {lstlisting}%
12013 }{%
12014     \ifx #1%
12015         \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12016         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12017             \expandafter\refstepcounter
12018         \fi {lstlisting}%
12019         \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12020 }{}%
12021 \bidi@patchcmd{\lst@MakeCaption}{%
12022     \addcontentsline{lol}{lstlisting}%
12023     {\protect\numberline{\thelstlisting}\lst@@caption}%
12024 }{%
12025 \begingroup%
12026     \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12027     \addcontentsline{lol}{lstlisting}%
12028     {\protect\numberline{\thelstlisting}\lst@@caption}%
12029 \endgroup%
12030 }{}%
12031 \AtBeginDocument{%
12032 \ifundefined{captionlabelfalse}{}{%
12033     \def\lst@maketitle{\captionlabelfalse\@bidi\lst@makecaption\@empty}}%
12034 \ifundefined{caption@startrue}{}{%
12035     \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}}%
12036 }
12037 \AtBeginDocument{
12038     \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12039     \lst@ifnumberbychapter
12040         \gdef\thelstlisting%
12041             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12042     \else
12043         \gdef\thelstlisting{\@arabic\c@lstlisting}
12044     \fi}

```

7.75 loadingorder-xetex-bidi.def

```

12045 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12046 \bidi@isloaded{amsmath}

```



```

12047 \bidi@isloaded{amstext}
12048 \bidi@isloaded{amsthm}
12049 \bidi@isloaded{animate}
12050 \bidi@isloaded{breqn}
12051 \bidi@isloaded{cals}
12052 \bidi@isloaded{caption}
12053 \bidi@isloaded{crop}
12054 \bidi@isloaded{cuted}
12055 \bidi@isloaded{cutwin}
12056 \bidi@isloaded{color}
12057 \bidi@isloaded{dblfnote}
12058 \bidi@isloaded{xcolor}
12059 \bidi@isloaded{colortbl}
12060 \bidi@isloaded{float}
12061 \bidi@isloaded{floatrow}
12062 \bidi@isloaded{flowfram}
12063 \bidi@isloaded{framed}
12064 \bidi@isloaded{ftnright}
12065 \bidi@isloaded{xltextra}
12066 \bidi@isloaded{xunicode}
12067 \bidi@isloaded{wrapfig}
12068 \bidi@isloaded{graphicx}
12069 \bidi@isloaded{geometry}
12070 \bidi@isloaded{hvfloat}
12071 \bidi@isloaded{mdframed}
12072 \bidi@isloaded{midfloat}
12073 \bidi@isloaded{ntheorem}
12074 \bidi@isloaded{ntheorem-hyper}
12075 \bidi@isloaded{hyperref}
12076 \bidi@isloaded{fancybox}
12077 \bidi@isloaded{fancyhdr}
12078 \bidi@isloaded{fix2col}
12079 \bidi@isloaded{draftwatermark}
12080 \bidi@isloaded{empheq}
12081 \bidi@isloaded{overpic}
12082 \bidi@isloaded{pdfpages}
12083 \bidi@isloaded{listings}
12084 \bidi@isloaded{lettrine}
12085 \bidi@isloaded{media9}
12086 \bidi@isloaded{pstricks}
12087 \bidi@isloaded{pgf}
12088 \bidi@isloaded{picinpar}
12089 \bidi@isloaded{quotchap}
12090 \bidi@isloaded{tikz}
12091 \bidi@isloaded{titlesec}
12092 \bidi@isloaded{titletoc}
12093 \bidi@isloaded{array}
12094 \bidi@isloaded{soul}
12095 \bidi@isloaded{stabular}
12096 \bidi@isloaded{subfig}

```



```

12097 \bidi@isloaded{subfigure}
12098 \bidi@isloaded{supertabular}
12099 \bidi@isloaded{xtab}
12100 \bidi@isloaded{longtable}
12101 \bidi@isloaded{arydshln}
12102 \bidi@isloaded{multicol}
12103 \bidi@isloaded{multienum}
12104 \bidi@isloaded{minitoc}
12105 \bidi@isloaded{natbib}
12106 \bidi@isloaded{newfloat}
12107 \bidi@isloaded{ragged2e}
12108 \bidi@isloaded{rotating}
12109 \bidi@isloaded{tbls}
12110 \bidi@isloaded{tabulary}
12111 \bidi@isloaded{tocstyle}
12112 \bidi@isloaded{tocbibind}
12113 \bidi@isloaded{fontspec}
12114 \bidi@isloaded{arabxetex}
12115 \bidi@isloaded{polyglossia}
12116 \bidi@isloaded{fancyvrb}
12117 \AtBeginDocument{
12118   \if@bidi@amsmathloaded@else
12119     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12120     \fi%
12121     \if@bidi@amstextloaded@else
12122       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12123       \fi%
12124       \if@bidi@amsthmloaded@else
12125         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
12126         \fi%
12127         \if@bidi@animateloaded@else
12128           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12129           \fi%
12130           \if@bidi@breqnloaded@else
12131             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
12132             \fi%
12133             \if@bidi@calsloaded@else
12134               \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12135               \fi%
12136               \if@bidi@captionloaded@else
12137                 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12138                 \fi%
12139                 \if@bidi@croplloaded@else
12140                   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12141                   \fi%
12142                   \if@bidi@colorloaded@else
12143                     \@ifpackageloaded{hyperref}{}{%
12144                       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12145                       \fi%
12146                     \if@bidi@cutwinloaded@else

```



```

12147 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. P
12148 \fi%
12149 \if@bidi@cutedloaded@else
12150 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. P
12151 \fi%
12152 \if@bidi@dblfnoteloaded@else
12153 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12154 \fi%
12155 \if@bidi@xcolorloaded@else
12156 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. P
12157 \fi%
12158 \if@bidi@colortblloaded@else
12159 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12160 \fi%
12161 \if@bidi@floatloaded@else
12162 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. P
12163 \fi%
12164 \if@bidi@floatrowloaded@else
12165 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12166 \fi%
12167 \if@bidi@flowframloaded@else
12168 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12169 \fi%
12170 \if@bidi@framedloaded@else
12171 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. P
12172 \fi%
12173 \if@bidi@ftnrightloaded@else
12174 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12175 \fi%
12176 \if@bidi@xltxtraloaded@else
12177 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. F
12178 \fi%
12179 \if@bidi@xunicodeloaded@else
12180 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12181 \fi%
12182 \if@bidi@wrapfigloaded@else
12183 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. F
12184 \fi%
12185 \if@bidi@graphicxloaded@else
12186 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12187 \fi%
12188 \if@bidi@geometryloaded@else
12189 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12190 \fi%
12191 \if@bidi@hvfloatloaded@else
12192 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. F
12193 \fi%
12194 \if@bidi@mdframedloaded@else
12195 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12196 \fi%

```



```

12197         \if@bidi@midfloatloaded@else
12198     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12199     \fi%
12200         \if@bidi@theoremloaded@else
12201     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12202     \fi%
12203     \if@bidi@hyperrefloaded@else
12204     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12205     \fi%
12206         \if@bidi@fancyboxloaded@else
12207     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12208     \fi%
12209         \if@bidi@fancyhdrloaded@else
12210     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12211     \fi%
12212     \if@bidi@draftwatermarkloaded@else
12213     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12214     \fi%
12215     \if@bidi@empheqloaded@else
12216     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
12217     \fi%
12218         \if@bidi@overpicloaded@else
12219     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12220     \fi%
12221         \if@bidi@pdfpagesloaded@else
12222     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12223     \fi%
12224     \if@bidi@lettrineloaded@else
12225     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12226     \fi%
12227     \if@bidi@listingsloaded@else
12228     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12229     \fi%
12230     \csname if@bidi@media9loaded@endcsname\else
12231     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12232     \fi%
12233     \if@bidi@pstricksloaded@else
12234     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12235     \fi%
12236     \if@bidi@pgfloaded@else
12237     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12238     \fi%
12239     \if@bidi@picinparloaded@else
12240     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12241     \fi%
12242     \if@bidi@quotchaploaded@else
12243     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12244     \fi%
12245     \if@bidi@tikzloaded@else
12246     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Pleas

```



```

12247 \fi%
12248 \if@bidi@titlesecloaded@else
12249 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12250 \fi%
12251 \if@bidi@titletocloaded@else
12252 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12253 \fi%
12254 \if@bidi@arrayloaded@else
12255 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12256 \fi%
12257 \if@bidi@stabularloaded@else
12258 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12259 \fi%
12260 \if@bidi@soulloaded@else
12261 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12262 \fi%
12263 \if@bidi@subfigloaded@else
12264 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PI
12265 \fi%
12266 \if@bidi@subfigureloaded@else
12267 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12268 \fi%
12269 \if@bidi@supertabularloaded@else
12270 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12271 \fi%
12272 \if@bidi@xtabloaded@else
12273 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12274 \fi%
12275 \if@bidi@longtableloaded@else
12276 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12277 \fi%
12278 \if@bidi@arydshlnloaded@else
12279 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12280 \fi%
12281 \if@bidi@multicolloaded@else
12282 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12283 \fi%
12284 \if@bidi@multienumloaded@else
12285 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12286 \fi%
12287 \if@bidi@minitocloaded@else
12288 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. F
12289 \fi%
12290 \if@bidi@natbibloaded@else
12291 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. PI
12292 \fi%
12293 \if@bidi@newfloatloaded@else
12294 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12295 \fi%
12296 \cename if@bidi@ragged2eloaded@endcsname\else

```



```

12297 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12298 \fi%
12299 \if@bidi@rotatingloaded@else
12300 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12301 \fi%
12302 \if@bidi@tblsloaded@else
12303 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
12304 \fi%
12305 \if@bidi@tabularyloaded@else
12306 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12307 \fi%
12308 \if@bidi@tocstyleloaded@else
12309 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12310 \fi%
12311 \if@bidi@tocbibindloaded@else
12312 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12313 \fi%
12314 \if@bidi@fontspecloaded@else
12315 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12316 \fi%
12317 \if@bidi@arabxetexloaded@else
12318 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12319 \fi%
12320 \if@bidi@polyglossialoaded@else
12321 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12322 \fi%
12323 \if@bidi@fancyvrbloaded@else
12324 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12325 \fi%
12326 }

```

7.76 longtable-xetex-bidi.def

```

12327 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
12328 \def\LT@array[#1]#2{%
12329 \refstepcounter{table}\stepcounter{LT@tables}%
12330 \if l#1%
12331 \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
12332 \else\if r#1%
12333 \if@RTLtab\LTleft\z@ \LTright\fillelse\LTleft\fill \LTright\z@\fi
12334 \else\if c#1%
12335 \LTleft\fill \LTright\fill
12336 \fi\fi\fi
12337 \let\LT@mcol\multicolumn
12338 \let\LT@@tabarray\@tabarray
12339 \let\LT@@hl\hline
12340 \def\@tabarray{%
12341 \let\hline\LT@@hl
12342 \LT@@tabarray}%
12343 \let\\LT@tabularcr\let\tabularnewline\\%

```



```

12344 \def\newpage{\noalign{\break}}%
12345 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk-}4}%
12346 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk4}}%
12347 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12348 \@tempdima\ht\strutbox
12349 \let\@endpbox\LT@endpbox
12350 \ifx\extrarowheight\@undefined
12351   \let\@acol\@tabacol
12352   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12353   \def\@startpbox{\vtop\LT@startpbox}%
12354   \let\@startpbox\@startpbox
12355   \let\@endpbox\@endpbox
12356   \let\LT@LL@FM@cr\@tabularcr
12357 \else
12358   \advance\@tempdima\extrarowheight
12359   \col@sep\@tabcolsep
12360   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12361 \fi
12362 \setbox\@arstrutbox\hbox{\vrule
12363   \@height \arraystretch \@tempdima
12364   \@depth \arraystretch \dp \strutbox
12365   \@width \z@}%
12366 \let\@sharp##\let\protect\relax
12367 \begingroup
12368   \mkpream{#2}%
12369   \xdef\LT@bchunk{%
12370     \global\advance\c@LT@chunks\@ne
12371     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12372     \LT@setprevdepth
12373     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12374     \tabskip\z@ \carstrut \@preamble \tabskip\LTRight \cr}%
12375 \endgroup
12376 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12377 \LT@make@row
12378 \m@th\let\par\@empty
12379 \everycr{\lineskip\z@\baselineskip\z@
12380 \LT@bchunk}
12381 \def\LT@makecaption#1#2#3{%
12382 \LT@mc@l\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
12383   \sbox\@tempboxa{\ifRTL\beginR\fi#1{#2: }#3\ifRTL\endR\fi}%
12384   \ifdim\wd\@tempboxa>\hsize
12385     #1{#2: }#3%
12386   \else
12387     \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
12388 \fi
12389 \endgraf\vskip\baselineskip}%
12390 \hss}}
12391 \def\LT@startpbox#1{%
12392 \bgroup
12393 \let\@footnotetext\LT@p@ftntext

```




```

12394 \let\@LTRfootnotetext\LT@p@LTRftntext
12395 \let\@RTLfootnotetext\LT@p@RTLftntext
12396 \setlength\hsize{#1}%
12397 \@arrayparboxrestore
12398 \vrule \@height \ht\@arstrutbox \@width \z@}
12399 \def\LT@p@LTRftntext#1{%
12400 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
12401 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12402 \def\LT@p@RTLftntext#1{%
12403 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
12404 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

12405 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12406 \newif\if@bidi@mdf@RTL
12407 \def\mdf@lrbox#1{%
12408 \mdf@patchamsthm%patch amsthm
12409 \if@RTL\@bidi@mdf@RTLtrue\fi%
12410 \@RTLfalse%
12411 \setbox#1\vbox\bgroup%
12412 \color@begingroup%
12413 \if@bidi@mdf@RTL\@RTLtrue\fi%
12414 \mdf@horizontalmargin@equation%
12415 \columnwidth=\hsize%
12416 \textwidth=\hsize%
12417 \let\if@nobreak\iffalse%
12418 \let\if@noskipsec\iffalse%
12419 \let\par\@par%
12420 \let-\@dischyph%
12421 \let'\@acci\let\@accii\let\@acciii%
12422 \parindent\z@ \parskip\z@skip%
12423 \linewidth\hsize%
12424 \@totalleftmargin\z@%
12425 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12426 \parfillskip\@flushglue \lineskip\normallineskip%
12427 \baselineskip\normalbaselineskip%
12428 %% \sloppy%
12429 \let\\\@normalcr%
12430 \mdf@par@local%New feature to restore parskip/parindent local in save box
12431 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12432 \@afterindentfalse%
12433 %\@afterheading%
12434 }
12435 \renewrobustcmd\mdfframedtitleenv[1]{%
12436 \mdf@lrbox{\mdf@frametitlebox}%
12437 \mdf@frametitlealignment%
12438 \leavevmode{\color{\mdf@frametitlefontcolor}%
12439 \normalfont\mdf@frametitlefont{#1}
12440 \ifbool{mdf@ignorelastdescenders}%

```



```

12441     {%
12442     \par\strut\par
12443     \unskip\unskip\setbox0=\lastbox
12444     \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12445     }{}}%
12446 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12447 \endmdf@lrbox\relax%
12448 \mdf@ignorevbadness%
12449 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12450 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12451 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12452 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12453 \mdfframetitleboxtotalheight=\dimexpr
12454     \ht\mdf@frametitlebox
12455     +\dp\mdf@frametitlebox%
12456     +\mdf@frametitleaboveskip@length
12457     +\mdf@frametitlebelowskip@length
12458     \relax%
12459 }
12460
12461 \renewrobustcmd*\mdf@footnoteoutput{%
12462     \ifvoid\@mpfootins\else%
12463     \nobreak%
12464     \vskip\mdf@footnotedistance@length%
12465     \normalcolor%
12466     \bidi@mpfootnoterule%
12467     \unvbox\@mpfootins%
12468     \fi%
12469 }
12470
12471
12472 \renewrobustcmd*\mdf@footnoteinput{%
12473     \def\@mpfn{mpfootnote}%
12474     \def\thempfn{\thempfootnote}%
12475     \c@mpfootnote\z@%
12476     \let\@footnotetext\@mpfootnotetext%
12477     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12478     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12479 }

```

7.78 bidi-media9.sty

```

12480 \ProvidesExplPackage{bidi-media9}{2015/11/24}{0.1}
12481 {bidi fixes for media9 package for the XeTeX engine}
12482
12483 \keys_define:nn{media9/mbtn}{
12484   overface .code:n = {
12485     \hbox_set:Nn\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12486     \mix_pdfxform:n{\l_mix_poster_box}
12487     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}

```



```

12488 },
12489 overface .value_required:n = {true},
12490
12491 downface .code:n = {
12492   \hbox_set:Nn\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12493   \mix_pdfxform:n{\l_mix_poster_box}
12494   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12495 },
12496 downface .value_required:n = {true}
12497 }
12498
12499
12500
12501
12502 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
12503   \mix_uriend:
12504   \group_begin:
12505   \beginL
12506   \leavevmode
12507   %empty stream as appearance dummy
12508   \cs_if_exist:NF\g_mix_appearance_tl{
12509     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12510     \mix_pdfxform:n{\l_mix_poster_box}
12511     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12512   }
12513   \mix_reset:
12514   \mix_uribegin: %treat URI characters correctly
12515   \keys_set:nn{media9/user}{#1}
12516   \mix_uriend:
12517   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12518   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12519   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}={=}
12520   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=-}={=}
12521   \tl_gtrim_spaces:N\g_mix_flashvars_tl
12522
12523   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12524
12525   \hbox_set:Nn\l_mix_poster_box{\group_begin:\if@RTL\beginR\fi#2\if@RTL\endR\fi\group_end:}
12526   %\hbox_set:Nn\l_mix_poster_box{#2}
12527   \mix_scale:n{\l_mix_poster_box}
12528   \bool_if:nT{
12529     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12530     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12531   }{
12532     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12533   }
12534   \bool_if:NTF\g_mix_usrdraft_bool{
12535     \tl_if_empty:NF\g_mix_usrlabel_tl{
12536       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12537     }

```



```

12538 \tl_if_blank:oTF{#2}{
12539   \mix_uribegin: %treat URI characters correctly
12540   \mix_draftbox:n{\tl_to_str:n{#3}}
12541   \mix_uriend:
12542 }{
12543   \hbox_to_wd:nn{\g_mix_wd_tl}{
12544     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12545     \box_use:N\l_mix_poster_box\hss
12546   }
12547 }
12548 }{
12549   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12550     %attach script that switches off play button overlay upon activation
12551     \mix_pdfobj:nnn{}{stream}{
12552       var~ocgs=host.getOCGs(host.pageNum);
12553       for(var~i=0;i<ocgs.length;i++){
12554         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12555           ocgs[i].state=false;
12556         }
12557       }
12558     }
12559     \mix_pdfobj:nnn{}{dict}{
12560       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12561     }
12562     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12563     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12564     %enforce plain playbutton overlay for XeTeX
12565     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12566   }
12567   %embed main asset
12568   \mix_uribegin:
12569   \mix_embedasset:n{#3}
12570   \bool_if:nTF{
12571     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12572   }{
12573     \bool_gset_true:N\g_mix_iiid_bool
12574     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12575   }{
12576     \str_case_x:nnF{\l_mix_base_tl}{
12577       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12578       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12579       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12580       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12581       {StrobeMediaPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12582     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12583   }
12584   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12585   \mix_uriend:
12586   %secondary assets (added by addresource)
12587   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n

```



```

12588 \seq_map_inline:Nn\g_mix_script_seq{
12589   \mix_embedasset:n{##1}
12590   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12591 }
12592 %attach 3D calculation script
12593 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12594   \mix_embedasset:n{3Dmenu.js}
12595   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12596 }
12597 %create 3D views from file (option 3Dviews)
12598 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12599   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
12600   \int_zero:N\l_mix_viewcnt_int
12601   \int_zero:N\l_mix_lineno_int
12602
12603   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12604   \ior_map_inline:Nn\l_mix_vfile_stream{
12605     \int_incr:N\l_mix_lineno_int
12606     \keys_set:nn{media9/views}{##1} %process input line
12607   }
12608   \ior_close:N\l_mix_vfile_stream
12609 }
12610 \bool_if:nT{ %create default 3D view if required
12611   \g_mix_iiid_bool &&
12612   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
12613 }{
12614   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
12615   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
12616   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
12617   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
12618   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
12619   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
12620   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
12621
12622   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
12623   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
12624   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
12625   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
12626
12627   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
12628   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
12629   \tl_clear:N\l_mix_naarray_tl
12630
12631   \bool_if:NF\l_mix_ciiw_bool{
12632     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
12633     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
12634   }
12635
12636   \tl_clear:N\l_mix_naarray_tl
12637   \tl_clear:N\l_mix_saarray_tl

```



```

12638     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
12639
12640     \mix_view:n{Default}
12641     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
12642
12643   }
12644   \mix_pdfobj:nnn{}{dict}{
12645     /Type/RichMediaInstance
12646     /Subtype/\g_mix_mainassetsub_tl
12647     /Asset~\g_mix_mainasset_tl
12648     \bool_if:NF\g_mix_iiid_bool{
12649       /Params~<<
12650         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
12651           /Foreground
12652         }{
12653           /Background
12654         }
12655         \tl_if_blank:VF\g_mix_flashvars_tl{
12656           /FlashVars~(\g_mix_flashvars_tl)
12657         }
12658       >>
12659     }
12660   }
12661   \tl_if_empty:NF\g_mix_usrlabel_tl{
12662     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
12663   }
12664   \mix_pdfobj:nnn{}{dict}{
12665     /Type/RichMediaConfiguration
12666     /Subtype/\g_mix_mainassetsub_tl
12667     /Instances~[\mix_pdflastobj:]
12668   }
12669   \mix_pdfobj:nnn{}{dict}{
12670     /Type/RichMediaContent
12671     /Assets~<</Names~[\g_mix_assets_tl]>>
12672     /Configurations~[\mix_pdflastobj:]
12673     \bool_if:nT{
12674       \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
12675     }{
12676       /Views~[\l_mix_iiidviewarray_tl]
12677     }
12678   }
12679   \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
12680   \bool_if:nT{
12681     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
12682   }{
12683     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
12684   }
12685   %determine floating window size
12686   \bool_if:NT\g_mix_opt_windowed_bool{
12687     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop

```



```

12688 }
12689 \mix_pdfobj:nnn{}{dict}{
12690   /Activation~<<
12691     /Condition\g_mix_act_tl
12692     \bool_if:nT{
12693       \g_mix_iiid_bool &&
12694       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
12695     }{%seems to work only with 3D content
12696       /Animation~<<
12697         /Subtype/\g_mix_playtpe_tl
12698         /PlayCount~\g_mix_playcnt_tl
12699         /Speed~\g_mix_playspd_tl
12700       >>
12701     }
12702     \bool_if:nT{
12703       \g_mix_iiid_bool && (
12704       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
12705       )
12706     }{/View~\l_mix_dfltview_tl}
12707     /Presentation~<<
12708       /Transparent~\g_mix_transp_tl
12709       \bool_if:NTF\g_mix_opt_windowed_bool{
12710         /Style/Windowed
12711         /Window~<<
12712           /Width~<</Default~\tl_mix_fltwd>>
12713           /Height~<</Default~\tl_mix_fltht>>
12714           /Position~<<
12715             /HOffset-0/VOffset-0
12716             \str_case_x:nnF{\g_mix_winpos_tl}{
12717               {tl}{/VAlign/Near/HAlign/Near}
12718               {cl}{/VAlign/Center/HAlign/Near}
12719               {bl}{/VAlign/Far/HAlign/Near}
12720               {bc}{/VAlign/Far/HAlign/Center}
12721               {br}{/VAlign/Far/HAlign/Far}
12722               {cr}{/VAlign/Center/HAlign/Far}
12723               {tr}{/VAlign/Near/HAlign/Far}
12724               {tc}{/VAlign/Near/HAlign/Center}
12725             }{/HAlign/Center/VAlign/Center}
12726           >>
12727         >>
12728       }{
12729         /Style/Embedded
12730       }
12731       \bool_if:NTF\g_mix_iiid_bool{
12732         /Toolbar~\g_mix_tools_tl
12733         /NavigationPane~\g_mix_nav_tl
12734       }{
12735         /PassContextClick~\g_mix_contextclick_tl
12736       }
12737     >>

```



```

12738     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
12739     >>
12740     /Deactivation~<</Condition\g_mix_deact_tl>>
12741   }
12742   \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
12743   \tl_if_empty:NF\g_mix_usrlabel_tl{
12744     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
12745   }
12746   % #1:width, #2:height, #3:depth, #4:content (key-value)
12747   \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
12748     /Subtype/RichMedia
12749     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
12750     /BS~<</W~0/S/S>>
12751     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
12752     /NM~(\g_mix_label_tl)
12753     /AP~<</N~\g_mix_appearance_tl>>
12754     /RichMediaSettings~\l_mix_settings_tl
12755     /RichMediaContent~\l_mix_content_tl
12756   }
12757   \tl_if_empty:NF\g_mix_usrlabel_tl{
12758     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
12759     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
12760       \noexpand\the\g@mix@page@int}
12761   }
12762   \mix_pdfobj:nnn{}{dict}{
12763     /S/JavaScript/JS~(
12764     try{
12765       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12766       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
12767         annotRM['\g_mix_label_tl']=
12768           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
12769       }
12770       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
12771         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
12772           var~ocgs=this.getOCGs(this.pageNum);
12773           for(var~i=0;i<ocgs.length;i++){
12774             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12775               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
12776             }
12777           }
12778         }
12779         if(
12780           !annotRM['\g_mix_label_tl'].activated&&(
12781             app.viewerType=='Reader' ||
12782             app.viewerType=='Exchange' ||
12783             app.viewerType=='Exchange-Pro'
12784           )&&app.viewerVersion>=9
12785         ){
12786           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
12787         }

```




```

12788     }
12789     }catch(e){}
12790     this.dirty=false;
12791   )
12792 }
12793 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
12794   /Subtype/Widget
12795   /FT/Btn/Ff~65537/F~2
12796   /BS~<</W~0>>
12797   /T~(fd@g_mix_label_tl)
12798   /AA~<</P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
12799 }
12800 \tl_gput_right:Nx@anim@fields{\space\mix_pdflastann:\space}
12801 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
12802 \str_if_eq_x:nnTF{g_mix_usrpbtn_tl}{none}{
12803   \hbox_to_wd:nn{g_mix_wd_tl}{
12804     \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
12805   }
12806 }{%insert play button overlay
12807   \mix_insert_btnocg: %create OCG
12808   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@g_mix_usrpbtn_tl @tl}
12809   \hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
12810   \box_move_down:nn{g_mix_dp_tl}{
12811     \hbox_to_wd:nn{g_mix_wd_tl}{
12812       \vbox_to_ht:nn{g_mix_tt_tl}{
12813         \vss
12814         \ocgbase_oc_bdc:n{g_mix_btnocg_tl}
12815         \box_use:N\l_mix_pbtn_box
12816         \ocgbase_oc_emc:
12817       }
12818     }
12819   }
12820 }
12821 \int_gincr:N\g_mix_rmcnt_int
12822 }
12823 \endL
12824 \group_end:
12825 }
12826 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
12827 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
12828
12829
12830
12831 \RenewDocumentCommand\mediabutton{0}{m}{%#1 options, #2 normal button text
12832   \mix_uriend:
12833   \group_begin:
12834   \beginL
12835   \leavevmode
12836   %reset various variables
12837   \tl_gclear:N\g_mix_overbtn_tl

```



```

12838 \tl_gclear:N\g_mix_downbtn_tl
12839 \tl_gclear:N\g_mix_btnactions_tl
12840 \tl_gclear:N\g_mix_tooltip_tl
12841 %process options
12842 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
12843 \mix_uribegin: %treat URI characters correctly
12844 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
12845 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
12846 \mix_uriend:
12847 %normal button appearance
12848 \hbox_set:Nn\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12849 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
12850 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
12851 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
12852 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
12853   \mix_pdfxform:n{\l_mix_poster_box}
12854   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
12855   \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
12856 %   \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
12857     !\cs_if_exist:NTF\ocgxii@insert@OC{
12858       \tl_if_blank_p:V\ocgxii@insert@OC
12859     }{
12860       \c_true_bool
12861     }
12862 }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F-2}}
12863 %insert widget annotation
12864 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
12865   /Subtype/Widget
12866   /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
12867   \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
12868   /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
12869   \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
12870   /AP~<<
12871   /N~\g_mix_normalbtn_tl
12872   \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
12873   \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
12874   >>
12875   /MK~<<
12876   /TP~1~/IF~<</S/A/FB~true/A-[0.0~0.0]>>
12877   /I~\g_mix_normalbtn_tl
12878   \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
12879   \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
12880   >>
12881   /A~<<
12882   /S/JavaScript/JS~(app.focusRect=false;)
12883   %sequence of actions to perform
12884   \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
12885   >>
12886 }
12887 \tl_gput_right:Nx\@anim@fields{\mix_pdflastann:\space}

```



```

12888   \hbox_to_wd:nn{\width}{
12889     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
12890   }
12891   \int_gincr:N\g_mix_mbtncnt_int
12892   \cs_if_exist:NF\g_mix_dpiwarned_tl{
12893     \tl_new:N\g_mix_dpiwarned_tl
12894     \AtEndDvi{\special{ps::[nobreak]\mix_dpiwarning:}}
12895   }
12896 }
12897 \endL
12898 \group_end:
12899 }
12900 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
12901 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
12902
12903
12904

```

7.79 memoir-xetex-bidi.def

```

12905 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
12906 \renewcommand{\keepthetitle}{%
12907   \@bsmtitleempty
12908   \global\let\thanks\relax
12909   \global\let\LTRthanks\relax
12910   \global\let\RTLthanks\relax
12911   \global\let\and\relax
12912   \global\let\andnext\relax
12913   \global\let\@thanks\@empty
12914   \global\let\@title\@empty
12915   \global\let\@author\@empty
12916   \global\let\@date\@empty}
12917 \renewcommand{\maketitle}{\par
12918   \begingroup
12919     \@bsmarkseries
12920     \def\@makefnmark{\@textsuperscript{%
12921       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
12922     \long\def\@makefntext##1{\makethanksmark ##1}
12923     \if@twocolumn
12924       \ifnum \col@number=\@ne
12925         \@maketitle
12926       \else
12927         \twocolumn[\@maketitle]%
12928       \fi
12929     \else
12930       \ifdim\pagetotal>\z@
12931         \newpage
12932       \fi
12933       \global\@topnum\z@
12934       \@maketitle

```



```

12935 \fi
12936 \thispagestyle{title}\@thanks
12937 \endgroup
12938 \@bscontmark % \setcounter{footnote}{0}%
12939 }
12940 \renewcommand*\memRTLleftskip{\if@RTL\rightskip\else\leftskip\fi}
12941 \renewcommand*\memRTLrightskip{\if@RTL\leftskip\else\rightskip\fi}
12942 \renewcommand*\memRTLvleftskip{\if@RTL\vrightskip\else\vleftskip\fi}
12943 \renewcommand*\memRTLvrightskip{\if@RTL\vleftskip\else\vrightskip\fi}
12944 \renewcommand*\memRTLraggedright{\if@RTL\raggedleft\else\raggedright\fi}
12945 \renewcommand*\memRTLraggedleft{\if@RTL\raggedright\else\raggedleft\fi}
12946 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12947 \renewcommand*\thesubsection{%
12948     \thesection\@SepMark\@arabic\c@subsection}
12949 \renewcommand*\thesubsubsection{%
12950     \thesubsection\@SepMark\@arabic\c@subsubsection}
12951 \renewcommand*\theparagraph{%
12952     \thesubsubsection\@SepMark\@arabic\c@paragraph}
12953 \renewcommand*\thesubparagraph{%
12954     \theparagraph\@SepMark\@arabic\c@subparagraph}
12955 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
12956 \renewcommand{\theequation}{%
12957     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12958 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
12959 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
12960 \ifartopt
12961 \chapterstyle{article}
12962 \counterwithout{figure}{chapter}
12963 \counterwithout{table}{chapter}
12964 \counterwithout{footnote}{chapter}
12965 \counterwithout{equation}{chapter}
12966 \renewcommand{\chaptername}{}
12967 \renewcommand{\maketitlehookb}{%
12968     \vskip -1.5\topsep\vskip -1.5\partopsep}
12969 \renewcommand{\maketitlehookc}{%
12970     \vskip -1.5\topsep\vskip -1.5\partopsep}
12971 \fi
12972 \long\def\@makecaption#1#2{\let\@memtempa\relax
12973 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
12974 \else \def\@memtempa{\vbox to\topskip{}}\fi
12975 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
12976 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
12977 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
12978 \let\footnote\@contfnote
12979 \let\footnotemark\@contfmark
12980 \ifdim\wd\@tempboxa<\linewidth \centering \fi
12981 \if@contcw
12982 \centering
12983 \parbox{\@contcwidth}{%
12984 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi

```



```

12985 \fi
12986 \ifdim\wd\@tempboxa<\linewidth
12987 \@contpre
12988 {\@contnfont #1\@contdelim}\@memtempa
12989 {\@contcshortstyle \@conttfont #2\@contfinal\par}
12990 \else
12991 \if@conthang
12992 \sbox\@tempboxa{\@contnfont #1\@contdelim}
12993 \@contpre%
12994 {\@contcstyle\hangindent=\wd\@tempboxa
12995 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
12996 \else
12997 \if@contindent
12998 \@contpre%
12999 {\@contnfont #1\@contdelim}\@memtempa
13000 {\@contcstyle\hangindent=@contindw
13001 \hangafter=@ne\@conttfont #2\@contfinal\par}% <- v1.4
13002 \else
13003 \@contpre%
13004 {\@contnfont #1\@contdelim}\@memtempa
13005 {\@contcstyle \@conttfont #2\@contfinal\par}
13006 \fi
13007 \fi
13008 \fi
13009 \@contpost
13010 \if@contcw
13011 \par
13012 } % end of the \parbox
13013 \fi
13014 \vskip\belowcaptionskip}
13015 \@ifpackageloaded{caption}{%
13016 \AtBeginPackage{caption}{
13017 \ClassWarningNoLine{memoir}{%
13018 You are using the caption package with the memoir \MessageBreak
13019 class. This may cause unexpected or inconsistent \MessageBreak
13020 results if you use any of memoir's captioning facilities}
13021
13022 \long\def\@makecaption##1##2{%
13023 \vskip\abovecaptionskip
13024 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13025 \ifdim \wd\@tempboxa >\hsize
13026 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13027 \else
13028 \global \@minipagefalse
13029 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13030 \fi
13031 \vskip\belowcaptionskip}
13032
13033 \def\caption{%
13034 \ifx\@capytype\@undefined

```



```

13035 \latexerror{\noexpand\caption outside float}\@ehd
13036 \expandafter\@gobble
13037 \else
13038 \refstepcounter\@capttype
13039 \expandafter\@firstofone
13040 \fi
13041 {\@dblarg{\@caption\@capttype}}%
13042 }
13043
13044 \long\def\@caption##1[##2]##3{%
13045 \par
13046 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13047 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13048 \begingroup
13049 \@parboxrestore
13050 \if@minipage
13051 \setminipage
13052 \fi
13053 \normalsize
13054 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13055 \endgroup}
13056 }{}
13057 \renewenvironment{thebibliography}[1]{%
13058 \bibsection
13059 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
13060 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.80 midfloat-xetex-bidi.def

```

13061 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
13062 \def\RTL@outputdblcol{%
13063 \if@firstcolumn
13064 \global \@firstcolumnfalse
13065 \global \setbox\@leftcolumn \box\@outputbox
13066 \global\c@colht\@colht\global\c@advvipersep\z@
13067 \ifnum\juo@sk>0
13068 \remove@strip\juo@sar
13069 \global\@colht\the\juo@pr
13070 \ifdim\right@cor>\z@
13071 \global\advance\@colht by\right@cor
13072 \fi
13073 \global\advance\@colht by\cor@height
13074 \global\cor@height=0pt
13075 \fi
13076 \global \setbox\@rightcolumn \vbox{%
13077 \else
13078 \ifdim\c@colht>\@colht
13079 \tempdima\@colht
13080 \ifdim\@colht>\z@
13081 \global\setbox\@rightcolumn \vbox{%

```



```

13082         \unvbox\@rightcolumn
13083         \vbox to\@tempdima{%
13084             \vskip\c@addvipersep\unvbox\@outputbox}%
13085         \vskip\stripsep
13086         \vrule height\the\jua@ht width Opt depth Opt
13087         \vskip\stripsep
13088     }%
13089     \global\c@addvipersep\m@addvipersep
13090     \else
13091     \global\setbox\@rightcolumn \vbox{%
13092         \unvbox\@rightcolumn
13093         \vrule height\the\jua@ht width Opt depth Opt
13094         \vskip\stripsep
13095     }%
13096     \fi
13097     \ifnum\jua@sk>0
13098         \remove@strip\jua@sar
13099         \global\@colht\the\jua@pr
13100         \global\advance\@colht by -\ht\@rightcolumn
13101         \global\advance\@colht by\cor@height
13102         \global\cor@height=Opt
13103     \else
13104         \global\advance\c@colht by-\ht\@rightcolumn
13105         \global\@colht\c@colht
13106     \fi
13107 \else
13108 \global\@firstcolumntrue
13109 \global\setbox\@outputbox\vbox to\ht\@leftcolumnf%
13110     \unvbox\@rightcolumn
13111     \vskip\c@addvipersep
13112     \unvbox\@outputbox
13113 }%
13114 \setbox\@outputbox \vbox {%
13115     \hb@xt@\textwidth {%
13116         \hskip \columnwidth
13117         \hfil
13118         \vrule \@width\columnseprule
13119         \hfil
13120         \hb@xt@\columnwidth {%
13121             \box\@leftcolumn \hss}%
13122         \hskip-\textwidth
13123         \hb@xt@\columnwidth {%
13124             \box\@outputbox \hss}%
13125         \hskip\columnwidth
13126         \hskip\columnsep}%
13127     }%
13128 \@combinedblfloats
13129 \@outputpage
13130 \begingroup
13131     \@dblfloatplacement

```



```

13132     \@startdblcolumn
13133     \@whilesw\if@fcolmade \fi
13134     {\@outputpage
13135     \@startdblcolumn}%
13136   \endgroup
13137   \global\jua@sk=0\global\jua@sar={}%
13138   \global\cor@height\z@\global\c@advipersep\z@
13139   \fi
13140 \fi
13141 }
13142
13143
13144 \def\LTR@outputdblcol{%
13145   \if@firstcolumn
13146     \global \@firstcolumnfalse
13147     \global \setbox\@leftcolumn \box\@outputbox
13148     \global\c@colht\@colht\global\c@advipersep\z@
13149     \ifnum\jua@sk>0
13150       \remove@strip\jua@sar
13151       \global\@colht\the\jua@pr
13152       \ifdim\right@cor>\z@
13153         \global\advance\@colht by\right@cor
13154       \fi
13155       \global\advance\@colht by\cor@height
13156       \global\cor@height=0pt
13157     \fi
13158     \global \setbox\@rightcolumn \vbox{%
13159   \else
13160     \ifdim\c@colht>\@colht
13161       \@tempdima\@colht
13162       \ifdim\@colht>\z@
13163         \global\setbox\@rightcolumn \vbox{%
13164           \unvbox\@rightcolumn
13165           \vbox to\@tempdima{%
13166             \vskip\c@advipersep\unvbox\@outputbox}%
13167           \vskip\stripsep
13168           \vrule height\the\jua@ht width Opt depth Opt
13169           \vskip\stripsep
13170         }%
13171         \global\c@advipersep\m@advipersep
13172       \else
13173         \global\setbox\@rightcolumn \vbox{%
13174           \unvbox\@rightcolumn
13175           \vrule height\the\jua@ht width Opt depth Opt
13176           \vskip\stripsep
13177         }%
13178       \fi
13179     \ifnum\jua@sk>0
13180       \remove@strip\jua@sar
13181       \global\@colht\the\jua@pr

```




```

13182         \global\advance\@colht by -\ht\@rightcolumn
13183         \global\advance\@colht by\cor@height
13184         \global\cor@height=0pt
13185     \else
13186         \global\advance\c@colht by-\ht\@rightcolumn
13187         \global\@colht\c@colht
13188     \fi
13189 \else
13190 \global\@firstcolumntrue
13191 \global\setbox\@outputbox\vbox to\ht\@leftcolumnf%
13192         \unvbox\@rightcolumn
13193         \vskip\c@addvipersep
13194         \unvbox\@outputbox
13195     }%
13196 \setbox\@outputbox \vbox f%
13197         \hb@xt@\textwidth f%
13198         \hb@xt@\columnwidth f%
13199         \box\@leftcolumn \hss}%
13200     \hfil
13201     \vrule \@width\columnseprule
13202     \hfil
13203     \hb@xt@\columnwidth f%
13204     \box\@outputbox \hss}%
13205         }%
13206     }%
13207 \@combinedblfloats
13208 \@outputpage
13209 \begingroup
13210     \@dblfloatplacement
13211     \@startdblcolumn
13212     \@whilesw\if@fcolmade \fi
13213     {\@outputpage
13214     \@startdblcolumn}%
13215 \endgroup
13216 \global\jua@sk=0\global\jua@sar={}%
13217 \global\cor@height\z@\global\c@addvipersep\z@
13218 \fi
13219 \fi
13220 }
13221
13222
13223 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13224 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13225     \hsize\textwidth
13226     \@parboxrestore
13227     \col@number \@ne
13228     \vrule height\topskip width0pt depth0pt
13229 }
13230
13231 \def\endstripf%

```



```

13232     \egroup\egroup
13233     \if@firstcolumn
13234         \ifdim\pagetotal>\z@
13235             \vskip\stripsep
13236             \global\ht@strip\pagegoal
13237             \global\advance\ht@strip by-\pagetotal
13238             \global\advance\ht@strip by-\stripsep
13239             \global\advance\ht@strip by-\ht@viper
13240             \global\advance\ht@strip by-\stripsep
13241             \global\juc@ht=\ht@viper
13242         \else
13243             \global\ht@strip\z@
13244         \fi
13245         \ifdim\ht@strip>\z@
13246             \unvbox\@viper
13247             \vskip\stripsep
13248             \add@strip{\the\pagetotal}{\the\juc@ht}{\the\@tempdima}{\the\@tempdimb}%
13249             \global\advance\juc@sk by1
13250         \else
13251             \@latex@error{Strip needs more place!}\@ehc
13252             \if@vihproof
13253                 \framebox[\columnwidth]{??? Strip ???}%
13254             \fi
13255         \fi
13256     \else
13257         \@latex@error{Strip is used only on left column!}\@ehc
13258         \if@vihproof
13259             \framebox[\columnwidth]{??? Strip ???}%
13260         \fi
13261     \fi
13262 }

```

7.81 minitoc-xetex-bidi.def

```

13263 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
13264 \def\@undottedtocline#1#2#3#4#5{%
13265     \ifnum #1>\c@tocdepth\relax \else
13266         \vskip \z@ plus.2\p@
13267         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p@
13268         \parindent #2\relax\@afterindenttrue
13269         \interlinepenalty\@M
13270         \leavevmode
13271         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
13272         \hskip -\if@RTL\rightskip\else\leftskip\fi
13273         #4\nobreak\hfill \nobreak
13274         \null\par}%
13275     \fi}
13276 \def\@Undottedtocline#1#2#3#4#5{%
13277     \ifnum #1>\c@tocdepth\relax \else
13278         \vskip \z@ \@plus.2\p@

```



```

13279 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \
13280 \parindent #2\relax\@afterindenttrue
13281 \interlinepenalty\@M
13282 \leavevmode
13283 \@tempdima #3\relax
13284 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13285 {\coffefont #4}\nobreak \nobreak\null
13286 \par}%
13287 \fi}
13288 \def\@Undottedtoclinep#1#2#3#4#5{%
13289 \ifnum #1>\c@tocdepth\relax \else
13290 \vskip \z@ \@plus.2\p@
13291 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \
13292 \parindent #2\relax\@afterindenttrue
13293 \interlinepenalty\@M
13294 \leavevmode
13295 \@tempdima #3\relax
13296 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13297 {#4}\nobreak \hfill \nobreak\null
13298 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13299 \par}%
13300 \fi}

```

7.82 multicol-xetex-bidi.def

```

13301 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
13302 \def\page@sofar{%
13303 \process@cols\mult@rightbox
13304 {\ifvoid\count@
13305 \setbox\count@\hbox to\hsize}%
13306 \else
13307 \wd\count@\hsize
13308 \fi}%
13309 \count@\col@number \advance\count@\m@ne
13310 \mult@info\z@
13311 {Column spec: \the\full@width\space = indent
13312 + columns + sep =\MessageBreak
13313 \the\multicol@leftmargin\space
13314 + \the\col@number\space
13315 x \the\hsize\space
13316 + \the\count@\space
13317 x \the\columnsep
13318 }%
13319 \ifvmode\else\errmessage{Multicol Error}\fi
13320 \nointerlineskip
13321 \setbox\z@\hbox{p}\global\dimen\tw@dp\z@
13322 \moveright\multicol@leftmargin
13323 \hbox to\full@width{%
13324 \bidi@multicol@align@columns
13325 \rlap{\phantom p}}%

```



```

13326 }%
13327 \prevdepth\z@
13328 \kern-\dimen\tw@
13329 \ifdim\dimen\tw@ > \mc@gridwarn
13330 \PackageWarning{multicol}%
13331 {Very deep columns!\MessageBreak
13332 Grid alignment might be broken}%
13333 \fi
13334 }
13335 \def\LTR@column@boxes{%
13336 \process@cols\mult@gfirstbox{%
13337 \ifdim\dp\count@>\dimen\tw@
13338 \global\dimen\tw@\dp\count@ \fi
13339 \mc@col@status@write
13340 \box\count@
13341 \hss{\columnseprulecolor\vrule
13342 \@width\columnseprule}\hss}%
13343 \ifdim\dp\mult@rightbox>\dimen\tw@
13344 \global\dimen\tw@\dp\mult@rightbox \fi
13345 \mc@lastcol@status@write
13346 \box\mult@rightbox
13347 }
13348
13349 \def\RTL@column@boxes{%
13350 \process@cols\mult@gfirstbox{%
13351 \hskip\hsize
13352 \hss{\columnseprulecolor\vrule
13353 \@width\columnseprule}\hss
13354 }%
13355 \hskip\hsize
13356 \process@cols\mult@gfirstbox{%
13357 \ifdim\dp\count@>\dimen\tw@
13358 \global\dimen\tw@\dp\count@ \fi
13359 \hskip-\hsize
13360 \mc@col@status@write
13361 \box\count@
13362 \hskip-\hsize
13363 \hskip-\columnsep
13364 }%
13365 \ifdim\dp\mult@rightbox>\dimen\tw@
13366 \global\dimen\tw@\dp\mult@rightbox \fi
13367 \hskip-\hsize
13368 \mc@lastcol@status@write
13369 \box\mult@rightbox
13370 \hskip-\hsize
13371 \hskip\full@width
13372 }
13373 \newcommand\RTLmulticolcolumns
13374 {\let\ bidi@multicol@align@columns
13375 \RTL@column@boxes}

```



```

13376 \newcommand\LTRmulticolcolumns
13377     {\let\ bidi@multicol@align@columns
13378      \LTR@column@boxes}
13379 \newcommand\ bidi@multicol@align@columns
13380     {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13381 \def\multicols#1{\col@number#1\relax
13382  \ifnum\col@number<\tw@
13383   \PackageWarning{multicol}%
13384   {Using ` \number\col@number'
13385    columns doesn't seem a good idea.^^J
13386    I therefore use two columns instead}%
13387   \col@number\tw@ \fi
13388  \ifnum\col@number>10
13389   \PackageError{multicol}%
13390   {Too many columns}%
13391   {Current implementation doesn't
13392    support more than 10 columns.%
13393   \MessageBreak
13394   I therefore use 10 columns instead}%
13395   \col@number10 \fi
13396  \ifx\@footnotetext\mult@footnotetext\else
13397   \let\orig@footnotetext\@footnotetext
13398   \let\@footnotetext\mult@footnotetext
13399   \fi
13400  \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13401   \let\orig@LTRfootnotetext\@LTRfootnotetext
13402   \let\@LTRfootnotetext\mult@LTRfootnotetext
13403   \fi
13404  \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13405   \let\orig@RTLfootnotetext\@RTLfootnotetext
13406   \let\@RTLfootnotetext\mult@RTLfootnotetext
13407   \fi
13408  \@ifnextchar[\mult@cols{\mult@cols[]}]
13409 \long\def\mult@footnotetext#1{\begingroup
13410   \hsize\textwidth
13411   \columnwidth\textwidth
13412   \orig@footnotetext{#1}\endgroup}
13413 \long\def\mult@LTRfootnotetext#1{\begingroup
13414   \hsize\textwidth
13415   \columnwidth\textwidth
13416   \orig@LTRfootnotetext{#1}\endgroup}
13417 \long\def\mult@RTLfootnotetext#1{\begingroup
13418   \hsize\textwidth
13419   \columnwidth\textwidth
13420   \orig@RTLfootnotetext{#1}\endgroup}
13421 \def\right@footnoterule{%
13422  \kern-3\p@
13423  \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13424  \kern2.6\p@}
13425 \def\textwidth@footnoterule{\kern-3\p@

```



13426 \hrule \@width \textwidth \kern 2.6\p@}

7.83 multienum-xetex-bidi.def

```
13427 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
13428 \renewcommand{\itemx}[1]{\parbox[t]{
13429 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13430 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13431 \renewcommand{\itemxx}[2]{\parbox[t]{
13432 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13433 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13434 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13435 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13436 \renewcommand{\itemxxx}[3]{\parbox[t]{
13437 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13438 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13439 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
13440 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{
13441 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13442 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13443 \renewcommand{\itemxxxx}[4]{\parbox[t]{
13444 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13445 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13446 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13447 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13448 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13449 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13450 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13451 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13452 \renewcommand{\itemxxxxx}[5]{\parbox[t]{
13453 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13454 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13455 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13456 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
13457 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13458 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
13459 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13460 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
13461 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13462 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
13463 \renewcommand{\itemxox}[2]{\parbox[t]{
13464 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13465 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13466 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13467 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13468 \renewcommand{\itemxox}[2]{\parbox[t]{
13469 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13470 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13471 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13472 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
```



```

13473 \renewcommand{\itemxox}[3]{\parbox[t]{%
13474 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13475 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13476 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13477 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13478 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13479 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13480 \renewcommand{\itemxox}[3]{\parbox[t]{%
13481 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13482 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13483 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13484 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13485 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13486 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13487 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
13488 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13489 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13490 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13491 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13492 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13493 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13494 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13495 \renewenvironment{thebibliography}[1]{%
13496 \bibsection
13497 \parindent\z@
13498 \bibpreamble
13499 \bibfont
13500 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13501 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13502 \ifNAT@openbib
13503 \renewcommand\newblock{\par}%
13504 \else
13505 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13506 \fi
13507 \sloppy\clubpenalty4000\widowpenalty4000
13508 \sfcode`\.\@m
13509 \let\NAT@bibitem@first@sw@\firstoftwo
13510 \let\citeN\cite \let\shortcite\cite
13511 \let\citeasnoun\cite
13512 }{%
13513 \bibitem@fin
13514 \bibpostamble
13515 \def\@noitemerr{%
13516 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13517 }%
13518 \endlist
13519 \bibcleanup

```



13520 }%

7.85 newfloat-xetex-bidi.def

```
13521 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13522 \renewcommand*\newfloat@setwithin[2]{%
13523   \ifcsname c@chapter\endcsname
13524     \@removefromreset{#1}{chapter}%
13525   \fi
13526   \@removefromreset{#1}{section}%
13527   \edef\@tempa{#2}%
13528   \ifx\@tempa\@empty
13529     \def\@tempa{none}%
13530   \fi
13531   \def\@tempb{none}%
13532   \ifx\@tempa\@tempb
13533     \ifcsname c@chapter\endcsname
13534       \@chapterlistsgap@off{#1}%
13535     \fi
13536     \newfloat@@setwithin{#1}{-}{-}%
13537   \else
13538     \def\@tempb{chapter}%
13539     \ifx\@tempa\@tempb
13540       \@addtoreset{#1}{chapter}%
13541       \@chapterlistsgap@on{#1}%
13542       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepM
13543     \else
13544       \def\@tempb{section}%
13545       \ifx\@tempa\@tempb
13546         \@addtoreset{#1}{section}%
13547         \ifcsname c@chapter\endcsname
13548           \@addtoreset{#1}{chapter}%
13549           \@chapterlistsgap@on{#1}%
13550         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13551       \else
13552         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
13553       \fi
13554     \else
13555       \newfloat@Error{Invalid value `#2' for option `within'}%
13556     \fi
13557   \fi
13558 \fi}
```

7.86 ntheorem-xetex-bidi.def

```
13559 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
13560 \gdef\@thm#1#2#3{%
13561   \if@thmmarks
13562     \stepcounter{end\InTheoType ctr}%
13563   \fi
13564   \renewcommand{\InTheoType}{#1}%
```




```

13565 \if@thmmarks
13566   \stepcounter{curr#1ctr}%
13567   \setcounter{end#1ctr}{0}%
13568 \fi
13569 \refstepcounter{#2}%
13570 \theorem@prework
13571 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
13572 \ifvmode \advance\thm@topsepadd\partopsep\fi
13573 \trivlist
13574 \@topsep \theorempreskipamount
13575 \@topsepadd \thm@topsepadd % used by \@endparenv
13576 \advance\linewidth -\theorem@indent
13577 \advance\@totalleftmargin \theorem@indent
13578 \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
13579 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

13580 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
13581 \gdef\@thm#1#2#3{%
13582   \if@thmmarks
13583     \stepcounter{end\InTheoType ctr}%
13584   \fi
13585   \renewcommand{\InTheoType}{#1}%
13586   \if@thmmarks
13587     \stepcounter{curr#1ctr}%
13588     \setcounter{end#1ctr}{0}%
13589   \fi
13590   \refstepcounter{#2}%
13591   \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
13592   \ifvmode \advance\thm@topsepadd\partopsep\fi
13593   \trivlist
13594   \@topsep \theorempreskipamount
13595   \@topsepadd \thm@topsepadd % used by \@endparenv
13596   \advance\linewidth -\theorem@indent
13597   \advance\@totalleftmargin \theorem@indent
13598   \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
13599   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

13600 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for XeTeX]
13601 \renewenvironment{overpic}[2][\]{}%
13602   \sbox{\z@}{\includegraphics[#1]{#2}}%
13603   \settodepth{\@tempcnta}{\usebox{\z@}}%
13604   \settoheight{\@tempcntb}{\usebox{\z@}}%
13605   \advance\@tempcntb\@tempcnta%
13606   \settowidth{\@tempcnta}{\usebox{\z@}}%
13607   \setlength{\@tempdima}{\unitlength}%
13608   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
13609 %

```



```

13610 \OVP@calc%
13611 %
13612 \begin{picture}(\@tempcnta,\@tempcntb)%
13613 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
13614 \ifGin@grid%
13615 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13616 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13617 \fi\fi%
13618 % reset the graphics parameter
13619 \let\Gin@outer@scalex\relax
13620 \let\Gin@outer@scaley\relax
13621 \let\Gin@angle\relax
13622 \let\Gin@ewidth\Gin@exclamation
13623 \let\Gin@eheight\Gin@ewidth
13624 \def\Gin@scalex{1}
13625 \let\Gin@scaley\Gin@exclamation
13626 }-%
13627 \if@RTL\ifGin@grid%
13628 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13629 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13630 \fi%
13631 \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
13632 \end{picture}%
13633 }%

```

7.89 pdfpages-xetex-bidi.def

```

13634 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
13635 \renewcommand*{\includepdf}[2][{}]{%
13636 \begingroup
13637 \@RTLfalse
13638 \let\AM@threadname\relax
13639 \AM@split@options{pdfpages}{#1}%
13640 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
13641 \expandafter\setkeys\AM@temp
13642 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
13643 \let\AM@currentdocname\relax
13644 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
13645 \def\AM@pagecount{0}%
13646 }-%
13647 \AM@findfile{#2}%
13648 \if\AM@threadname\relax
13649 \def\AM@threadname{\AM@currentdocname}%
13650 \fi
13651 }%
13652 \ifAM@survey
13653 \def\AM@pagetemp{}%
13654 \@tempcnta=0
13655 \def\foo{%
13656 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%

```



```

13657         {\let\foo\relax}
13658         {\expandafter\ifx\expandafter\\AM@pagestemp\\
13659          \edef\AM@pagestemp{%
13660           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
13661         \else
13662           \edef\AM@pagestemp{\AM@pagestemp,%
13663             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
13664         \fi
13665         \advance\@tempcnta 1\relax
13666       }%
13667     \foo
13668   }%
13669   \foo
13670   \expandafter\ifx\expandafter\\AM@pagestemp\\
13671     \def\AM@pagestemp{1}%
13672   \fi
13673 \fi
13674 \ifAM@output
13675   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
13676   \AM@output{#1}%
13677 \fi
13678 \AM@CheckAtEnd
13679 \endgroup
13680 \AM@ClearShipoutPicture
13681 }

```

7.90 pgfcorescopes.code-xetex-bidi.def

```

13682 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
13683 \def\pgfpicture{%
13684   \begingroup%
13685   \ifmmode\else\@RTLfalse\beginL\fi%
13686   \pgfpicturetrue%
13687   \global\advance\pgf@picture@serial@count by1\relax%
13688   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
13689   \let\pgf@nodecallback=\pgfutil@gobble%
13690   \pgf@picmaxx=-16000pt\relax%
13691   \pgf@picminx=16000pt\relax%
13692   \pgf@picmaxy=-16000pt\relax%
13693   \pgf@picminy=16000pt\relax%
13694   \pgf@relevantforpicturesizetrue%
13695   \pgf@resetpathsizes%
13696   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
13697 \def\endpgfpicture{%
13698   \ifpgfrememberpicturepositiononpage%
13699     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
13700   \fi%
13701   % ok, now let's position the box
13702   \ifdim\pgf@picmaxx=-16000pt\relax%
13703     % empty picture. make size 0.

```



```

13704         \global\pgf@picmaxx=0pt\relax%
13705         \global\pgf@picminx=0pt\relax%
13706         \global\pgf@picmaxy=0pt\relax%
13707         \global\pgf@picminy=0pt\relax%
13708     \fi%
13709     % Shift baseline outside:
13710     \pgf@relevantforpicturesizefalse%
13711     \pgf@process{\pgf@baseline}%
13712     \xdef\pgf@shift@baseline{\the\pgf@y}%
13713     %
13714     \pgf@process{\pgf@trimleft}%
13715     \global\advance\pgf@x by-\pgf@picminx
13716     % prepare \hskip\pgf@trimleft@final.
13717     % note that \pgf@trimleft@final is also queried
13718     % by the pgf image externalization.
13719     \xdef\pgf@trimleft@final{-\the\pgf@x}%
13720     %
13721     \pgf@process{\pgf@trimright}%
13722     \global\advance\pgf@x by-\pgf@picmaxx
13723     % prepare \hskip\pgf@trimright@final.
13724     % note that \pgf@trimright@final is also queried
13725     % by the pgf image externalization.
13726     \xdef\pgf@trimright@final{\the\pgf@x}%
13727     %
13728     \pgf@remember@layerlist@globally
13729     \endgroup%
13730     \hss%
13731     \egroup%
13732     \pgf@restore@layerlist@from@global
13733     \pgf@insertlayers%
13734     \endgroup%
13735     \pgfsys@discardpath%
13736     \endgroup%
13737     \pgfsys@endscope%
13738     \pgfsys@endpicture%
13739     \endgroup%
13740     \hss
13741     \egroup%
13742     \pgfsys@typesetpicturebox\pgfpic%
13743     \ifmode\else\endL\fi%
13744     \endgroup%
13745 }

```

7.91 picinpar-xetex-bidi.def

```

13746 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
13747 \long\def\@makewincaption#1#2{%
13748     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
13749     \ifdim\wd\@tempboxa>\picwd
13750         {\footnotesize{\bf #1:\enspace}{#2\par}}

```



```

13751 \else
13752 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box@\tempboxa\hfil\if@RTL\endR\fi}
13753 \fi}
13754 \def\endwindow{%
13755 \global\tcd=\tcdsav
13756 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
13757 \vbadness=10000
13758 \splittopskip=0pt
13759 %
13760 % Typeset the lines above the window
13761 %
13762 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
13763 \tcn=\tcd
13764 \loop\advance\tcn -1
13765 \setbox\fslice=\vsplit\holder to\baselineskip
13766 \prune\fslice\linewidth
13767 \topheight=0pt
13768 \ifnum\dp\fslice>\dp\wstrutbox
13769 \advance\topheight-\dp\fslice
13770 \advance\topheight\dp\wstrutbox
13771 \advance\topheight\ilg\fi
13772 \hbox to\linewidth{\box\fslice}
13773 \vskip-\topheight
13774 \ifdim\ht\holder>0pt\repeat
13775 \fi
13776 %
13777 % Now we build the boxes beside the window
13778 %
13779 \global\topheight=\tcl\baselineskip
13780 \ifnum\cumpartcl>0\global\tcl=\cumtcl
13781 \global\topheight=\vpic
13782 \fi
13783 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
13784 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
13785 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
13786 \tcn=\tcl \na=0 \nb=0
13787 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
13788 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
13789 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
13790 \ifnum\na=0\ifnum\nb=0
13791 \setbox\waslice=\vbox to\vpic{\vss}
13792 \setbox\wbslice=\vbox to\vpic{\vss}
13793 \bl=1\br=1
13794 \vskip\ilg
13795 \fi\fi
13796 %
13797 % both sides
13798 %
13799 \ifnum\na>0 \ifnum\nb>0
13800 \loop\advance\nb -1

```



```

13801 \advance\na -1
13802 \if@RTL%
13803 \setbox\bslice=\vsplit\holder to\baselineskip
13804 \prune\bslice\rtside
13805 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13806 to\rtside{\box\bslice\hfil}}
13807 \setbox\aslice=\vsplit\holder to\baselineskip
13808 \prune\aslice\lftside
13809 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13810 to\lftside{\box\aslice\hfil}}
13811 \else%
13812 \setbox\aslice=\vsplit\holder to\baselineskip
13813 \prune\aslice\lftside
13814 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13815 to\lftside{\box\aslice\hfil}}
13816 \setbox\bslice=\vsplit\holder to\baselineskip
13817 \prune\bslice\rtside
13818 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13819 to\rtside{\box\bslice\hfil}}
13820 \fi%
13821 \ifnum\nb>0\repeat
13822 \fi\fi
13823 %
13824 % only text on the left side
13825 %
13826 \ifnum\na>0
13827   \loop\advance\na -1
13828   \setbox\aslice=\vsplit\holder to\baselineskip
13829   \prune\aslice\lftside
13830   \setbox\waslice=\vbox{\unvbox\waslice\hbox
13831   to\lftside{\box\aslice\hfil}}
13832   \ifdim\ht\holder>0pt\repeat
13833 \fi
13834 %
13835 % only text on the right side
13836 %
13837 \ifnum\nb>0
13838   \loop\advance\nb -1
13839   \setbox\bslice=\vsplit\holder to\baselineskip
13840   \prune\bslice\rtside
13841   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13842   to\rtside{\box\bslice\hfil}}
13843   \ifdim\ht\holder>0pt\repeat
13844 \fi
13845 %
13846 % fixing the dimensions of the window part
13847 %
13848 \ifnum\bl=0\topheight=\ht\wbslice
13849 \else\ifnum\br=0\topheight=\ht\waslice
13850   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice

```



```

13851             \else\topheight=\ht\wbslice\fi\fi\fi
13852 %
13853 % ship out the window material to the main vertical list
13854 %
13855 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
13856 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
13857 \fi\fi\fi
13858 \setbox>windowbox=\vbox{\hbox to\linewidth{%
13859 \ifnum\bl>0\box\waslice\hfill\fi%
13860 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
13861 \vfill\unvbox\picbox%
13862 \ifnum\picwd>0\vfill\fi%
13863 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
13864 \unvbox>windowbox%
13865 \loop
13866 \setbox\bslice=\vsplit\rawtext to\baselineskip
13867 \prune\bslice\linewidth
13868 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
13869 \unvbox\wbslice
13870 \ifdim\ht\rawtext>0pt
13871 \repeat
13872 }% FINITO

```

7.92 plain-xetex-bidi.def

```

13873 \def\TeXeTOn{\TeXeTstate=1 }
13874 \def\TeXeTOff{\TeXeTstate=0 }
13875 \TeXeTOn
13876 \def\usebox#1{\leavevmode\copy #1\relax}
13877 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
13878 \let\bidi@o@everypar=\everypar
13879 \newtoks\bidi@n@everypar
13880 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
13881 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
13882 \let\everypar=\bidi@n@everypar
13883 \def\moreLRE{\bracketext \aftergroup\endL \beginL\@RTLfalse}
13884 \def\moreRE{\bracketext \aftergroup\endR \beginR\@RTLtrue}
13885 \protected\def\hboxR{\hbox\bgroup
13886 \everyhbox{%
13887 \aftergroup\egroup
13888 \everyhbox{}}%
13889 \beginR
13890 \bgroup
13891 \aftergroup\endR
13892 \aftergroup\egroup
13893 }\hbox}
13894 \protected\def\hboxL{\hbox\bgroup
13895 \everyhbox{%
13896 \aftergroup\egroup
13897 \everyhbox{}}%

```



```

13898 \beginL
13899 \bgroup
13900 \aftergroup\endL
13901 \aftergroup\egroup
13902 }\hbox}
13903 \protected\def\ vboxR{\ vbox\bgroup
13904 \everyvbox{%
13905 \aftergroup\egroup
13906 \everyvbox{}}%
13907 \@RTLtrue
13908 \bgroup
13909 \aftergroup\egroup
13910 }\vbox}
13911 \protected\def\ vboxL{\ vbox\bgroup
13912 \everyvbox{%
13913 \aftergroup\egroup
13914 \everyvbox{}}%
13915 \@RTLfalse
13916 \bgroup
13917 \aftergroup\egroup
13918 }\vbox}
13919 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
13920 \def\endLTR{\par}
13921 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
13922 \def\endRTL{\par}
13923 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
13924 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
13925 \let\unsetRTL=\setLTR
13926 \let\unsetLTR=\setRTL
13927 \let\LR=\LRE
13928 \let\RL=\RLE
13929 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
13930 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
13931 \let\@ensure@RL=\@ensure@RTL
13932 \let\@ensure@LR=\@ensure@LTR
13933 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
13934 \let\@ensure@maindir=\@ensure@dir
13935 \def\@RTL{RTL}
13936 \def\@LTR{LTR}
13937 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
13938 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
13939 \let\@TeX\TeX
13940 \def\TeX{\@ensure@LTR{\@TeX}}
13941 \long\def\ bidi@reflect@box#1{%
13942 \leavevmode
13943 \setbox\z@\hbox{{#1}}%
13944 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
13945 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}}%
13946 }
13947 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex

```




```

13948 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
13949 \let\setRL=\setRTL
13950 \let\setLR=\setLTR
13951 \let\unsetRL=\setLTR
13952 \let\bidisaved@eqno=\eqno
13953 \let\bidisaved@leqno=\leqno
13954 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
13955 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
13956 \def\centerline#1{\line{\hss\ifRTL\beginR\fi#1\ifRTL\endR\fi\hss}}
13957 \def\leftline#1{\line{\ifRTL\beginR\fi#1\ifRTL\endR\fi\hss}}
13958 \def\rightline#1{\line{\hss\ifRTL\beginR\fi#1\ifRTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

13959 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
13960 \def\pspicture{\begingroup\ifmmode\else\RTLfalse\beginL\fi\pst@ifstar\pst@picture}
13961 \def\endpspicture{%
13962   \ifshowgrid\ifnum\showgridp>0
13963     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
13964   \pst@killglue
13965 % \global\pst@shift=\pst@shift% in fact of the following endgroup
13966 \endgroup
13967 \egroup
13968 \ifdim\wd\pst@hbox=\z@\else
13969   %\@pstrickserr{Extraneous space in the pspicture environment}%
13970   %\Type \space <return> \space to proceed.}%
13971 \fi
13972 \ht\pst@hbox=\pst@dimd
13973 \dp\pst@hbox=-\pst@dimb
13974 \setbox\pst@hbox=\hbox{%
13975   \kern-\pst@dima
13976 % Orig version -----
13977 %\ifx\pst@tempa\empty\else
13978 %\advance\pst@dimd-\pst@dimb
13979 %\pst@dimd=\pst@tempa\pst@dimd
13980 %\advance\pst@dimd\pst@dimb
13981 %\lower\pst@dimd
13982 %\fi
13983 %----- end Orig
13984 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
13985   \advance\pst@dimd-\pst@dimb
13986   \pst@dimd=0.5\pst@dimd
13987   \else\pst@dimd-\pst@shift\fi
13988   \advance\pst@dimd\pst@dimb
13989   \lower\pst@dimd
13990   \box\pst@hbox
13991   \kern\pst@dimc}%
13992 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
13993 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
13994 \fboxsep=0pt

```



```

13995 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
13996 \ifmode\else\endL\fi
13997 \endgroup%
13998 \psset[pstricks]{shift=0}% reset value
13999 }

```

7.94 quotchap-xetex-bidi.def

```

14000 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14001 \renewcommand{\qauthor}[1]{%
14002   \par\smallskip
14003   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\}\par}\bigskip}
14004 \renewcommand{@makechapterhead}[1]{\chapterheadstartvskip%
14005   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14006     {\chapnumfont
14007       \ifnum \c@secnumdepth >\m@ne%
14008         \if@mainmatter\thechapter%
14009         \fi\fi
14010         \par\nobreak}%
14011     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em
14012     \nobreak\chapterheadendvskip}}
14013 \renewcommand*{@iprintcites}{%
14014   \vbox to\z@{\leavevmode\copy@quotebox\vss}
14015   \global\let@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

14016 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14017 \renewcommand{\Centering}{%
14018   \ifx\\@raggedtwo@savedcr
14019     \let\\@centercr
14020   \fi
14021   \let@gnewline@raggedtwo@gnewline
14022   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
14023   \@rightskip\CenteringRightskip
14024   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14025   \parfillskip\CenteringParfillskip
14026   \parindent\CenteringParindent
14027   \@raggedtwo@spaceskiptrue
14028   \@raggedtwo@everyselectfont
14029   }
14030 \renewcommand{\RaggedLeft}{%
14031   \ifx\\@raggedtwo@savedcr
14032     \let\\@centercr
14033   \fi
14034   \let@gnewline@raggedtwo@gnewline
14035   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
14036   \@rightskip\RaggedLeftRightskip
14037   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14038   \parfillskip\RaggedLeftParfillskip
14039   \parindent\RaggedLeftParindent

```



```

14040 \@raggedtwo@spaceskiptrue
14041 \@raggedtwo@everyselectfont
14042 }
14043 \renewcommand{\RaggedRight}{%
14044 \ifx\\@raggedtwo@savedcr
14045 \let\\@centercr
14046 \fi
14047 \let@gnewline@raggedtwo@gnewline
14048 \ifRTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
14049 \@rightskip\RaggedRightRightskip
14050 \ifRTL\leftskip\else\rightrightskip\fi\@rightskip
14051 \parfillskip\RaggedRightParfillskip
14052 \parindent\RaggedRightParindent
14053 \@raggedtwo@spaceskiptrue
14054 \@raggedtwo@everyselectfont
14055 }
14056 \renewcommand{\justifying}{%
14057 \let\\@raggedtwo@savedcr
14058 \let@gnewline@raggedtwo@saved@gnewline
14059 \ifRTL\rightrightskip\else\leftskip\fi\z@
14060 \@rightskip\z@
14061 \ifRTL\leftskip\else\rightrightskip\fi\@rightskip
14062 \parfillskip\JustifyingParfillskip
14063 \parindent\JustifyingParindent
14064 \@raggedtwo@spaceskipfalse
14065 \@raggedtwo@everyselectfont
14066 }
14067 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
14068 \CheckCommand*{\@arrayparboxrestore}{%
14069 \let\if@nbreak\iffalse
14070 \let\if@noskipsec\iffalse
14071 \let\par\@par
14072 \let\-\@dischph
14073 \let'\@acci\let`\@accii\let\=\@acciii
14074 \parindent\z@ \parskip\z@skip
14075 \everypar{}%
14076 \linewidth\hsize
14077 \@totalleftmargin\z@
14078 \ifRTL\rightrightskip\else\leftskip\fi\z@skip \ifRTL\leftskip\else\rightrightskip\fi\z@skip \@right
14079 \parfillskip\@flushglue \lineskip\normallineskip
14080 \baselineskip\normalbaselineskip
14081 \sloppy}%
14082 \renewcommand{\@arrayparboxrestore}{%
14083 \let\if@nbreak\iffalse
14084 \let\if@noskipsec\iffalse
14085 \let\par\@par
14086 \let\-\@dischph
14087 \let'\@acci\let`\@accii\let\=\@acciii
14088 \parskip\z@skip
14089 \everypar{}%

```



```

14090 \linewidth\hsize
14091 \@totalleftmargin\z@
14092 \RaggedRight
14093 \lineskip\normallineskip
14094 \baselineskip\normalbaselineskip
14095 \sloppy}%
14096 \let\@raggedtwo@raggedrightboxes@opt\relax
14097 }
14098 \let\origin@RaggedLeft=\RaggedLeft
14099 \let\origin@RaggedRight=\RaggedRight
14100 \def\RaggedLeft{\ifRTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14101 \def\RaggedRight{\ifRTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

14102 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
14103 \renewenvironment{theindex}{%
14104 \if@twocolumn
14105 \@restonecolfalse
14106 \else
14107 \@restonecoltrue
14108 \fi
14109 \columnseprule \z@
14110 \columnsep 35\p@
14111 \twocolumn[\@makeschapterhead{\indexname}]%
14112 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14113 \thispagestyle{plain}\parindent\z@
14114 \parskip\z@ \@plus .3\p@\relax
14115 \let\item\@idxitem
14116 }{%
14117 \if@restonecol\onecolumn\else\clearpage\fi}
14118 \renewcommand*{head@style}{%
14119 \interlinepenalty \@M
14120 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14121 \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14122 \if@titlepage
14123 \renewenvironment{abstract}{%
14124 \titlepage
14125 \null\vfil
14126 \section*{\SectFont\abstractname}%
14127 \noindent\ignorespaces}
14128 {\par\vfil\null\endtitlepage}
14129 \else
14130 \renewenvironment{abstract}{%
14131 \if@twocolumn
14132 \section*{\abstractname}%
14133 \else
14134 \bgroup\ifRTL\leftskip\else\rightskip\fi=\unitindent
14135 \section*{\small\SectFont\abstractname}%
14136 \noindent\ignorespaces

```



```

14137     \fi}
14138     {\if@twocolumn\else\par\egroup\fi}
14139 \fi
14140 \renewcommand*\@regtocline[3]{%
14141   \ifnum #1>\c@tocdepth
14142   \else
14143     \vskip\z@\@plus.2\p@
14144     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14145     \if@RTL\rightskip\else\leftskip\fi\unitindent
14146     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14147     \parfillskip\z@
14148     \@tempdima\unitindent
14149     \parindent\z@
14150     \leavevmode
14151     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14152     \hskip 1em \nobreak{\slshape #3}\par
14153   }%
14154 \fi}
14155 \if@oldtoc
14156 \renewcommand*\l@part[2]{%
14157   \ifnum \c@tocdepth >-2\relax
14158     \addpenalty{-\@highpenalty}%
14159     \addvspace{2.25em \@plus\p@}%
14160     \begingroup
14161       \setlength\@tempdima{3em}%
14162       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14163       \parfillskip -\@pnumwidth
14164       {\leavevmode
14165         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14166         \nobreak
14167         \global\@nobreaktrue
14168         \everypar{\global\@nobreakfalse\everypar{}}%
14169       \endgroup
14170   \fi}
14171 \else
14172 \renewcommand*\l@part{%
14173   \ifnum \c@tocdepth >-2\relax
14174     \addpenalty{-\@highpenalty}%
14175     \addvspace{2.25em \@plus \p@}%
14176     \@regtocline{0}%
14177   \fi}
14178 \fi
14179 \if@oldtoc
14180 \renewcommand*\l@chapter[2]{%
14181   \addpenalty{-\@highpenalty}%
14182   \vskip 1.0em \@plus\p@
14183   \setlength\@tempdima{1.5em}%
14184   \begingroup
14185   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14186   \parfillskip -\@pnumwidth

```



```

14187 \leavevmode \bfseries
14188 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14189 \hskip -\if@RTL\rightskip\else\leftskip\fi
14190 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14191 \penalty\@highpenalty
14192 \endgroup}
14193 \else
14194 \renewcommand*\l@chapter{\@regtocline{0}}
14195 \fi
14196 \renewcommand*\left@footnoterule{%
14197 \kern-3\p@
14198 \kern.5\baselineskip
14199 \hrule\@width\unitindent
14200 \kern.4\baselineskip
14201 }
14202 \renewcommand*\right@footnoterule{%
14203 \kern-3\p@
14204 \kern.5\baselineskip
14205 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14206 \kern.4\baselineskip}
14207 \renewenvironment{thebibliography}[1]
14208 {\chapter*\bibname}%
14209 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14210 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14211 \list{\@biblabel{\@arabic\c@enumiv}}%
14212 {\settowidth\labelwidth{\@biblabel{#1}}%
14213 \leftmargin\labelwidth
14214 \advance\leftmargin\labelsep
14215 \@openbib@code
14216 \usecounter{enumiv}%
14217 \let\p@enumiv\@empty
14218 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14219 \sloppy\clubpenalty4000\widowpenalty4000%
14220 \sfcode`\.\@m}
14221 {\def\@noitemerr
14222 {\@latex@warning{Empty `thebibliography' environment}}}%
14223 \endlist}
14224 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14225 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14226 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14227 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14228 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14229 \renewcommand*\theequation{%
14230 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14231 \renewcommand*\thefigure{%
14232 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14233 \renewcommand*\thetable{%
14234 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14235 \if@titlepage
14236 \renewcommand*\TitleFont{\rmfamily}

```



```

14237 \renewcommand*\maketitle{%
14238   \begin{titlepage}%
14239     \let\footnotesize\small
14240     \let\right@footnoterule\relax
14241     \let\left@footnoterule\relax
14242     \let\textwidth@footnoterule\relax
14243     \let \footnote \thanks
14244     \long\def\@makefnmark##1{\parindent\z@
14245       \def\labelitemi{\textendash}\@revlabeltrue
14246       \leavevmode\textsuperscript{\@thefnmark}\kerniem\relax ##1}
14247     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14248     \if@compatibility\setcounter{page}{0}\fi
14249     \null\vfil
14250     \vskip 60\p@
14251     \begin{center}%
14252       \TitleFont
14253       {\LARGE \def\{f\penalty -\@M}
14254         \if@allcaps
14255           \expandafter\uc@nothanks\@title\thanks\relax
14256         \else
14257           \@title
14258         \fi\par}%
14259       \vskip 3em%
14260       {\large
14261         \lineskip .75em \parindent\z@
14262         \begin{tabular}[t]{c}%
14263           \if@allcaps
14264             \expandafter\uc@authornothanks\@author\and\relax
14265           \else
14266             \@author
14267           \fi
14268         \end{tabular}\par}%
14269       \vskip 1.5em%
14270       {\large
14271         \if@allcaps
14272           \uppercase\expandafter{\@date}%
14273         \else
14274           \@date
14275         \fi\par}%
14276       \end{center}\par
14277       \@thanks
14278       \vfil\null
14279     \end{titlepage}%
14280     \setcounter{footnote}{0}%
14281     \global\let\thanks\relax
14282     \global\let\maketitle\relax
14283     \global\let\@thanks\@empty
14284     \global\let\@author\@empty
14285     \global\let\@title\@empty
14286     \global\let\@date\@empty

```



```

14287 \global\let\title\relax
14288 \global\let\author\relax
14289 \global\let\date\relax
14290 \global\let\and\relax
14291 }
14292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14294 \futurelet\@tempa\uc@ax}
14295 \def\uc@ax{%
14296 \ifx\@tempa\relax
14297 \else
14298 \ \andname \ \expandafter\uc@authornothanks
14299 \fi}
14300 \def\uc@tx{\ifx\@tempa\relax
14301 \else \expandafter\uc@ty \fi}
14302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14303 \else
14304 \renewcommand*\maketitle{\par
14305 \begingroup
14306 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14307 \def\@makefnmark{\rlap{%
14308 \@textsuperscript{\normalfont\@thefnmark}}}%
14309 \long\def\@makefntext{\@xmakefntext{%
14310 \@textsuperscript{\normalfont\@thefnmark}}}%
14311 \if@twocolumn
14312 \ifnum \col@number=\@ne
14313 \@maketitle
14314 \else
14315 \twocolumn[\@maketitle]%
14316 \fi
14317 \else
14318 \newpage
14319 \global\@topnum\z@
14320 \@maketitle
14321 \fi
14322 \thispagestyle{plain}\@thanks
14323 \endgroup
14324 \setcounter{footnote}{0}%
14325 \global\let\thanks\relax
14326 \global\let\maketitle\relax
14327 \global\let\@maketitle\relax
14328 \global\let\@thanks\@empty
14329 \global\let\@author\@empty
14330 \global\let\@title\@empty
14331 \global\let\@date\@empty
14332 \global\let\title\relax
14333 \global\let\author\relax
14334 \global\let\date\relax
14335 \global\let\and\relax
14336 }

```




```

14337 \def\@maketitle{%
14338   \newpage
14339   \null
14340   \vskip 2em%
14341   \begin{center}%
14342     \let \footnote \thanks
14343     {\LARGE \TitleFont \@title \par}%
14344     \vskip 1.5em%
14345     {\large \TitleFont
14346       \lineskip .5em%
14347       \begin{tabular}[t]{c}%
14348         \@author
14349       \end{tabular}\par}%
14350     \vskip 1em%
14351     {\large \TitleFont \@date}%
14352   \end{center}%
14353   \par
14354   \vskip 1.5em}
14355 \fi

```

7.97 rapport3-xetex-bidi.def

```

14356 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14357 \renewenvironment{theindex}{%
14358   \if@twocolumn
14359     \@restonecolfalse
14360   \else
14361     \@restonecoltrue
14362   \fi
14363   \columnseprule \z@
14364   \columnsep 35\p@
14365   \twocolumn[\@makeschapterhead{\indexname}]%
14366   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14367   \thispagestyle{plain}\parindent\z@
14368   \parskip\z@ \@plus .3\p@\relax
14369   \let\item\@idxitem
14370   }{%
14371   \if@restonecol\onecolumn\else\clearpage\fi}
14372 \if@titlepage
14373 \renewcommand*\TitleFont{\rmfamily}
14374 \renewcommand*\maketitle{%
14375   \begin{titlepage}%
14376     \let\footnotesize\small
14377     \let\right@footnoterule\relax
14378     \let\left@footnoterule\relax
14379     \let\textwidth@footnoterule\relax
14380     \let \footnote \thanks
14381     \let \LTRfootnote \LTRthanks
14382     \let \RTLfootnote \RTLthanks
14383     \long\def\@makefnctext##1{\parindent\z@

```



```

14384         \def\labelitemi{\textendash}\@revlabeltrue
14385         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14386 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14387 \if@compatibility\setcounter{page}{0}\fi
14388 \null\vfil
14389 \vskip 60\p@
14390 \begin{center}%
14391   \TitleFont
14392   {\LARGE \def\{\{\penalty -\@M}
14393     \if@allcaps
14394       \expandafter\uc@nothanks\@title\thanks\relax
14395     \else
14396       \@title
14397     \fi\par}%
14398   \vskip 3em%
14399   {\large
14400     \lineskip .75em \parindent\z@
14401     \begin{tabular}[t]{c}%
14402       \if@allcaps
14403         \expandafter\uc@authornothanks\@author\and\relax
14404       \else
14405         \@author
14406       \fi
14407     \end{tabular}\par}%
14408   \vskip 1.5em%
14409   {\large
14410     \if@allcaps
14411       \uppercase\expandafter{\@date}%
14412     \else
14413       \@date
14414     \fi\par}%
14415   \end{center}\par
14416   \@thanks
14417   \vfil\null
14418 \end{titlepage}%
14419 \setcounter{footnote}{0}%
14420 \global\let\thanks\relax
14421 \global\let\LTRthanks\relax
14422 \global\let\RTLthanks\relax
14423 \global\let\maketitle\relax
14424 \global\let\@thanks\@empty
14425 \global\let\@author\@empty
14426 \global\let\@title\@empty
14427 \global\let\@date\@empty
14428 \global\let\title\relax
14429 \global\let\author\relax
14430 \global\let\date\relax
14431 \global\let\and\relax
14432 }
14433 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

14434 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14435     \futurelet\@tempa\uc@ax}
14436 \def\uc@ax{%
14437     \ifx\@tempa\relax
14438     \else
14439         \\\ \andname \\\ \expandafter\uc@authornothanks
14440     \fi}
14441 \def\uc@tx{\ifx\@tempa\relax
14442     \else \expandafter\uc@ty \fi}
14443 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14444 \else
14445 \renewcommand*\maketitle{\par
14446     \begingroup
14447     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14448     \def\@makefnmark{\rlap{%
14449         \@textsuperscript{\normalfont\@thefnmark}}}%
14450     \long\def\@makefntext{\@xmakefntext{%
14451         \@textsuperscript{\normalfont\@thefnmark}}}%
14452     \if@twocolumn
14453         \ifnum \col@number=\@ne
14454             \@maketitle
14455         \else
14456             \twocolumn[\@maketitle]%
14457         \fi
14458     \else
14459         \newpage
14460         \global\@topnum\z@
14461         \@maketitle
14462     \fi
14463     \thispagestyle{plain}\@thanks
14464 \endgroup
14465 \setcounter{footnote}{0}%
14466 \global\let\thanks\relax
14467 \global\let\LTRthanks\relax
14468 \global\let\RTLthanks\relax
14469 \global\let\maketitle\relax
14470 \global\let\@maketitle\relax
14471 \global\let\@thanks\@empty
14472 \global\let\@author\@empty
14473 \global\let\@title\@empty
14474 \global\let\@date\@empty
14475 \global\let\title\relax
14476 \global\let\author\relax
14477 \global\let\date\relax
14478 \global\let\and\relax
14479 }
14480 \def\@maketitle{%
14481     \newpage
14482     \null
14483     \vskip 2em%

```



```

14484 \if@titlecentered
14485   \begin{center}%
14486     \let \footnote \thanks
14487     \let \LTRfootnote \LTRthanks
14488     \let \RTLfootnote \RTLthanks
14489     {\LARGE \TitleFont \@title \par}%
14490     \vskip 1.5em%
14491     {\large \TitleFont
14492       \lineskip .5em%
14493       \begin{tabular}[t]{c}%
14494         \@author
14495       \end{tabular}\par}%
14496     \vskip 1em%
14497     {\large \TitleFont \@date}%
14498   \end{center}%
14499   \else
14500     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
14501     {\large \TitleFont \lineskip .5em \tabcolsep\z@
14502       \def\and{%% \begin{tabular} has already started
14503         \end{tabular}\hskip 1em plus .17fil
14504         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14505         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14506     \vskip 1em {\large \TitleFont \@date}
14507   \fi
14508   \par
14509   \vskip 1.5em}
14510 \fi
14511 \renewcommand*\@regtocline[3]{%
14512   \ifnum #1>\c@tocdepth
14513   \else
14514     \vskip\z@\@plus.2\p@
14515     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14516       \if@RTL\rightskip\else\leftskip\fi\unitindent
14517       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14518       \parfillskip\z@
14519       \@tempdima\unitindent
14520       \parindent\z@
14521       \leavevmode
14522       \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14523         \hskip 1em \nobreak{\slshape #3}\par
14524       }%
14525   \fi}
14526 \if@oldtoc
14527 \renewcommand*\l@part[2]{%
14528   \ifnum \c@tocdepth >-2\relax
14529     \addpenalty{-\@highpenalty}%
14530     \addvspace{2.25em \@plus\p@}%
14531     \begingroup
14532       \setlength\@tempdima{3em}%
14533       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

14534     \parfillskip -\@pnumwidth
14535     {\leavevmode
14536       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14537       \nobreak
14538       \global\@nobreaktrue
14539       \everypar{\global\@nobreakfalse\everypar{}}%
14540     \endgroup
14541   \fi}
14542 \else
14543   \renewcommand*\l@part{%
14544     \ifnum \c@tocdepth >-2\relax
14545     \addpenalty{-\@highpenalty}%
14546     \addvspace{2.25em \@plus \p@}%
14547     \@regtocline{0}%
14548   \fi}
14549 \fi
14550 \if@oldtoc
14551 \renewcommand*\l@chapter[2]{%
14552   \addpenalty{-\@highpenalty}%
14553   \vskip 1.0em \@plus \p@
14554   \setlength\@tempdima{1.5em}%
14555   \begingroup
14556   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14557   \parfillskip -\@pnumwidth
14558   \leavevmode \bfseries
14559   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14560   \hskip -\if@RTL\rightskip\else\leftskip\fi
14561   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14562   \penalty\@highpenalty
14563   \endgroup}
14564 \else
14565   \renewcommand*\l@chapter{\@regtocline{0}}
14566 \fi
14567 \renewcommand*\head@style{%
14568   \interlinepenalty \@M
14569   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14570   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14571 \if@titlepage
14572   \renewenvironment{abstract}{%
14573     \titlepage
14574     \null\vfil
14575     \section*{\SectFont\abstractname}%
14576     \noindent\ignorespaces}
14577     {\par\vfil\null\endtitlepage}
14578 \else
14579   \renewenvironment{abstract}{%
14580     \if@twocolumn
14581     \section*{\abstractname}%
14582     \else
14583     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

14584     \section*{\small\SectFont\abstractname}%
14585     \noindent\ignorespaces
14586     \fi}
14587     {\if@twocolumn\else\par\egroup\fi}
14588 \fi
14589 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14590 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14591 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14592 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14593 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14594 \renewcommand*\thefigure{%
14595     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14596 \renewcommand*\thetable{%
14597     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14598 \renewcommand*\theequation{%
14599     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14600 \renewenvironment{thebibliography}[1]
14601     {\chapter*{\bibname}%
14602     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14603     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14604     \list{\@biblabel{\@arabic\c@enumiv}}%
14605         {\settowidth\labelwidth{\@biblabel{#1}}%
14606         \leftmargin\labelwidth
14607         \advance\leftmargin\labelsep
14608         \@openbib@code
14609         \usecounter{enumiv}%
14610         \let\p@enumiv\@empty
14611         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14612     \sloppy\clubpenalty4000\widowpenalty4000%
14613     \sfcode`.\@m}
14614     {\def\@noitemerr
14615     {\@latex@warning{Empty `thebibliography' environment}}%
14616     \endlist}
14617 \renewcommand*\left@footnoterule{%
14618     \kern-3\p@
14619     \kern.5\baselineskip
14620     \hrule\@width\unitindent
14621     \kern.4\baselineskip
14622 }
14623 \renewcommand*\right@footnoterule{%
14624     \kern-3\p@
14625     \kern.5\baselineskip
14626     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14627     \kern.4\baselineskip}
14628 \renewcommand*\head@style{%
14629     \interlinepenalty \@M
14630     \hyphenpenalty=\@M \exhyphenpenalty=\@M
14631     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



7.98 refrep-xetex-bidi.def

```
14632 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX
14633 \if@titlepage
14634 \renewcommand\maketitle{\begin{titlepage}%
14635 \let\footnotesize\small
14636 \let\right@footnoterule\relax
14637 \let\left@footnoterule\relax
14638 \let\textwidth@footnoterule\relax
14639 \let\footnote\thanks
14640 \let\LTRfootnote\LTRthanks
14641 \let\RTLfootnote\RTLthanks
14642 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14643 \def\@makefnmark%
14644   {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14645 \long\def\@makefntext##1{%
14646   \setpar{\@par
14647     \tempdima = \hspace
14648     \advance\tempdima -1em
14649     \parshape \@ne 1em \tempdima}%
14650   \par\parindent 1em \noindent
14651   \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
14652 \null\vfil
14653 \vskip 60\p@
14654 \begin{center}%
14655   {\LARGE \@title \par}%
14656   \vskip 3em%
14657   {\large
14658     \lineskip .75em%
14659     \begin{tabular}[t]{c}%
14660       \@author
14661     \end{tabular}\par}%
14662     \vskip 1.5em%
14663     {\large \@date \par}% % Set date in \large size.
14664 \end{center}\par
14665 \@thanks
14666 \vfil\null
14667 \end{titlepage}%
14668 \setcounter{footnote}{0}%
14669 \global\let\thanks\relax
14670 \global\let\LTRthanks\relax
14671 \global\let\RTLthanks\relax
14672 \global\let\maketitle\relax
14673 \global\let\@thanks\@empty
14674 \global\let\@author\@empty
14675 \global\let\@date\@empty
14676 \global\let\@title\@empty
14677 \global\let\title\relax
14678 \global\let\author\relax
14679 \global\let\date\relax
```



```

14680 \global\let\and\relax
14681 }
14682 \else
14683 \renewcommand\maketitle{\par
14684 \begingroup
14685 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14686 \def\@makefnmark%
14687 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14688 \long\def\@makefntext##1{%
14689 \setpar{\@par
14690 \tempdima = \hsize
14691 \advance\tempdima -1em
14692 \parshape \@ne 1em \tempdima}%
14693 \par\parindent 1em \noindent
14694 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
14695 \iftwocolumn
14696 \ifnum \col@number=\@ne
14697 \maketitle
14698 \else
14699 \twocolumn[\maketitle]%
14700 \fi
14701 \else
14702 \newpage
14703 \global\@topnum\z@ % Prevents figures from going at top of page.
14704 \maketitle
14705 \fi
14706 \thispagestyle{empty}\@thanks
14707 \endgroup
14708 \setcounter{footnote}{0}%
14709 \global\let\thanks\relax
14710 \global\let\LTRthanks\relax
14711 \global\let\RTLthanks\relax
14712 \global\let\maketitle\relax
14713 \global\let\@maketitle\relax
14714 \global\let\@thanks\@empty
14715 \global\let\@author\@empty
14716 \global\let\@date\@empty
14717 \global\let\@title\@empty
14718 \global\let\title\relax
14719 \global\let\author\relax
14720 \global\let\date\relax
14721 \global\let\and\relax
14722 }
14723 \def\@maketitle{%
14724 \newpage
14725 \null
14726 \longthickrule\vskip1.5em%
14727 \let \footnote \thanks
14728 \let \LTRfootnote \LTRthanks
14729 \let \RTLfootnote \RTLthanks

```




```

14730 {\secshape \parskip\z@ \parindent\z@
14731 \Large\bfseries \@title \par}%
14732 \vskip1.5em\longthickrule\vskip1.5em%
14733 {\normalsize
14734 \lineskip .5em%
14735 \begin{flushright}%
14736 {\slshape\@author\par}
14737 \vskip 1em%
14738 {\@date}%
14739 \end{flushright}\par}%
14740 \vskip 1.5em}
14741 \fi
14742 \renewcommand*\l@part[2]{%
14743 \ifnum \c@tocdepth >-2\relax
14744 \addpenalty{-\@highpenalty}%
14745 \addvspace{2.25em \@plus\p@}%
14746 \begingroup
14747 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14748 \parfillskip -\@pnumwidth
14749 {\leavevmode
14750 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
14751 \nobreak
14752 \global\@nobreaktrue
14753 \everypar{\global\@nobreakfalse\everypar{}}%
14754 \endgroup
14755 \fi}
14756 \renewcommand*\l@chapter[2]{%
14757 \ifnum \c@tocdepth >\m@ne
14758 \addpenalty{-\@highpenalty}%
14759 \vskip 1.0em \@plus\p@
14760 \setlength\@tempdima{1.5em}%
14761 \begingroup
14762 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14763 \parfillskip -\@pnumwidth
14764 \leavevmode \bfseries
14765 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14766 \hskip -\if@RTL\rightskip\else\leftskip\fi
14767 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14768 \penalty\@highpenalty
14769 \endgroup
14770 \fi}
14771 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
14772 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
14773 \hyphenpenalty=2000}
14774 \renewcommand\left@footnoterule{%
14775 \kern-3\p@
14776 \hrule\@width.4\columnwidth
14777 \kern 2.6\p@}
14778 \renewcommand\right@footnoterule{%
14779 \kern-3\p@

```



```

14780 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14781 \kern2.6\p@}
14782 \renewcommand\theequation
14783 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14784 \renewcommand\thefigure
14785 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14786 \renewcommand\thetable%
14787 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14788 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
14789 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14790 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
14791 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14792 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
14793 \renewenvironment{thebibliography}[1]
14794 {\chapter*{\bibname
14795 \@mkboth{\bibname}{\bibname}}%
14796 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14797 \list{\@biblabel{\@arabic\c@enumiv}}%
14798 {\settowidth\labelwidth{\@biblabel{#1}}%
14799 \leftmargin\labelwidth
14800 \advance\leftmargin\labelsep
14801 \@openbib@code
14802 \usecounter{enumiv}%
14803 \let\p@enumiv\@empty
14804 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14805 \sloppy
14806 \clubpenalty4000
14807 \@clubpenalty \clubpenalty
14808 \widowpenalty4000%
14809 \sfcode`\.=\@m}
14810 {\def\@noitemerr
14811 {\@latex@warning{Empty `thebibliography' environment}}%
14812 \endlist}

```

7.99 report-xetex-bidi.def

```

14813 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
14814 \renewenvironment{theindex}
14815 {\if@twocolumn
14816 \@restonecolfalse
14817 \else
14818 \@restonecoltrue
14819 \fi
14820 \columnseprule \z@
14821 \columnsep 35\p@
14822 \twocolumn[\@makeschapterhead{\indexname}]%
14823 \@mkboth{\MakeUppercase\indexname}%
14824 {\MakeUppercase\indexname}%
14825 \thispagestyle{plain}\parindent\z@
14826 \parskip\z@ \@plus .3\p@\relax

```



```

14827             \let\item\@idxitem}
14828             {\if@restonecol\onecolumn\else\clearpage\fi}
14829 \if@titlepage
14830 \renewcommand\maketitle{\begin{titlepage}%
14831 \let\footnotesize\small
14832 \let\right@footnoterule\relax
14833 \let\left@footnoterule\relax
14834 \let\textwidth@footnoterule\relax
14835 \let \footnote \thanks
14836 \let \LTRfootnote \LTRthanks
14837 \let \RTLfootnote \RTLthanks
14838 \null\vfil
14839 \vskip 60\p@
14840 \begin{center}%
14841   {\LARGE \@title \par}%
14842   \vskip 3em%
14843   {\large
14844     \lineskip .75em%
14845     \begin{tabular}[t]{c}%
14846       \@author
14847     \end{tabular}\par}%
14848     \vskip 1.5em%
14849     {\large \@date \par}%           % Set date in \large size.
14850 \end{center}\par
14851 \@thanks
14852 \vfil\null
14853 \end{titlepage}%
14854 \setcounter{footnote}{0}%
14855 \global\let\thanks\relax
14856 \global\let\LTRthanks\relax
14857 \global\let\RTLthanks\relax
14858 \global\let\maketitle\relax
14859 \global\let\@thanks\@empty
14860 \global\let\@author\@empty
14861 \global\let\@date\@empty
14862 \global\let\@title\@empty
14863 \global\let\title\relax
14864 \global\let\author\relax
14865 \global\let\date\relax
14866 \global\let\and\relax
14867 }
14868 \else
14869 \renewcommand\maketitle{\par
14870 \begingroup
14871   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14872   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14873   \long\def\@makefntext##1{\parindent 1em\noindent
14874     \hb@xt@1.8em{\%
14875       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
14876   \if@twocolumn

```



```

14877     \ifnum \col@number=\@ne
14878         \@maketitle
14879     \else
14880         \twocolumn[\@maketitle]%
14881     \fi
14882 \else
14883     \newpage
14884     \global\@topnum\z@    % Prevents figures from going at top of page.
14885     \@maketitle
14886     \fi
14887     \thispagestyle{plain}\@thanks
14888 \endgroup
14889 \setcounter{footnote}{0}%
14890 \global\let\thanks\relax
14891 \global\let\LTRthanks\relax
14892 \global\let\RTLthanks\relax
14893 \global\let\maketitle\relax
14894 \global\let\@maketitle\relax
14895 \global\let\@thanks\@empty
14896 \global\let\@author\@empty
14897 \global\let\@date\@empty
14898 \global\let\@title\@empty
14899 \global\let\title\relax
14900 \global\let\author\relax
14901 \global\let\date\relax
14902 \global\let\and\relax
14903 }
14904 \def\@maketitle{%
14905     \newpage
14906     \null
14907     \vskip 2em%
14908     \begin{center}%
14909     \let \footnote \thanks
14910     \let \LTRfootnote \LTRthanks
14911     \let \RTLfootnote \RTLthanks
14912     {\LARGE \@title \par}%
14913     \vskip 1.5em%
14914     {\large
14915     \lineskip .5em%
14916     \begin{tabular}[t]{c}%
14917         \@author
14918     \end{tabular}\par}%
14919     \vskip 1em%
14920     {\large \@date}%
14921     \end{center}%
14922     \par
14923     \vskip 1.5em}
14924 \fi
14925 \renewcommand*\l@part[2]{%
14926     \ifnum \c@tocdepth >-2\relax

```



```

14927 \addpenalty{-\@highpenalty}%
14928 \addvspace{2.25em \@plus\p@}%
14929 \setlength\@tempdima{3em}%
14930 \begingroup
14931 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14932 \parfillskip -\@pnumwidth
14933 {\leavevmode
14934 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14935 \nobreak
14936 \global\@nobraektrue
14937 \everypar{\global\@nobraekfalse\everypar{}}%
14938 \endgroup
14939 \fi}
14940 \renewcommand*\l@chapter[2]{%
14941 \ifnum \c@tocdepth >\m@ne
14942 \addpenalty{-\@highpenalty}%
14943 \vskip 1.0em \@plus\p@
14944 \setlength\@tempdima{1.5em}%
14945 \begingroup
14946 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14947 \parfillskip -\@pnumwidth
14948 \leavevmode \bfseries
14949 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14950 \hskip -\if@RTL\rightskip\else\leftskip\fi
14951 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14952 \penalty\@highpenalty
14953 \endgroup
14954 \fi}
14955 \renewcommand\left@footnoterule{%
14956 \kern-3\p@
14957 \hrule\@width.4\columnwidth
14958 \kern2.6\p@}
14959 \renewcommand\right@footnoterule{%
14960 \kern-3\p@
14961 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14962 \kern2.6\p@}
14963 \renewcommand\theequation
14964 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14965 \renewcommand \thefigure
14966 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14967 \renewcommand \thetable
14968 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14969 \renewcommand \thechapter {\@arabic\c@chapter}
14970 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14971 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14972 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14973 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14974 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
14975 \def\@makechapterhead#1{%
14976 \vspace*{50\p@}%

```



```

14977 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
14978   \ifnum \c@secnumdepth >\m@ne
14979     \huge\bfseries \@chapapp\space \thechapter
14980     \par\nobreak
14981     \vskip 20\p@
14982   \fi
14983   \interlinepenalty\@M
14984   \Huge \bfseries #1\par\nobreak
14985   \vskip 40\p@
14986 }
14987 \def\@makeschapterhead#1{%
14988   \vspace*{50\p@}%
14989   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
14990     \normalfont
14991     \interlinepenalty\@M
14992     \Huge \bfseries #1\par\nobreak
14993     \vskip 40\p@
14994   }
14995 \renewenvironment{thebibliography}[1]
14996   {\chapter*{\bibname}%
14997     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14998   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14999     \list{\@biblabel{\@arabic\c@enumiv}}%
15000       {\settowidth\labelwidth{\@biblabel{#1}}%
15001         \leftmargin\labelwidth
15002         \advance\leftmargin\labelsep
15003         \@openbib@code
15004         \usecounter{enumiv}%
15005         \let\p@enumiv\@empty
15006         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15007     \sloppy
15008     \clubpenalty4000
15009     \@clubpenalty \clubpenalty
15010     \widowpenalty4000%
15011     \sfcode`. \.\@m}
15012   {\def\@noitemerr
15013     {\@latex@warning{Empty `thebibliography' environment}}%
15014     \endlist}

```

7.100 rotating-xetex-bidi.def

```

15015 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15016 \def\end@rotfloat{%
15017   \end{minipage}\end{lrbox}%
15018   \stepcounter{r@tfl@t}%
15019   \rot@label{RF\ther@tfl@t}%
15020   \rot@pageref{RF\ther@tfl@t}{\R@page}%
15021   \edef\@tempa{Adding sideways \@capytype\space on page \R@page\space}
15022   \rot@mess@toks\expandafter{\@tempa}
15023   \wd\rot@float@box\z@

```



```

15024 \ht\rot@float@box\z@
15025 \dp\rot@float@box\z@
15026 \vboxL to \textheight{%
15027 \setkeys{Grot}{units=360}%
15028 \if@rot@twoside
15029 \else
15030 \let\R@@page\rot@LR
15031 \fi
15032 \ifthenelse{\isodd{\R@@page}}{%
15033 \if@rot@twoside
15034 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15035 \fi
15036 \vfill
15037 \@@line{%
15038 \hskip\rotFPtop
15039 \rotatebox{90}{\box\rot@float@box}%
15040 \hskip\rotFPbot
15041 }%
15042 }{%
15043 \if@rot@twoside
15044 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15045 \fi
15046 \@@line{%
15047 \hskip\rotFPbot
15048 \rotatebox{-90}{\box\rot@float@box}%
15049 \hskip\rotFPtop
15050 }%
15051 \vfill
15052 }%
15053 \rot@message{\the\rot@mess@toks}
15054 }%
15055 \end@float
15056 }
15057 \let\endsidewaysfigure\end@rotfloat
15058 \let\endsidewaystable\end@rotfloat
15059 \def\end@rotdblfloat{%
15060 \end{minipage}\end{lrbox}%
15061 \stepcounter{r@tfl@t}%
15062 \rot@label{RF\ther@tfl@t}%
15063 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15064 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
15065 \rot@mess@toks\expandafter{\@tempa}
15066 \@tempdima\ht\rot@float@box
15067 \advance\@tempdima by \dp\rot@float@box
15068 \wd\rot@float@box\z@
15069 \ht\rot@float@box\z@
15070 \dp\rot@float@box\z@
15071 \vboxL to \textheight{%
15072 \setkeys{Grot}{units=360}%
15073 \if@rot@twoside

```



```

15074 \else
15075 \let\R@@page\rot@LR
15076 \fi
15077 \ifthenelse{\isodd{\R@@page}}{%
15078 \ifrot@messages
15079 \ifrot@twoside
15080 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15081 \fi
15082 \fi
15083 \vfill
15084 \@@line{%
15085 \hskip\rotFPtop
15086 \rotatebox{90}{\box\rot@float@box}%
15087 \hskip\rotFPbot
15088 }%
15089 }{%
15090 \ifrot@messages
15091 \ifrot@twoside
15092 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15093 \fi
15094 \fi%
15095 \@@line{%
15096 \hskip\rotFPbot
15097 \rotatebox{-90}{\box\rot@float@box}%
15098 \hskip\rotFPtop
15099 }%
15100 \vfill
15101 }%
15102 \rot@message{\the\rot@mess@toks}%
15103 }%
15104 \end@dblfloat
15105 }
15106 \def\turn#1{%
15107 \Grot@setangle{#1}%
15108 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15109 \def\endturn{%
15110 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15111 \unskip\color@endbox
15112 \Grot@x\z@
15113 \Grot@y\z@
15114 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15115 }
15116 \def\rotate#1{%
15117 \Grot@setangle{#1}%
15118 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15119 \def\endrotate{%
15120 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15121 \unskip\color@endbox
15122 \Grot@x\z@
15123 \Grot@y\z@

```




```

15124 \wd0\z@\dp0\z@\ht0\z@
15125 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15126 }
15127 \def\turnbox#1#2{%
15128 \Grot@setangle{#1}%
15129 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15130 \Grot@x\z@\Grot@y\z@
15131 \wd0\z@\dp0\z@\ht0\z@
15132 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15133 }
15134 \def\sideways{%
15135 \Grot@setangle{90}%
15136 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15137 \def\endsideways{%
15138 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15139 \unskip\color@endbox
15140 \Grot@x\z@
15141 \Grot@y\z@
15142 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15143 }

```

7.101 scrartcl-xetex-bidi.def

```

15144 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for X
15145 \newcommand{\scr@saved@LTRfootnotetext}{}
15146 \newcommand{\scr@saved@RTLfootnotetext}{}
15147 \let\scr@saved@footnotetext\@footnotetext
15148 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15149 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15150 \renewcommand{\@footnotetext}[1]{%
15151 \scr@saved@footnotetext{#1}%
15152 \csname FN@mf@prepare\endcsname
15153 }
15154 \renewcommand{\@LTRfootnotetext}[1]{%
15155 \scr@saved@LTRfootnotetext{#1}%
15156 \csname FN@mf@prepare\endcsname
15157 }
15158 \renewcommand{\@RTLfootnotetext}[1]{%
15159 \scr@saved@RTLfootnotetext{#1}%
15160 \csname FN@mf@prepare\endcsname
15161 }
15162 \renewcommand\deffootnote[4] [] {%
15163 \long\def\@makefn#1{%
15164 \setlength{\@tempdimc}{#3}%
15165 \def\@tempa{#1}\ifx\@tempa\@empty
15166 \setpar{\@par
15167 \@tempdima = \hspace
15168 \addtolength{\@tempdima}{-#2}%
15169 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15170 \else

```



```

15171 \addtolength{\@tempdimc}{#2}%
15172 \addtolength{\@tempdimc}{-#1}%
15173 \@setpar{\@par
15174 \@tempdima = \hsize
15175 \addtolength{\@tempdima}{-#1}%
15176 \@tempdimb = \hsize
15177 \addtolength{\@tempdimb}{-#2}%
15178 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t.
15179 }%
15180 \fi
15181 \par
15182 \parindent\@tempdimc\noindent
15183 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15184 }%
15185 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15186 }
15187 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15188 \renewcommand*\left@footnoterule{%
15189 \normalsize\ftn@rule@test@values
15190 \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
15191 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15192 {\usekomafont{footnoterule}{%
15193 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15194 \kern 2.6\p@}
15195 \renewcommand*\right@footnoterule{%
15196 \normalsize\ftn@rule@test@values
15197 \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
15198 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15199 {\usekomafont{footnoterule}{%
15200 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15201 \kern 2.6\p@}
15202 \renewcommand*\maketitle[1][1]{%
15203 \if@titlepage
15204 \begin{titlepage}
15205 \setcounter{page}{%
15206 #1%
15207 }%
15208 \let\footnotesize\small
15209 \let\right@footnoterule\relax
15210 \let\left@footnoterule\relax
15211 \let\textwidth@footnoterule\relax
15212 \let\footnote\thanks
15213 \let\LTRfootnote\LTRthanks
15214 \let\RTLfootnote\RTLthanks
15215 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15216 \let\@oldmakefnmark\@makefnmark
15217 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15218 \ifx\@extratitle\@empty \else
15219 \noindent\@extratitle\next@page\cleardoubleemptypage
15220 \thispagestyle{empty}%

```



```

15221     \fi
15222     \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
15223     \ifx\@titlehead\@empty \else
15224         \begin{minipage}[t]{\textwidth}%
15225             \@titlehead
15226         \end{minipage}\par
15227     \fi
15228     \null\vfill
15229     \begin{center}
15230         \ifx\@subject\@empty \else
15231             {\subject@font \@subject \par}%
15232             \vskip 3em
15233         \fi
15234         {\titlefont\huge \@title\par}%
15235         \vskip 1em
15236     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15237         \vskip 2em
15238         {\Large \lineskip 0.75em
15239             \begin{tabular}[t]{c}
15240                 \@author
15241             \end{tabular}\par
15242             }%
15243         \vskip 1.5em
15244         {\Large \@date \par}%
15245         \vskip \z@ \@plus3fill
15246         {\Large \@publishers \par}%
15247         \vskip 3em
15248     \end{center}\par
15249     \@thanks
15250     \vfill\null
15251     \if@twoside\next@tpage
15252         \begin{minipage}[t]{\textwidth}
15253             \@uppertitleback
15254         \end{minipage}\par
15255         \vfill
15256         \begin{minipage}[b]{\textwidth}
15257             \@lowertitleback
15258         \end{minipage}
15259     \fi
15260     \ifx\@dedication\@empty \else
15261         \next@tpage\null\vfill
15262         {\centering \Large \@dedication \par}%
15263         \vskip \z@ \@plus3fill
15264         \if@twoside \next@tpage\cleardoubleemptypage \fi
15265     \fi
15266     \end{titlepage}
15267 \else
15268     \par
15269     \@tempcnta=%
15270     #1%

```



```

15271 \relax\ifnum\@tempcnta=1\else
15272 \ClassWarning{\KOMAClassName}{%
15273   Optional argument of \string\maketitle\space ignored
15274   at\MessageBreak
15275   notitlepage-mode%
15276 }%
15277 \fi
15278 \beginingroup
15279 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15280 \let\@oldmakefnmark\@makefnmark
15281 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15282 \if@twocolumn
15283 \ifnum \col@number=\@ne
15284 \@maketitle
15285 \else
15286 \twocolumn[\@maketitle]%
15287 \fi
15288 \else
15289 \newpage
15290 \global\@topnum\z@
15291 \@maketitle
15292 \fi
15293 \thispagestyle{\titlepagestyle}\@thanks
15294 \endgroup
15295 \fi
15296 \setcounter{footnote}{0}%
15297 \let\thanks\relax
15298 \let\LTRthanks\relax
15299 \let\RTLthanks\relax
15300 \let\maketitle\relax
15301 \let\@maketitle\relax
15302 \global\let\@thanks\@empty
15303 \global\let\@author\@empty
15304 \global\let\@date\@empty
15305 \global\let\@title\@empty
15306 \global\let\@subtitle\@empty
15307 \global\let\@extratitle\@empty
15308 \global\let\@titlehead\@empty
15309 \global\let\@subject\@empty
15310 \global\let\@publishers\@empty
15311 \global\let\@uppertitleback\@empty
15312 \global\let\@lowertitleback\@empty
15313 \global\let\@dedication\@empty
15314 \global\let\author\relax
15315 \global\let\title\relax
15316 \global\let\extratitle\relax
15317 \global\let\titlehead\relax
15318 \global\let\subject\relax
15319 \global\let\publishers\relax
15320 \global\let\uppertitleback\relax

```



```

15321 \global\let\lowertitleback\relax
15322 \global\let\dedication\relax
15323 \global\let\date\relax
15324 \global\let\and\relax
15325 }%
15326 \renewcommand*{\@maketitle}{%
15327 \clearpage
15328 \let\footnote\thanks
15329 \let\LTRfootnote\LTRthanks
15330 \let\RTLfootnote\RTLthanks
15331 \ifx\@extratitle\@empty \else
15332 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15333 \fi
15334 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
15335 \ifx\@titlehead\@empty \else
15336 \begin{minipage}[t]{\textwidth}
15337 \@titlehead
15338 \end{minipage}\par
15339 \fi
15340 \null
15341 \vskip 2em%
15342 \begin{center}%
15343 \ifx\@subject\@empty \else
15344 {\subject@font \@subject \par}
15345 \vskip 1.5em
15346 \fi
15347 {\titlefont\huge \@title \par}%
15348 \vskip .5em
15349 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15350 \vskip 1em
15351 {\Large
15352 \lineskip .5em%
15353 \begin{tabular}[t]{c}
15354 \@author
15355 \end{tabular}\par
15356 }%
15357 \vskip 1em%
15358 {\Large \@date \par}%
15359 \vskip z@ \@plus 1em
15360 {\Large \@publishers \par}
15361 \ifx\@dedication\@empty \else
15362 \vskip 2em
15363 {\Large \@dedication \par}
15364 \fi
15365 \end{center}%
15366 \par
15367 \vskip 2em
15368 }%
15369 \renewcommand*\l@part[2]{%
15370 \ifnum \c@tocdepth >\m@ne\relax

```



```

15371 \addpenalty{\@secpenalty}%
15372 \addvspace{2.25em \@plus\p@}%
15373 \setlength{\@tempdima}{2em}%
15374 \if@tocleft
15375     \ifx\toc@l@number\@empty\else
15376         \setlength\@tempdima{0\toc@l@number}%
15377     \fi
15378 \fi
15379 \beginingroup
15380     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15381     \parfillskip -\@pnumwidth
15382     \leavevmode
15383     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15384     \hskip -\if@RTL\rightskip\else\leftskip\fi
15385     {\usekomafont{partentry}{#1\nobreak
15386         \usekomafont{partentrypagenumber}{\hfil\nobreak
15387             \hb@xt@\@pnumwidth{\hss#2}}}\par
15388     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15389     \endgroup
15390     \penalty20010
15391     \else
15392         \if@compatibility
15393             \global\@nobreaktrue
15394             \everypar{\global\@nobreakfalse\everypar{}}%
15395         \else
15396             \penalty\@highpenalty
15397         \fi
15398     \endgroup
15399 \fi
15400 \fi
15401 }
15402 \renewcommand*\l@section[2]{%
15403     \ifnum \c@tocdepth >\z@
15404         \ifnum \lastpenalty<20009
15405             \addpenalty{\@secpenalty}%
15406         \fi
15407         \addvspace{1.0em \@plus\p@}%
15408         \setlength\@tempdima{1.5em}%
15409         \if@tocleft
15410             \ifx\toc@l@number\@empty\else
15411                 \setlength\@tempdima{0\toc@l@number}%
15412             \fi
15413         \fi
15414     \beginingroup
15415         \raggedsectionentry
15416         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15417         \parfillskip -\@pnumwidth
15418         \interlinepenalty\@M
15419         \leavevmode
15420         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk

```



```

15421     {\usekomafont{sectionentry}{#1\nobreak
15422         \usekomafont{sectionentrypagenumber}{%
15423             \hfill\nobreak
15424             \hb@xt@{\@pnumwidth{\hss#2}}}\par
15425     \endgroup
15426     \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
15427         \penalty20008
15428     \fi
15429 \fi
15430 }
15431 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15432 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15433 \renewcommand*{\autodot}{\if@altsecnumformat\@SepMark\fi}
15434 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15435 \renewcommand*{\thesubsubsection}{%
15436     \thesubsection\@SepMark\@arabic\c@subsubsection
15437 }
15438 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15439 \renewcommand*{\thesubparagraph}{%
15440     \theparagraph\@SepMark\@arabic\c@subparagraph
15441 }
15442 \renewenvironment{thebibliography}[1]{%
15443     \if@bib@break@
15444         \bib@beginhook
15445     \else
15446         \bib@heading
15447         \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15448             \noindent\bibpreamble\par\nobreak
15449         \fi\fi
15450         \bib@beginhook
15451         \bib@before@hook
15452     \fi
15453     \renewcommand{\BreakBibliography}[1]{%
15454         \@bib@break
15455         \end{thebibliography}%
15456         \begingroup ##1\endgroup
15457         \begin{thebibliography}{#1}
15458     }%
15459     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15460     \list{%
15461         \@biblabel{\@arabic\c@enumiv}%
15462     }{%
15463         \settowidth\labelwidth{\@biblabel{#1}}%
15464         \leftmargin\labelwidth
15465         \advance\leftmargin\labelsep
15466         \@openbib@code
15467         \if@bib@break@
15468             \edef\@tempa{%
15469                 \noexpand\usecounter{enumiv}%
15470                 \noexpand\setcounter{enumiv}{\the\c@enumiv}%

```



```

15471     }\@tempa
15472     \no@bib@break
15473     \else
15474         \usecounter{enumiv}%
15475     \fi
15476     \let\p@enumiv\@empty
15477     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15478 }%
15479 \sloppy\clubpenalty4000 \widowpenalty4000
15480 \sfcode`\.=\@m
15481 }{f%
15482 \if@bib@break@
15483     \def\@noitemerr{%
15484         \@latex@warning{%
15485             \string\BreakBibliography\space at begin of `thebibliography'
15486             environment\MessageBreak
15487             or following \string\BreakBibliography}%
15488     }%
15489 \else
15490     \def\@noitemerr{%
15491         \@latex@warning{%
15492             Empty `thebibliography' environment or
15493             \string\BreakBibliography\MessageBreak
15494             before end of `thebibliography' environment}%
15495     }%
15496 \fi
15497 \endlist
15498 \if@bib@break@
15499 \else
15500     \bib@after@hook
15501     \let\bib@before@hook\@empty
15502     \let\bib@after@hook\@empty
15503 \fi
15504 \bib@endhook
15505 }
15506 \renewcommand*\left@footnoterule{%
15507     \kern-3\p@
15508     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15509     \hrule\@width.4\columnwidth
15510     \kern 2.6\p@}
15511 \renewcommand*\right@footnoterule{%
15512     \kern-3\p@
15513     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15514     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15515     \kern2.6\p@}
15516 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
15517 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
15518 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
15519 \renewcommand\marginline[1]{%
15520     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}

```




```

15521 }
15522 \renewcommand{\@@makecaption}[3]{%
15523   \cap@margin
15524   \ifonelinecaptions
15525     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15526     \let\scr@tmp@footnotetext=\@footnotetext
15527     \let\@footnotetext=\@gobble
15528     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15529     \let\@LTRfootnotetext=\@gobble
15530     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15531     \let\@RTLfootnotetext=\@gobble
15532     \sbox\@tempboxa{%
15533       {\capfont{\strut\ignorespaces
15534         #1{\caplabelfont{#2\captionformat}}}%
15535       #3\unskip\strut}}%
15536   }%
15537   \let\@footnotetext=\scr@tmp@footnotetext
15538   \let\scr@tmp@footnotetext=\undefined
15539   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15540   \let\scr@tmp@LTRfootnotetext=\undefined
15541   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15542   \let\scr@tmp@RTLfootnotetext=\undefined
15543   \setcounter{footnote}{\@tempcntb}%
15544   \setcounter{mpfootnote}{\@tempcnta}%
15545 \else
15546   \sbox\@tempboxa{\hspace*{2\cap@width}}%
15547 \fi
15548 \begingroup%
15549   \setlength{\@tempdima}{\cap@width}%
15550   \ifdim \wd\@tempboxa >\@tempdima
15551     \hb@xt@\hsize{%
15552       \setbox\@tempboxa\vbox{\hsize=\cap@width
15553         \ifdofullc@p
15554           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15555             #1{\caplabelfont{#2\captionformat}}}}}%
15556           {\#3\unskip\strut\par}}}%
15557         \else%
15558           \ifdim\cap@indent<\z@
15559             {\capfont{\strut\ignorespaces
15560               #1{\caplabelfont{#2\captionformat\par}}}%
15561             \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15562           \else%
15563             \if@capbreak
15564               {\capfont{\strut\ignorespaces
15565                 #1{\caplabelfont{#2\captionformat\par}}}%
15566               \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
15567             \else
15568               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15569                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15570                   {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%

```



```

15571         \fi
15572         \fi
15573         \fi
15574     }%
15575     \setlength{\@tempdima}{\ht\@tempboxa}%
15576     \addtolength{\@tempdima}{\dp\@tempboxa}%
15577     \addtolength{\@tempdima}{-\ht\strutbox}%
15578     \ht\@tempboxa\ht\strutbox
15579     \dp\@tempboxa\@tempdima
15580     \strut\cap@left
15581     \box\@tempboxa
15582     \cap@right\strut
15583 }%
15584 \else
15585     \global \@minipagefalse
15586     \sbox\@tempboxa{%
15587         {\capfont{\scr@smashdp{\strut\ignorespaces
15588             #1{\caplabelfont{#2\captionformat}}}%
15589             #3}}%
15590     }%
15591     {\capfont{\hb@xt@\hszize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15592     \fi
15593 \endgroup
15594 }
15595 \renewcommand{\@makecaption}[2]{%
15596     \if@captionabove
15597         \vskip\belowcaptionskip
15598     \else
15599         \vskip\abovecaptionskip
15600     \fi
15601     \@@makecaption\@firstofone{#1}{#2}%
15602     \if@captionabove
15603         \vskip\abovecaptionskip
15604     \else
15605         \vskip\belowcaptionskip
15606     \fi
15607 }
15608 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15609     \@ifpackageloaded{caption2}{\@komalongtablefalse
15610         \scr@caption@before@longtable@warning{caption2}%
15611     }{}%
15612     \if@komalongtable
15613         \renewcommand{\LT@makecaption}[3]{%
15614             \noalign{%
15615                 \if@captionabove
15616                     \vskip\belowcaptionskip
15617                 \else
15618                     \vskip\abovecaptionskip
15619                 \fi
15620             }%

```



```

15621     \LT@mcol\LT@cols c{%
15622         \hbox to\z@\{\hss\parbox[t]\linewidth{%
15623             \@makecaption{#1}{#2}{#3}%
15624             \endgraf
15625             \if@captionabove
15626                 \vskip\abovecaptionskip
15627             \else
15628                 \vskip\belowcaptionskip
15629             \fi
15630         }%
15631     \hss
15632 }%
15633 }%
15634 }%
15635 \renewcommand*\scr@LT@array}{}%
15636 \let\scr@LT@array=\LT@array
15637 \renewcommand*\LT@array{%
15638     \let\scr@caption=\LT@caption
15639     \def\captionabove{\noalign{\global\@captionabovetrue}%
15640         \scr@caption}%
15641     \def\captionbelow{\noalign{\global\@captionabovetrue}%
15642         \scr@caption}%
15643     \if@tablecaptionabove
15644         \let\LT@caption=\captionabove
15645     \else
15646         \let\LT@caption=\captionbelow
15647     \fi
15648     \scr@LT@array
15649 }%
15650 \ClassInfo{\KOMAClassName}{%
15651     longtable captions redefined%
15652 }%
15653 \fi
15654 }

```

7.102 scrbook-xetex-bidi.def

```

15655 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
15656 \newcommand{\scr@saved@LTRfootnotetext}{}
15657 \newcommand{\scr@saved@RTLfootnotetext}{}
15658 \let\scr@saved@footnotetext\@footnotetext
15659 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15660 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15661 \renewcommand{\@footnotetext}[1]{%
15662     \scr@saved@footnotetext{#1}%
15663     \csname FN@mfi@prepare\endcsname
15664 }
15665 \renewcommand{\@LTRfootnotetext}[1]{%
15666     \scr@saved@LTRfootnotetext{#1}%
15667     \csname FN@mfi@prepare\endcsname

```



```

15668 }
15669 \renewcommand{\@RTLfootnotetext}[1]{%
15670   \scr@saved@RTLfootnotetext{#1}%
15671   \csname FN@mf@prepare\endcsname
15672 }
15673 \renewcommand\deffootnote[4][1]{%
15674   \long\def\@makefnmark##1{%
15675     \setlength{\@tempdimc}{#3}%
15676     \def\@tempa{#1}\ifx\@tempa\@empty
15677       \setpar{\@par
15678         \@tempdima = \hsize
15679         \addtolength{\@tempdima}{-#2}%
15680         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15681       \else
15682         \addtolength{\@tempdimc}{#2}%
15683         \addtolength{\@tempdimc}{-#1}%
15684         \setpar{\@par
15685           \@tempdima = \hsize
15686           \addtolength{\@tempdima}{-#1}%
15687           \@tempdimb = \hsize
15688           \addtolength{\@tempdimb}{-#2}%
15689           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb\fi}%
15690       }%
15691       \fi
15692       \par
15693       \parindent\@tempdimc\noindent
15694       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15695     }%
15696     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15697 }
15698 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15699 \renewcommand*\left@footnoterule{%
15700   \normalsize\ftn@rule@test@values
15701   \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
15702   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15703   {\usekomafont{footnoterule}{%
15704     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15705   \kern 2.6\p@}
15706 \renewcommand*\right@footnoterule{%
15707   \normalsize\ftn@rule@test@values
15708   \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
15709   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15710   {\usekomafont{footnoterule}{%
15711     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leaders
15712     \kern 2.6\p@}
15713 \renewcommand*\maketitle[1][1]{%
15714   \if@titlepage
15715     \begin{titlepage}
15716       \setcounter{page}{%
15717         #1%

```



```

15718 }%
15719 \let\footnotesize\small
15720 \let\right@footnoterule\relax
15721 \let\left@footnoterule\relax
15722 \let\textwidth@footnoterule\relax
15723 \let\footnote\thanks
15724 \let\LTRfootnote\LTRthanks
15725 \let\RTLfootnote\RTLthanks
15726 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15727 \let\@oldmakefnmark\@makefnmark
15728 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15729 \ifx\@extratitle\@empty \else
15730 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15731 \thispagestyle{empty}%
15732 \fi
15733 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15734 \ifx\@titlehead\@empty \else
15735 \begin{minipage}[t]{\textwidth}%
15736 \@titlehead
15737 \end{minipage}\par
15738 \fi
15739 \null\vfill
15740 \begin{center}
15741 \ifx\@subject\@empty \else
15742 {\subject@font \@subject \par}%
15743 \vskip 3em
15744 \fi
15745 {\titlefont\huge \@title\par}%
15746 \vskip 1em
15747 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15748 \vskip 2em
15749 {\Large \lineskip 0.75em
15750 \begin{tabular}[t]{c}
15751 \@author
15752 \end{tabular}\par
15753 }%
15754 \vskip 1.5em
15755 {\Large \@date \par}%
15756 \vskip \z@ \@plus3fill
15757 {\Large \@publishers \par}%
15758 \vskip 3em
15759 \end{center}\par
15760 \@thanks
15761 \vfill\null
15762 \if@twoside\next@tpage
15763 \begin{minipage}[t]{\textwidth}
15764 \@uppertitleback
15765 \end{minipage}\par
15766 \vfill
15767 \begin{minipage}[b]{\textwidth}

```



```

15768         \@lowertitleback
15769         \end{minipage}
15770     \fi
15771     \ifx\@dedication\@empty \else
15772         \next@tpage\null\vfill
15773         {\centering \Large \@dedication \par}%
15774         \vskip \z@ \@plus3fill
15775         \if@twoside \next@tpage\cleardoubleemptypage \fi
15776     \fi
15777 \end{titlepage}
15778 \else
15779     \par
15780     \@tempcnta=%
15781     #1%
15782     \relax\ifnum\@tempcnta=1\else
15783         \ClassWarning{KOMAClassName}{%
15784             Optional argument of \string\maketitle\space ignored
15785             at\MessageBreak
15786             notitlepage-mode%
15787         }%
15788     \fi
15789     \begingroup
15790         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15791         \let\@oldmakefnmark\@makefnmark
15792         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15793         \if@twocolumn
15794             \ifnum \col@number=\@ne
15795                 \@maketitle
15796             \else
15797                 \twocolumn[\@maketitle]%
15798             \fi
15799         \else
15800             \newpage
15801             \global\@topnum\z@
15802             \@maketitle
15803         \fi
15804         \thispagestyle{\titlepagestyle}\@thanks
15805     \endgroup
15806 \fi
15807 \setcounter{footnote}{0}%
15808 \let\thanks\relax
15809 \let\LTRthanks\relax
15810 \let\RTLthanks\relax
15811 \let\maketitle\relax
15812 \let\@maketitle\relax
15813 \global\let\@thanks\@empty
15814 \global\let\@author\@empty
15815 \global\let\@date\@empty
15816 \global\let\@title\@empty
15817 \global\let\@subtitle\@empty

```



```

15818 \global\let\@extratitle\@empty
15819 \global\let\@titlehead\@empty
15820 \global\let\@subject\@empty
15821 \global\let\@publishers\@empty
15822 \global\let\@uppertitleback\@empty
15823 \global\let\@lowertitleback\@empty
15824 \global\let\@dedication\@empty
15825 \global\let\author\relax
15826 \global\let\title\relax
15827 \global\let\extratitle\relax
15828 \global\let\titlehead\relax
15829 \global\let\subject\relax
15830 \global\let\publishers\relax
15831 \global\let\uppertitleback\relax
15832 \global\let\lowertitleback\relax
15833 \global\let\dedication\relax
15834 \global\let\date\relax
15835 \global\let\and\relax
15836 }%
15837 \renewcommand*{\@maketitle}{%
15838 \clearpage
15839 \let\footnote\thanks
15840 \let\LTRfootnote\LTRthanks
15841 \let\RTLfootnote\RTLthanks
15842 \ifx\@extratitle\@empty \else
15843 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15844 \fi
15845 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15846 \ifx\@titlehead\@empty \else
15847 \begin{minipage}[t]{\textwidth}
15848 \@titlehead
15849 \end{minipage}\par
15850 \fi
15851 \null
15852 \vskip 2em%
15853 \begin{center}%
15854 \ifx\@subject\@empty \else
15855 {\subject@font \@subject \par}
15856 \vskip 1.5em
15857 \fi
15858 {\titlefont\huge \@title \par}%
15859 \vskip .5em
15860 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15861 \vskip 1em
15862 {\Large
15863 \lineskip .5em%
15864 \begin{tabular}[t]{c}
15865 \@author
15866 \end{tabular}\par
15867 }%

```



```

15868 \vskip 1em%
15869 {\Large \@date \par}%
15870 \vskip \z@ \@plus 1em
15871 {\Large \@publishers \par}
15872 \ifx\@dedication\@empty \else
15873 \vskip 2em
15874 {\Large \@dedication \par}
15875 \fi
15876 \end{center}%
15877 \par
15878 \vskip 2em
15879 }%
15880 \renewcommand*\l@part [2]{%
15881 \ifnum \c@tocdepth >-2\relax
15882 \addpenalty{-\@highpenalty}%
15883 \addvspace{2.25em \@plus\p@}%
15884 \setlength{\@tempdima}{2em}%
15885 \if@tocleft
15886 \ifx\toc@l@number\@empty\else
15887 \setlength\@tempdima{0\toc@l@number}%
15888 \fi
15889 \fi
15890 \begingroup
15891 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15892 \parfillskip -\@pnumwidth
15893 \leavevmode
15894 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15895 \hskip -\if@RTL\rightskip\else\leftskip\fi
15896 {\usekomafont{partentry}{#1\nobreak
15897 \usekomafont{partentrypagenumber}{\hfil\nobreak
15898 \hbxt@\@pnumwidth{\hss#2}}}\par
15899 \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
15900 \endgroup
15901 \penalty20010
15902 \else
15903 \penalty\@highpenalty
15904 \endgroup
15905 \fi
15906 \fi
15907 }\renewcommand*\l@part [2]{%
15908 \ifnum \c@tocdepth >-2\relax
15909 \addpenalty{-\@highpenalty}%
15910 \addvspace{2.25em \@plus\p@}%
15911 \setlength{\@tempdima}{2em}%
15912 \if@tocleft
15913 \ifx\toc@l@number\@empty\else
15914 \setlength\@tempdima{0\toc@l@number}%
15915 \fi
15916 \fi
15917 \begingroup

```




```

15918     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15919     \parfillskip -\@pnumwidth
15920     \leavevmode
15921     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15922     \hskip -\if@RTL\rightskip\else\leftskip\fi
15923     {\usekomafont{partentry}{#1\nobreak
15924       \usekomafont{partentrypagenumber}{\hfil\nobreak
15925         \hb@xt@\@pnumwidth{\hss#2}}}\par
15926     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15927     \endgroup
15928     \penalty20010
15929     \else
15930       \penalty\@highpenalty
15931     \endgroup
15932   \fi
15933 \fi
15934 }
15935 \renewcommand*\l@chapter[2]{%
15936   \ifnum \c@tocdepth >\m@ne
15937     \ifnum \lastpenalty<20010
15938       \addpenalty{-\@highpenalty}%
15939     \fi
15940     \vskip 1.0em \@plus\p@
15941     \setlength\@tempdima{1.5em}%
15942     \if@tocleft
15943       \ifx\toc@l@number\@empty\else
15944         \setlength\@tempdima{0\toc@l@number}%
15945       \fi
15946     \fi
15947     \begingroup
15948       \raggedchapterentry
15949     \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15950     \parfillskip -\@pnumwidth
15951     \interlinepenalty\@M
15952     \leavevmode
15953     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15954     {\usekomafont{chapterentry}{#1\nobreak
15955       \usekomafont{chapterentrypagenumber}{%
15956         \hfill\nobreak
15957         \hb@xt@\@pnumwidth{\hss#2}}}\par
15958     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15959     \endgroup
15960     \penalty20009
15961     \else
15962       \penalty\@highpenalty
15963     \endgroup
15964   \fi
15965 \fi
15966 }
15967 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```



```

15968 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15969 \renewcommand*\thesection{%
15970   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15971     \if@mainmatter\thechapter\@SepMark\fi
15972   \else
15973     \thechapter\@SepMark%
15974   \fi
15975   \@arabic\c@section
15976 }
15977 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15978 \renewcommand*\thesubsubsection{%
15979   \thesubsection\@SepMark\@arabic\c@subsubsection
15980 }
15981 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15982 \renewcommand*\thesubparagraph{%
15983   \theparagraph\@SepMark\@arabic\c@subparagraph
15984 }
15985 \renewcommand*\thefigure{%
15986   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15987     \if@mainmatter\thechapter\@SepMark\fi
15988   \else
15989     \thechapter\@SepMark%
15990   \fi
15991   \@arabic\c@figure
15992 }
15993 \renewcommand*\thetable{%
15994   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15995     \if@mainmatter\thechapter\@SepMark\fi
15996   \else
15997     \thechapter\@SepMark%
15998   \fi
15999   \@arabic\c@table
16000 }
16001 \renewcommand*\theequation{%
16002   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16003     \if@mainmatter\thechapter\@SepMark\fi
16004   \else
16005     \thechapter\@SepMark%
16006   \fi
16007   \@arabic\c@equation
16008 }
16009 \renewenvironment{thebibliography}[1]{%
16010   \if@bib@break@
16011     \bib@beginhook
16012   \else
16013     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16014       \setchapterpreamble{\bibpreamble}%
16015     \fi\fi
16016     \bib@heading
16017     \bib@beginhook

```



```

16018 \bib@before@hook
16019 \fi
16020 \renewcommand{\BreakBibliography}[1]{%
16021 \@bib@break
16022 \end{thebibliography}%
16023 \begingroup ##1\endgroup
16024 \begin{thebibliography}{#1}
16025 }%
16026 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16027 \list{%
16028 \@biblabel{\@arabic\c@enumiv}%
16029 }{%
16030 \settowidth\labelwidth{\@biblabel{#1}}%
16031 \leftmargin\labelwidth
16032 \advance\leftmargin\labelsep
16033 \@openbib@code
16034 \if@bib@break@
16035 \edef\@tempa{%
16036 \noexpand\usecounter{enumiv}%
16037 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16038 }\@tempa
16039 \no@bib@break
16040 \else
16041 \usecounter{enumiv}%
16042 \fi
16043 \let\p@enumiv\@empty
16044 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16045 }%
16046 \sloppy\clubpenalty4000 \widowpenalty4000
16047 \sfcode`\.\=@m
16048 }{%
16049 \if@bib@break@
16050 \def\@noitemerr{%
16051 \@latex@warning{%
16052 \string\BreakBibliography\space at begin of `thebibliography'
16053 environment\MessageBreak
16054 or following \string\BreakBibliography}%
16055 }%
16056 \else
16057 \def\@noitemerr{%
16058 \@latex@warning{%
16059 Empty `thebibliography' environment or
16060 \string\BreakBibliography\MessageBreak
16061 before end of `thebibliography' environment}%
16062 }%
16063 \fi
16064 \endlist
16065 \if@bib@break@
16066 \else
16067 \bib@after@hook

```



```

16068 \let\bib@before@hook\@empty
16069 \let\bib@after@hook\@empty
16070 \fi
16071 \bib@endhook
16072 }
16073 \renewcommand*\left@footnoterule{%
16074 \kern-3\p@
16075 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16076 \hrule\@width.4\columnwidth
16077 \kern 2.6\p@}
16078 \renewcommand*\right@footnoterule{%
16079 \kern-3\p@
16080 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16081 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16082 \kern2.6\p@}
16083 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16084 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16085 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16086 \renewcommand\marginline[1]{%
16087 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16088 }
16089 \renewcommand{\@makecaption}[3]{%
16090 \cap@margin
16091 \ifonelinecaptions
16092 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16093 \let\scr@tmp@footnotetext=\@footnotetext
16094 \let\@footnotetext=\@gobble
16095 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16096 \let\@LTRfootnotetext=\@gobble
16097 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16098 \let\@RTLfootnotetext=\@gobble
16099 \sbox\@tempboxa{%
16100 \capfont{\strut\ignorespaces
16101 #1{\caplabelfont{#2\captionformat}}}%
16102 #3\unskip\strut}}%
16103 }%
16104 \let\@footnotetext=\scr@tmp@footnotetext
16105 \let\scr@tmp@footnotetext=\undefined
16106 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16107 \let\scr@tmp@LTRfootnotetext=\undefined
16108 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16109 \let\scr@tmp@RTLfootnotetext=\undefined
16110 \setcounter{footnote}{\@tempcntb}%
16111 \setcounter{mpfootnote}{\@tempcnta}%
16112 \else
16113 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16114 \fi
16115 \begingroup%
16116 \setlength{\@tempdima}{\cap@width}%
16117 \ifdim \wd\@tempboxa >\@tempdima

```



```

16118 \hb@xt@\hsize{%
16119 \setbox\@tempboxa\vbox{\hsize=\cap@width
16120 \ifdofullc@p
16121 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16122 #1{\caplabelfont{#2\captionformat}}}}}%
16123 {#3\unskip\strut\par}}}%
16124 \else%
16125 \ifdim\cap@indent<\z@
16126 {\capfont{\strut\ignorespaces
16127 #1{\caplabelfont{#2\captionformat\par}}}%
16128 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16129 \else%
16130 \if@capbreak
16131 {\capfont{\strut\ignorespaces
16132 #1{\caplabelfont{#2\captionformat\par}}}%
16133 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16134 \else
16135 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16136 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16137 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16138 \fi
16139 \fi
16140 \fi
16141 }%
16142 \setlength{\@tempdima}{\ht\@tempboxa}%
16143 \addtolength{\@tempdima}{\dp\@tempboxa}%
16144 \addtolength{\@tempdima}{-\ht\strutbox}%
16145 \ht\@tempboxa\ht\strutbox
16146 \dp\@tempboxa\@tempdima
16147 \strut\cap@left
16148 \box\@tempboxa
16149 \cap@right\strut
16150 }%
16151 \else
16152 \global \@minipagefalse
16153 \sbox\@tempboxa{%
16154 {\capfont{\scr@smashdp{\strut\ignorespaces
16155 #1{\caplabelfont{#2\captionformat}}}}%
16156 #3}}%
16157 }%
16158 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16159 \fi
16160 \endgroup
16161 }
16162 \renewcommand{\@makecaption}[2]{%
16163 \if@captionabove
16164 \vskip\belowcaptionskip
16165 \else
16166 \vskip\abovecaptionskip
16167 \fi

```



```

16168 \@makecaption\@firstofone{#1}{#2}%
16169 \ifcaptionabove
16170   \vskip\abovecaptionskip
16171 \else
16172   \vskip\belowcaptionskip
16173 \fi
16174 }
16175 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16176   \@ifpackageloaded{caption2}{\@komalongtablefalse
16177     \scr@caption@before@longtable@warning{caption2}%
16178   }{}%
16179   \if@komalongtable
16180     \renewcommand{\LT@makecaption}[3]{%
16181       \noalign{%
16182         \ifcaptionabove
16183           \vskip\belowcaptionskip
16184         \else
16185           \vskip\abovecaptionskip
16186         \fi
16187       }%
16188       \LT@mcol\LT@cols c{%
16189         \hbox to\z@{\hss\parbox[t]\linewidth{%
16190           \@makecaption{#1}{#2}{#3}%
16191         \endgraf
16192         \ifcaptionabove
16193           \vskip\abovecaptionskip
16194         \else
16195           \vskip\belowcaptionskip
16196         \fi
16197       }%
16198       \hss
16199     }%
16200   }%
16201 }%
16202 \renewcommand*{\scr@LT@array}{}%
16203 \let\scr@LT@array=\LT@array
16204 \renewcommand*{\LT@array}{%
16205   \let\scr@caption=\LT@caption
16206   \def\captionabove{\noalign{\global\@captionabovetrue}%
16207     \scr@caption}%
16208   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16209     \scr@caption}%
16210   \if@tablecaptionabove
16211     \let\LT@caption=\captionabove
16212   \else
16213     \let\LT@caption=\captionbelow
16214   \fi
16215   \scr@LT@array
16216 }%
16217 \ClassInfo{\KOMAClassName}{%

```



```

16218     longtable captions redefined%
16219     }%
16220 \fi
16221 }

```

7.103 scrlettr-xetex-bidi.def

```

16222 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
16223 \renewcommand\deffootnote[4] []{%
16224   \long\def\@makefnmark##1{%
16225     \edef\@tempa{#1}\ifx\@tempa\@empty
16226       \@setpar{\@par
16227         \@tempdima = \hsize
16228         \addtolength{\@tempdima}{-#2}
16229         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16230     \else
16231       \@setpar{\@par
16232         \@tempdima = \hsize
16233         \addtolength{\@tempdima}{-#1}
16234         \@tempdimb = \hsize
16235         \addtolength{\@tempdimb}{-#2}
16236         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16237     \fi
16238     \par
16239     \parindent #3\noindent
16240     \hbox to \z@{\hss\@makefnmark}##1}
16241 \def\@makefnmark{\hbox{#4}}
16242 }
16243 \deffootnote[1em]{1.5em}{1em}
16244   {\textsuperscript{\thefootnotemark}}
16245 \def\left@footnoterule{\kern-1\p@
16246 \hrule width 0.4\columnwidth
16247 \kern .6\p@}
16248 \def\right@footnoterule{%
16249 \kern-1\p@
16250 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16251 \kern .6\p@}
16252 \def\@datefield{\@reffalse
16253 \ifx\varyourref\@empty \else \@reftrue \fi
16254 \ifx\varyourmail\@empty \else \@reftrue \fi
16255 \ifx\varmyref\@empty \else \@reftrue \fi
16256 \ifx\varcustomer\@empty \else \@reftrue \fi
16257 \ifx\varinvoice\@empty \else \@reftrue \fi
16258 \ifx\varrefitemi\@empty \else \@reftrue \fi
16259 \ifx\varrefitemii\@empty \else \@reftrue \fi
16260 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16261 \vskip -\parskip
16262 \vskip \refvskip
16263 \if@ref
16264 \ifx\varyourref\@empty \else

```



```

16265 \settowidth{\sc@temp}{\vourref}
16266 \setbox0\hbox{\scriptsize \sf \yourrefname}
16267 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16268 \parbox[t]{\sc@@temp}{\noindent \box0\par \vourref}\hfill
16269 \fi
16270 \ifx\vourmail\@empty \else
16271 \settowidth{\sc@temp}{\vourmail}
16272 \setbox0\hbox{\scriptsize \sf \yourmailname}
16273 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16274 \parbox[t]{\sc@@temp}{\noindent \box0\par \vourmail}\hfill
16275 \fi
16276 \ifx\varmyref\@empty \else
16277 \settowidth{\sc@temp}{\varmyref}
16278 \setbox0\hbox{\scriptsize \sf \myrefname}
16279 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16280 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16281 \fi
16282 \ifx\varcustomer\@empty \else
16283 \settowidth{\sc@temp}{\varcustomer}
16284 \setbox0\hbox{\scriptsize \sf \customername}
16285 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16286 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16287 \fi
16288 \ifx\varinvoice\@empty \else
16289 \settowidth{\sc@temp}{\varinvoice}
16290 \setbox0\hbox{\scriptsize \sf \invoicename}
16291 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16292 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16293 \fi
16294 \ifx\varrefitemi\@empty \else
16295 \settowidth{\sc@temp}{\varrefitemi}
16296 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16297 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16298 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16299 \fi
16300 \ifx\varrefitemii\@empty \else
16301 \settowidth{\sc@temp}{\varrefitemii}
16302 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16303 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16304 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16305 \fi
16306 \ifx\varrefitemiii\@empty \else
16307 \settowidth{\sc@temp}{\varrefitemiii}
16308 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16309 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16310 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16311 \fi
16312 \ifx\@date\@empty \else
16313 \settowidth{\sc@temp}{\@date}
16314 \setbox0\hbox{\scriptsize \sf \datename}

```




```

16315 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16316 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
16317 \fi
16318 \par
16319 \vspace{2.5\baselineskip}
16320 \else
16321 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16322 \vspace{1.5\baselineskip}
16323 \fi}
16324 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16325 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16326 -\sigindent \hspace{\sigindent}%
16327 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16328 \fromsig\strut}\par
16329 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16330 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
16331 \newcommand{\scr@saved@LTRfootnotetext}{}
16332 \newcommand{\scr@saved@RTLfootnotetext}{}
16333 \let\scr@saved@footnotetext\@footnotetext
16334 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16335 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16336 \renewcommand{\@footnotetext}[1]{%
16337 \scr@saved@footnotetext{#1}%
16338 \csname FN@mf@prepare\endcsname
16339 }
16340 \renewcommand{\@LTRfootnotetext}[1]{%
16341 \scr@saved@LTRfootnotetext{#1}%
16342 \csname FN@mf@prepare\endcsname
16343 }
16344 \renewcommand{\@RTLfootnotetext}[1]{%
16345 \scr@saved@RTLfootnotetext{#1}%
16346 \csname FN@mf@prepare\endcsname
16347 }
16348 \renewcommand\deffootnote[4][1]{%
16349 \long\def\@makefntext##1{%
16350 \setlength{\@tempdimc}{#3}%
16351 \def\@tempa{#1}\ifx\@tempa\@empty
16352 \setpar{\@par
16353 \@tempdima = \hspace
16354 \addtolength{\@tempdima}{-#2}%
16355 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16356 \else
16357 \addtolength{\@tempdimc}{#2}%
16358 \addtolength{\@tempdimc}{-#1}%
16359 \setpar{\@par
16360 \@tempdima = \hspace
16361 \addtolength{\@tempdima}{-#1}%

```



```

16362     \@tempdimb = \hspace
16363     \addtolength{\@tempdimb}{-#2}%
16364     \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16365     }%
16366     \fi
16367     \par
16368     \parindent\@tempdimc\noindent
16369     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16370     }%
16371     \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16372 }
16373 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16374 \renewcommand*\left@footnoterule{%
16375     \normalsize\ftn@rule@test@values
16376     \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
16377     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16378     {\usekomafont{footnoterule}{%
16379         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16380     \kern 2.6\p@}
16381 \renewcommand*\right@footnoterule{%
16382     \normalsize\ftn@rule@test@values
16383     \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
16384     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16385     {\usekomafont{footnoterule}{%
16386         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16387         \kern 2.6\p@}
16388 \renewcommand*\maketitle[1][1]{%
16389     \if@titlepage
16390     \begin{titlepage}
16391     \setcounter{page}{%
16392     #1%
16393     }%
16394     \let\footnotesize\small
16395     \let\right@footnoterule\relax
16396     \let\left@footnoterule\relax
16397     \let\textwidth@footnoterule\relax
16398     \let\footnote\thanks
16399     \let\LTRfootnote\LTRthanks
16400     \let\RTLfootnote\RTLthanks
16401     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16402     \let\@oldmakefnmark\@makefnmark
16403     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16404     \ifx\@extratitle\@empty \else
16405     \noindent\@extratitle\next@tpage\cleardoubleemptypage
16406     \thispagestyle{empty}%
16407     \fi
16408     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16409     \ifx\@titlehead\@empty \else
16410     \begin{minipage}[t]{\textwidth}%
16411     \@titlehead

```



```

16412     \end{minipage}\par
16413     \fi
16414     \null\vfill
16415     \begin{center}
16416         \ifx\@subject\@empty \else
16417             {\subject@font \@subject \par}%
16418             \vskip 3em
16419         \fi
16420         {\titlefont\huge \@title\par}%
16421         \vskip 1em
16422     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16423     \vskip 2em
16424     {\Large \lineskip 0.75em
16425         \begin{tabular}[t]{c}
16426             \@author
16427         \end{tabular}\par
16428     }%
16429     \vskip 1.5em
16430     {\Large \@date \par}%
16431     \vskip \z@ \@plus3fill
16432     {\Large \@publishers \par}%
16433     \vskip 3em
16434     \end{center}\par
16435     \@thanks
16436     \vfill\null
16437     \if@twoside\next@tpage
16438         \begin{minipage}[t]{\textwidth}
16439             \@uppertitleback
16440         \end{minipage}\par
16441         \vfill
16442         \begin{minipage}[b]{\textwidth}
16443             \@lowertitleback
16444         \end{minipage}
16445     \fi
16446     \ifx\@dedication\@empty \else
16447         \next@tpage\null\vfill
16448         {\centering \Large \@dedication \par}%
16449         \vskip \z@ \@plus3fill
16450         \if@twoside \next@tpage\cleardoubleemptypage \fi
16451     \fi
16452     \end{titlepage}
16453 \else
16454     \par
16455     \@tempcnta=%
16456     #1%
16457     \relax\ifnum\@tempcnta=1\else
16458         \ClassWarning{KOMAClassName}{%
16459             Optional argument of \string\maketitle\space ignored
16460             at\MessageBreak
16461             notitlepage-mode%

```



```

16462     }%
16463     \fi
16464     \begingroup
16465         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16466         \let\@oldmakefnmark\@makefnmark
16467         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16468         \if@twocolumn
16469             \ifnum \col@number=\@one
16470                 \@maketitle
16471             \else
16472                 \twocolumn[\@maketitle]%
16473             \fi
16474         \else
16475             \newpage
16476             \global\@topnum\z@
16477             \@maketitle
16478         \fi
16479         \thispagestyle{\titlepagestyle}\@thanks
16480     \endgroup
16481 \fi
16482 \setcounter{footnote}{0}%
16483 \let\thanks\relax
16484 \let\LTRthanks\relax
16485 \let\RTLthanks\relax
16486 \let\maketitle\relax
16487 \let\@maketitle\relax
16488 \global\let\@thanks\@empty
16489 \global\let\@author\@empty
16490 \global\let\@date\@empty
16491 \global\let\@title\@empty
16492 \global\let\@subtitle\@empty
16493 \global\let\@extratitle\@empty
16494 \global\let\@titlehead\@empty
16495 \global\let\@subject\@empty
16496 \global\let\@publishers\@empty
16497 \global\let\@uppertitleback\@empty
16498 \global\let\@lowertitleback\@empty
16499 \global\let\@dedication\@empty
16500 \global\let\author\relax
16501 \global\let\title\relax
16502 \global\let\extratitle\relax
16503 \global\let\titlehead\relax
16504 \global\let\subject\relax
16505 \global\let\publishers\relax
16506 \global\let\uppertitleback\relax
16507 \global\let\lowertitleback\relax
16508 \global\let\dedication\relax
16509 \global\let\date\relax
16510 \global\let\and\relax
16511 }%

```



```

16512 \renewcommand*{\@maketitle}{%
16513   \clearpage
16514   \let\footnote\thanks
16515   \let\LTRfootnote\LTRthanks
16516   \let\RTLfootnote\RTLthanks
16517   \ifx\@extratitle\@empty \else
16518     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16519   \fi
16520   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16521   \ifx\@titlehead\@empty \else
16522     \begin{minipage}[t]{\textwidth}
16523       \@titlehead
16524     \end{minipage}\par
16525   \fi
16526   \null
16527   \vskip 2em%
16528   \begin{center}%
16529     \ifx\@subject\@empty \else
16530       {\subject@font \@subject \par}
16531       \vskip 1.5em
16532     \fi
16533     {\titlefont\huge \@title \par}%
16534     \vskip .5em
16535     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16536     \vskip 1em
16537     {\Large
16538       \lineskip .5em%
16539       \begin{tabular}[t]{c}
16540         \@author
16541       \end{tabular}\par
16542     }%
16543     \vskip 1em%
16544     {\Large \@date \par}%
16545     \vskip \z@ \@plus 1em
16546     {\Large \@publishers \par}
16547     \ifx\@dedication\@empty \else
16548       \vskip 2em
16549       {\Large \@dedication \par}
16550     \fi
16551   \end{center}%
16552   \par
16553   \vskip 2em
16554 }%
16555 \renewcommand*{\l@part[2]}{%
16556   \ifnum \c@tocdepth >-2\relax
16557     \addpenalty{-\@highpenalty}%
16558     \addvspace{2.25em \@plus\p@}%
16559     \setlength{\@tempdima}{2em}%
16560     \if@tocleft
16561       \ifx\toc@l@number\@empty\else

```



```

16562         \setlength\@tempdima{0\toc@l@number}%
16563         \fi
16564     \fi
16565     \begingroup
16566         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16567         \parfillskip -\@pnumwidth
16568         \leavevmode
16569         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16570         \hskip -\if@RTL\rightskip\else\leftskip\fi
16571         {\usekomafont{partentry}{#1\nobreak
16572         \usekomafont{partentrypagenumber}{\hfil\nobreak
16573         \hb@xt@\@pnumwidth{\hss#2}}}\par
16574         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16575         \endgroup
16576         \penalty20010
16577         \else
16578             \penalty\@highpenalty
16579         \endgroup
16580     \fi
16581 \fi
16582 }
16583 \renewcommand*\l@chapter[2]{%
16584     \ifnum \c@tocdepth >\m@ne
16585         \ifnum \lastpenalty<20010
16586             \addpenalty{-\@highpenalty}%
16587         \fi
16588         \vskip 1.0em \@plus\p@
16589         \setlength\@tempdima{1.5em}%
16590         \if@tocleft
16591             \ifx\toc@l@number\@empty\else
16592                 \setlength\@tempdima{0\toc@l@number}%
16593             \fi
16594         \fi
16595         \begingroup
16596             \raggedchapterentry
16597         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16598         \parfillskip -\@pnumwidth
16599         \interlinepenalty\@M
16600         \leavevmode
16601         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16602         {\usekomafont{chapterentry}{#1\nobreak
16603         \usekomafont{chapterentrypagenumber}{%
16604         \hfill\nobreak
16605         \hb@xt@\@pnumwidth{\hss#2}}}\par
16606         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16607         \endgroup
16608         \penalty20009
16609         \else
16610             \penalty\@highpenalty
16611         \endgroup

```



```

16612   \fi
16613   \fi
16614 }
16615 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
16616 \renewcommand*\autodot{\if@altsecnumformat@SepMark\fi}
16617 \renewcommand*\thesection{%
16618   \thechapter@SepMark%
16619   \@arabic@c@section
16620 }
16621 \renewcommand*{\thesubsection}{\thesection@SepMark@arabic@c@subsection}
16622 \renewcommand*{\thesubsubsection}{%
16623   \thesubsection@SepMark@arabic@c@subsubsection
16624 }
16625 \renewcommand*{\theparagraph}{\thesubsubsection@SepMark@arabic@c@paragraph}
16626 \renewcommand*{\thesubparagraph}{%
16627   \theparagraph@SepMark@arabic@c@subparagraph
16628 }
16629 \renewcommand*\thefigure{%
16630   \thechapter@SepMark%
16631   \@arabic@c@figure
16632 }
16633 \renewcommand*\thetable{%
16634   \thechapter@SepMark%
16635   \@arabic@c@table
16636 }
16637 \renewcommand*\theequation{%
16638   \thechapter@SepMark%
16639   \@arabic@c@equation
16640 }
16641 \renewenvironment{thebibliography}[1]{%
16642   \if@bib@break@
16643     \bib@beginhook
16644   \else
16645     \ifx\bibpreamble\relax\else\ifx\bibpreamble@empty\else
16646       \setchapterpreamble{\bibpreamble}%
16647     \fi\fi
16648     \bib@heading
16649     \bib@beginhook
16650     \bib@before@hook
16651   \fi
16652   \renewcommand{\BreakBibliography}[1]{%
16653     \@bib@break
16654     \end{thebibliography}%
16655     \begingroup ##1\endgroup
16656     \begin{thebibliography}{#1}
16657   }%
16658   \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
16659   \list{%
16660     \@biblabel{\@arabic@c@enumiv}%
16661   }{%

```



```

16662 \settowidth\labelwidth{\@biblabel{#1}}%
16663 \leftmargin\labelwidth
16664 \advance\leftmargin\labelsep
16665 \@openbib@code
16666 \if@bib@break@
16667 \edef\@tempa{%
16668 \noexpand\usecounter{enumiv}}%
16669 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16670 }\@tempa
16671 \no@bib@break
16672 \else
16673 \usecounter{enumiv}%
16674 \fi
16675 \let\p@enumiv\@empty
16676 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16677 }%
16678 \sloppy\clubpenalty4000 \widowpenalty4000
16679 \sfcode`\.=\@m
16680 }{%
16681 \if@bib@break@
16682 \def\@noitemerr{%
16683 \@latex@warning{%
16684 \string\BreakBibliography\space at begin of `thebibliography'
16685 environment\MessageBreak
16686 or following \string\BreakBibliography}}%
16687 }%
16688 \else
16689 \def\@noitemerr{%
16690 \@latex@warning{%
16691 Empty `thebibliography' environment or
16692 \string\BreakBibliography\MessageBreak
16693 before end of `thebibliography' environment}}%
16694 }%
16695 \fi
16696 \endlist
16697 \if@bib@break@
16698 \else
16699 \bib@after@hook
16700 \let\bib@before@hook\@empty
16701 \let\bib@after@hook\@empty
16702 \fi
16703 \bib@endhook
16704 }
16705 \renewcommand*\left@footnoterule{%
16706 \kern-3\p@
16707 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16708 \hrule\@width.4\columnwidth
16709 \kern 2.6\p@}
16710 \renewcommand*\right@footnoterule{%
16711 \kern-3\p@

```




```

16712 \ifx\textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16713 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16714 \kern2.6\p@}
16715 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16716 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16717 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16718 \renewcommand\marginline[1]{%
16719 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16720 }
16721 \renewcommand{\@@makecaption}[3]{%
16722 \cap@margin
16723 \ifonelinecaptions
16724 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16725 \let\scr@tmp@footnotetext=\@footnotetext
16726 \let\@footnotetext=\@gobble
16727 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16728 \let\@LTRfootnotetext=\@gobble
16729 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16730 \let\@RTLfootnotetext=\@gobble
16731 \sbox\@tempboxa{%
16732 \capfont{\strut\ignorespaces
16733 #1{\caplabelfont{#2\captionformat}}}%
16734 #3\unskip\strut}}%
16735 }%
16736 \let\@footnotetext=\scr@tmp@footnotetext
16737 \let\scr@tmp@footnotetext=\undefined
16738 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16739 \let\scr@tmp@LTRfootnotetext=\undefined
16740 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16741 \let\scr@tmp@RTLfootnotetext=\undefined
16742 \setcounter{footnote}{\@tempcntb}%
16743 \setcounter{mpfootnote}{\@tempcnta}%
16744 \else
16745 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16746 \fi
16747 \begingroup%
16748 \setlength{\@tempdima}{\cap@width}%
16749 \ifdim \wd\@tempboxa >\@tempdima
16750 \hb@xt@\hsize{%
16751 \setbox\@tempboxa\vbox{\hsize=\cap@width
16752 \ifdofullc@p
16753 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16754 #1{\caplabelfont{#2\captionformat}}}}}%
16755 {#3\unskip\strut\par}}}%
16756 \else%
16757 \ifdim\cap@indent<\z@
16758 {\capfont{\strut\ignorespaces
16759 #1{\caplabelfont{#2\captionformat\par}}}%
16760 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16761 \else%

```



```

16762         \if@capbreak
16763             {\capfont{\strut\ignorespaces
16764                 #1{\caplabelfont{#2\captionformat\par}}}%
16765                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16766         \else
16767             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16768                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16769                 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
16770             \fi
16771         \fi
16772     \fi
16773     }%
16774     \setlength{\@tempdima}{\ht\@tempboxa}%
16775     \addtolength{\@tempdima}{\dp\@tempboxa}%
16776     \addtolength{\@tempdima}{-\ht\strutbox}%
16777     \ht\@tempboxa\ht\strutbox
16778     \dp\@tempboxa\@tempdima
16779     \strut\cap@left
16780     \box\@tempboxa
16781     \cap@right\strut
16782     }%
16783 \else
16784     \global \@minipagefalse
16785     \sbox\@tempboxa{%
16786         {\capfont{\scr@smashdp{\strut\ignorespaces
16787             #1{\caplabelfont{#2\captionformat}}}}%
16788             #3}}%
16789     }%
16790     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16791     \fi
16792 \endgroup
16793 }
16794 \renewcommand{\@makecaption}[2]{%
16795 \if@captionabove
16796     \vskip\belowcaptionskip
16797 \else
16798     \vskip\abovecaptionskip
16799 \fi
16800 \@makecaption\@firstofone{#1}{#2}%
16801 \if@captionabove
16802     \vskip\abovecaptionskip
16803 \else
16804     \vskip\belowcaptionskip
16805 \fi
16806 }
16807 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16808 \@ifpackageloaded{caption2}{\@komalongtablefalse
16809 \scr@caption@before@longtable@warning{caption2}}%
16810 }{}%
16811 \if@komalongtable

```



```

16812 \renewcommand{\LT@makecaption}[3]{%
16813   \noalign{%
16814     \if@captionabove
16815       \vskip\belowcaptionskip
16816     \else
16817       \vskip\abovecaptionskip
16818     \fi
16819   }%
16820   \LT@mc\LT@cols c{%
16821     \hbox to\z@{\hss\parbox[t]{\linewidth{%
16822       \@makecaption{#1}{#2}{#3}%
16823       \endgraf
16824       \if@captionabove
16825         \vskip\abovecaptionskip
16826       \else
16827         \vskip\belowcaptionskip
16828       \fi
16829     }}%
16830     \hss
16831   }%
16832 }%
16833 }%
16834 \renewcommand*\scr@LT@array}{}%
16835 \let\scr@LT@array=\LT@array
16836 \renewcommand*\LT@array{%
16837   \let\scr@caption=\LT@caption
16838   \def\captionabove{\noalign{\global\@captionabovetrue}%
16839     \scr@caption}%
16840   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16841     \scr@caption}%
16842   \if@tablecaptionabove
16843     \let\LT@caption=\captionabove
16844   \else
16845     \let\LT@caption=\captionbelow
16846   \fi
16847   \scr@LT@array
16848 }%
16849 \ClassInfo{KOMAClassName}{%
16850   longtable captions redefined%
16851 }%
16852 \fi
16853 }

```

7.105 sidecap-xetex-bidi.def

```

16854 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for X
16855 \renewcommand*\SC@FLOAT}[2]{\if@RTL%
16856   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}}{\#2}\hspace{\sidecaptionsep}{#1}}\else%
16857 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}}{\#1}\hspace{\sidecaptionsep}{#2}}\fi}
16858 \renewcommand*\SC@justify@caption{\if@RTL%

```



```

16859 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
16860   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

16861 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX et
16862 \long\def\SOUL@start#1{%
16863   \let\ bidi@RTL@everypar\@empty
16864   \let\<\SOUL@lowerthan
16865   \let\>\empty
16866   \def\soulomit{\noexpand\soulomit}%
16867   \gdef\SOUL@eventuallyexhyphen##1{%
16868     \let\SOUL@soeventuallyskip\relax
16869     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
16870       \@minus\fontdimen4\font
16871     \SOUL@ignorespacesfalse
16872     \leavevmode
16873     \SOUL@preamble
16874     \SOUL@lasttoken={}%
16875     \SOUL@word={}%
16876     \SOUL@minus\z@
16877     \SOUL@comma\z@
16878     \SOUL@apo\z@
16879     \SOUL@grave\z@
16880     \SOUL@do{#1}%
16881     \SOUL@postamble
16882 }}
16883 \def\SOUL@ulunderline#1{%
16884   \setbox\z@\hbox{#1}%
16885   \dimen@=\wd\z@
16886   \dimen@i=\SOUL@uloverlap
16887   \advance\dimen@2\dimen@i
16888   \if@RTL
16889     \unhcopy\z@
16890     \llap{%
16891       \null
16892       \kern-\dimen@i
16893       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16894     }%
16895   \else
16896     \rlap{%
16897       \null
16898       \kern-\dimen@i
16899       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16900     }%
16901     \unhcopy\z@
16902     \fi
16903 }}
16904 \def\ bidi@SOUL@ulleaders{%
16905   \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela

```



```

16906 }
16907 \def\SOUL@uleveryspace#1{%
16908     \if@RTL
16909     #1%
16910     \bidi@SOUL@ulleaders
16911     \hskip\spaceskip
16912     \else
16913     \SOUL@ulcolor{%
16914     #1%
16915     \SOUL@ulleaders
16916     \hskip\spaceskip
16917     }%
16918     \fi
16919     \null
16920 }

```

7.107 stabular-xetex-bidi.def

```

16921 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
16922 \def\@stabular{\if@RTL\@RTLtabtrue\fi
16923     \leavevmode \bgroup \if@RTLtab\beginR \fi
16924     \let\@acol\@tabacol
16925     \let\@classz\@tabclassz
16926     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
16927 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
16928     \egroup \if@RTLtab\endR\fi\egroup
16929     \@RTLtabfalse}
16930 \expandafter \let \csname endstabular*\endcsname = \endstabular
16931 \def\@sarray[#1]#2{%
16932     \bgroup
16933     \setbox\@arstrutbox\hbox{%
16934         \vrule \@height\arraystretch\ht\strutbox
16935         \@depth\arraystretch \dp\strutbox
16936         \@width\z@}%
16937     \@mkpream{#2}%
16938     \edef\@preamble{%
16939         \ialign \noexpand\@halignto
16940         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16941     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16942     \let\@tabularnewline\%
16943     \let\@sharp##%
16944     \set@typeset@protect
16945     \lineskip\z@skip\baselineskip\z@skip
16946     \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
16947     \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

16948 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
16949 \AtBeginDocument{%
16950 \let\p@subfigure=\thefigure

```



```

16951 \let\p@subtable=\thetable%
16952 }

```

7.109 tabs-xetex-bidi.def

```

16953 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX
16954 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
16955         \@RTLtabfalse}
16956
16957 \expandafter\let\csname endtabular*\endcsname=\endtabular
16958
16959 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
16960     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]\%
16961     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
16962
16963 \def\@array[#1]#2{% remember global variables to allow recursion:
16964     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
16965         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
16966     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
16967     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
16968     \else \let\@tarlinesep\tablinesep \fi
16969     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
16970     \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
16971     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
16972     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
16973         \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
16974         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
16975     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
16976         \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
16977     \let\protect\noexpand
16978     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
16979     \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
16980     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16981     \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
16982     \bgroup \let\par\@empty
16983     \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
16984     \advance\extrarulesep.5\arrayrulewidth
16985     \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
16986     \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
16987     \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

16988 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
16989 \def\TX@endtabularx{%
16990     \expandafter\expandafter\expandafter
16991         \TX@find@endtabularxa\csname end\TX@\endcsname
16992         \endtabularx\TX\endtabularx\TX@find@endtabularxa
16993     \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
16994     \let\verb\TX@verb
16995     \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%

```



```

16996 \edef\TX@ckpt{\cl@ckpt}%
16997 \let\@elt\relax
16998 \TX@old@table\maxdimen
16999 \TX@col@width\TX@target
17000 \global\TX@cols\@ne
17001 \TX@typeout@
17002 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17003 \TX@trial{\def\NC@rewrite@X{%
17004     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17005 \loop
17006     \TX@arith
17007     \ifTX@
17008     \TX@trial{ }%
17009 \repeat
17010 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17011 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17012 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17013 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17014     \the\toks@
17015     \csname endtabular*\endcsname}%
17016 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17017 \ifnum0=^{\fi}%
17018 \expandafter\expandafter\expandafter
17019 \TX@find@endtabularxbb
17020 \expandafter\end\expandafter{\TX@}%
17021 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17022 }
17023
17024 \def\TX@trial#1{%
17025     \setbox\@tempboxa\hbox{%
17026         #1\relax
17027     \let\@footnotetext\TX@trial@ftn
17028     \let\@LTRfootnotetext\TX@trial@ftn
17029     \let\@RTLfootnotetext\TX@trial@ftn
17030     \let\TX@vwarn\@empty
17031     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17032     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17033     \def\write{\begingroup
17034         \def\let{\afterassignment\endgroup\toks@}%
17035         \afterassignment\let\count@}%
17036     \hbadness\@M
17037     \hfuzz\maxdimen
17038     \let\hbadness\@tempcnta
17039     \let\hfuzz\@tempdima
17040     \expandafter\tabular\the\toks@
17041     \endtabular}%
17042 \TX@ckpt
17043 \TX@typeout@{\@spaces
17044     \expandafter\TX@align
17045     \the\wd\@tempboxa\space\space\space\space\space\@}

```



```

17046     \expandafter\TX@align
17047     \the\TX@col@width\space\space\space\space\space\@@
17048     \@spaces\the\TX@cols}}
17049
17050 \long\def\TX@LTRftntext#1{%
17051   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17052     [\the\csname c@\mpfn\endcsname]]}%
17053   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17054 \long\def\TX@xLTRftntext[#1]#2{%
17055   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17056
17057 \long\def\TX@RTLftntext#1{%
17058   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17059     [\the\csname c@\mpfn\endcsname]]}%
17060   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17061 \long\def\TX@xRTLftntext[#1]#2{%
17062   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

17063 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17064 \def\@testpach{\@chclass
17065   \ifnum \@lastchclass=6 \one \@chnum \one \else
17066   \ifnum \@lastchclass=7 5 \else
17067   \ifnum \@lastchclass=8 \tw@ \else
17068   \ifnum \@lastchclass=9 \thr@@
17069   \else \z@
17070   \ifnum \@lastchclass = 10 \else
17071   \edef\@nextchar{\expandafter\string\@nextchar}%
17072   \@chnum
17073   \if \@nextchar c\z@ \else
17074   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17075   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
17076   \if \@nextchar C7 \else
17077   \if \@nextchar L8 \else
17078   \if \@nextchar R9 \else
17079   \if \@nextchar J10 \else
17080   \z@ \@chclass
17081   \if\@nextchar |\@ne \else
17082   \if \@nextchar !6 \else
17083   \if \@nextchar @7 \else
17084   \if \@nextchar <8 \else
17085   \if \@nextchar >9 \else
17086   10
17087   \@chnum
17088   \if \@nextchar m\thr@@\else
17089   \if \@nextchar p4 \else
17090   \if \@nextchar b5 \else
17091   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17092   \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```



7.112 tc-xetex-bidi.def

```
17093 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17094 \def\@cliptoboxdim#1{%
17095     \setbox#1=\hbox{%
17096         \Gin@defaultbp\WIDTH{\wd#1}%
17097         \Gin@defaultbp\DEPTH{\dp#1}%
17098         \@tempdima\ht#1%
17099         \advance\@tempdima\dp#1%
17100         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17101         \beginL\special{pdf:bcontent }%
17102         \special{%
17103             pdf:literal direct
17104             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17105         }%
17106         \special{pdf:literal direct W }%
17107         \special{pdf:literal direct n }%
17108         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17109         \special{pdf:econtent }\endL%
17110     }%
17111 }
```

7.113 titlesec-xetex-bidi.def

```
17112 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17113 \renewcommand\filright{%
17114     \gdef\ttl@filleft##1{\hskip##1}%
17115     \gdef\ttl@filright##1{\hfill}%
17116     \let\\\@centercr
17117     \advance\rightskip\z@ \@plus 1fil
17118     \parfillskip\z@}
17119 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17120     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17121     \setlength\leftskip{#6}%
17122     \setlength\rightskip{#7}%
17123     \interlinepenalty\@M
17124     \ttl@changecentercr
17125     \ttl@beginlongest
17126     #1{\ifhmode\ttl@hmode@error\fi
17127         \ttl@glcmds
17128         \parindent\z@
17129         \leavevmode
17130         \begingroup
17131         \ifttl@label
17132             \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17133             \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17134             \llap{\box\z@}%
17135         \fi
17136         #4{#8}%
17137         \kern\z@\strut\@par
17138     \endgroup}
```



```

17139     \nobreak\ttl@midlongest#5\@par}%
17140 \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

17141 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17142 \renewcommand\filright{%
17143   \gdef\ttl@filleft##1{\hskip##1}%
17144   \gdef\ttl@filright##1{\hfill}%
17145   \let\\\@centercr
17146   \advance\rightskip\z@ \@plus 1fil
17147   \parfillskip\z@}
17148 \renewcommand\contentspush[1]{%
17149   \sbox\z@{#1}%
17150   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17151   \aftergroup\ttl@b
17152   \leavevmode\llap{\box\z@}}
17153 \def\ttl@outnblock#1#2#3{%
17154   \begingroup
17155   \ifnum\ttl@b>\ttl@a
17156     \nobreak
17157   \else\ifnum\ttl@b<\ttl@a
17158     \addpenalty{\@secpenalty}%
17159   \else
17160     \addpenalty{\z@}%
17161   \fi\fi
17162   \ttl@contentsstretch
17163   \nobreak
17164   \ifcase#1\relax\else\interlinepenalty\@M\fi
17165   \parindent\z@
17166   \ifx\@nil#2%
17167     \PackageError{titletoc}{Unimplemented}%
17168     {The optional argument is currently mandatory}%
17169   \else
17170     \if@RTL\setlength\rightskip{#2}\else
17171     \setlength\leftskip{#2}\fi%
17172   \fi
17173   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17174   \let\contentsmargin\ttl@margin
17175   \def\ttl@makeline##1{##1}%
17176   #3%
17177   \addtolength{\parfillskip}{-\ttl@corr}%
17178   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17179   \let\ttl@leaders\leaders}
17180 \renewcommand\ttl@margin[2][\z@]{%
17181   \def\ttl@corr{#1}%
17182   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17183   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17184   \def\@pnumwidth{#2}}
17185 \let\ttl@savel@part\l@part

```



```

17186 \def\l@part{\ttl@lselect{part}}
17187
17188 \let\ttl@savel@chapter\l@chapter
17189 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocbibind-xetex-bidi.def

```

17190 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
17191 \if@dotocbib
17192   \ifpackageloaded{natbib}{}{% natbib not loaded
17193     \renewcommand{\bibsection}{\t@cb@bchapsec}
17194     \renewenvironment{thebibliography}[1]{%
17195       \bibsection
17196       \begin{thebibitemlist}{#1}{\end{thebibitemlist}}}
17197   \renewenvironment{thebibitemlist}[1]{
17198     \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
17199     \list{\@biblabel{\@arabic{c@enumiv}}}%
17200       {\settowidth\labelwidth{\@biblabel{#1}}%
17201         \leftmargin\labelwidth
17202         \advance\leftmargin\labelsep
17203         \@openbib@code
17204         \usecounter{enumiv}%
17205         \let\p@enumiv\@empty
17206         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17207     \sloppy
17208     \clubpenalty4000
17209     \@clubpenalty \clubpenalty
17210     \widowpenalty4000%
17211     \sfcode`. \@m}
17212   {\def\@noitemerr
17213     {\@latex@warning{Empty `thebibliography' environment}}}%
17214     \endlist}
17215
17216   \ifpackagewith{chapterbib}{sectionbib}%
17217     {\renewcommand{\sectionbib}[2]{}}%
17218     {}
17219
17220 \fi
17221 \if@inltxdoc\else
17222   \renewenvironment{theindex}%
17223     {\if@twocolumn
17224       \@restonecolfalse
17225     \else
17226       \@restonecoltrue
17227     \fi
17228     \if@bibchapter
17229       \if@donumindex
17230         \refstepcounter{chapter}
17231         \twocolumn[\vspace*{2\topskip}%
17232           \@makechapterhead{\indexname}}%

```



```

17233 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17234 \chaptermark{\indexname}
17235 \else
17236 \if@dotocind
17237 \twocolumn[\vspace*{2\topskip}%
17238 \@makeschapterhead{\indexname}]%
17239 \prw@mkboth{\indexname}
17240 \addcontentsline{toc}{chapter}{\indexname}
17241 \else
17242 \twocolumn[\vspace*{2\topskip}%
17243 \@makeschapterhead{\indexname}]%
17244 \prw@mkboth{\indexname}
17245 \fi
17246 \fi
17247 \else
17248 \if@donumindex
17249 \twocolumn[\vspace*{-1.5\topskip}%
17250 \@nameuse{\@tocextra}{\indexname}]%
17251 \csname \@tocextra mark\endcsname{\indexname}
17252 \else
17253 \if@dotocind
17254 \twocolumn[\vspace*{-1.5\topskip}%
17255 \toc@headstar{\@tocextra}{\indexname}]%
17256 \prw@mkboth{\indexname}
17257 \addcontentsline{toc}{\@tocextra}{\indexname}
17258 \else
17259 \twocolumn[\vspace*{-1.5\topskip}%
17260 \toc@headstar{\@tocextra}{\indexname}]%
17261 \prw@mkboth{\indexname}
17262 \fi
17263 \fi
17264 \fi
17265 \thispagestyle{plain}\parindent\z@
17266 \parskip\z@ \@plus .3\p@\relax
17267 \let\item\@idxitem}
17268 {\if@restonecol\onecolumn\else\clearpage\fi}
17269 \fi

```

7.116 tocloft-xetex-bidi.def

```

17270 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17271 \let\cftdot\@SepMark
17272 \if@cfthaspart
17273 \renewcommand*{\l@part}[2]{
17274 \@cftdopartfalse
17275 \ifnum \c@tocdepth >-2\relax
17276 \if@cfthaschapter
17277 \@cftdoparttrue
17278 \fi
17279 \ifnum \c@tocdepth >\m@ne

```



```

17280     \if@cfthaschapter\else
17281         \cftdoparttrue
17282     \fi
17283 \fi
17284 \fi
17285 \if@cftdopart
17286     \if@cfthaschapter
17287         \addpenalty{-\@highpenalty}
17288     \else
17289         \addpenalty\@secpenalty
17290     \fi
17291     \addvspace{\cftbeforepartskip}
17292     \begingroup
17293         {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
17294         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17295         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17296         \parindent \cftpartindent\relax\@afterindenttrue
17297         \interlinepenalty\@M
17298         \leavevmode
17299         \@tempdima \cftpartnumwidth\relax
17300         \let\@cftbsnum \cftpartpresnum
17301         \let\@cftasnum \cftpartaftersnum
17302         \let\@cftasnumb \cftpartaftersnumb
17303         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17304         {\cftpartfont \cftpartpresnum #1}
17305         \cftpartfillnum{#2}}
17306     \nobreak
17307     \if@cfthaschapter
17308         \global\@nobreaktrue
17309         \everypar{\global\@nobreakfalse\everypar{}}
17310     \else
17311         \if@compatibility
17312             \global\@nobreaktrue
17313             \everypar{\global\@nobreakfalse\everypar{}}
17314         \fi
17315     \fi
17316 \endgroup
17317 \fi}
17318 \fi
17319 \if@cfthaschapter
17320 \renewcommand*\l@chapter}[2]{
17321     \ifnum \c@tocdepth >\m@ne
17322         \addpenalty{-\@highpenalty}
17323         \vskip \cftbeforechapskip
17324         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17325         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17326         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17327         \parindent \cftchapindent\relax\@afterindenttrue
17328         \interlinepenalty\@M
17329         \leavevmode

```



```

17330 \tempdima \cftchapnumwidth\relax
17331 \let\@cftbsnum \cftchappresnum
17332 \let\@cftasnum \cftchapaftersnum
17333 \let\@cftasnumb \cftchapaftersnumb
17334 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\rightski
17335 {\cftchapfont #1}\nobreak
17336 \cftchapfillnum{#2}}
17337 \fi}
17338 \fi
17339 \renewcommand*{\l@section}[2]{%
17340 \ifnum \c@tocdepth >\z@
17341 \ifcftaschapter
17342 \vskip \cftbeforesecskip
17343 \else
17344 \addpenalty\@secpenalty
17345 \addvspace{\cftbeforesecskip}
17346 \fi
17347 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
17348 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17349 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17350 \parindent \cftsecindent\relax\@afterindenttrue
17351 \interlinepenalty\@M
17352 \leavevmode
17353 \tempdima \cftsecnumwidth\relax
17354 \let\@cftbsnum \cftsecpresnum
17355 \let\@cftasnum \cftsecaftersnum
17356 \let\@cftasnumb \cftsecaftersnumb
17357 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\rightski
17358 {\cftsecfont #1}\nobreak
17359 \cftsecfillnum{#2}}
17360 \fi}
17361 \renewcommand*{\l@subsection}[2]{%
17362 \ifnum \c@tocdepth >\@ne
17363 \vskip \cftbeforesubsecskip
17364 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
17365 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17366 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17367 \parindent \cftsubsecindent\relax\@afterindenttrue
17368 \interlinepenalty\@M
17369 \leavevmode
17370 \tempdima \cftsubsecnumwidth\relax
17371 \let\@cftbsnum \cftsubsecpresnum
17372 \let\@cftasnum \cftsubsecaftersnum
17373 \let\@cftasnumb \cftsubsecaftersnumb
17374 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\rightski
17375 {\cftsubsecfont #1}\nobreak
17376 \cftsubsecfillnum{#2}}
17377 \fi}
17378 \renewcommand*{\l@subsubsection}[2]{%
17379 \ifnum \c@tocdepth >\tw@

```



```

17380 \vskip \cftbeforesubsubsecskip
17381 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
17382 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17383 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17384 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17385 \interlinepenalty\@M
17386 \leavevmode
17387 \@tempdima \cftsubsubsecnumwidth\relax
17388 \let\@cftbsnum \cftsubsubsecpresnum
17389 \let\@cftasnum \cftsubsubsecaftersnum
17390 \let\@cftasnumb \cftsubsubsecaftersnumb
17391 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17392 {\cftsubsubsecfont #1}\nobreak
17393 \cftsubsubsecfillnum{#2}}
17394 \fi}
17395 \renewcommand*{\l@paragraph}[2]{%
17396 \ifnum \c@tocdepth >3\relax
17397 \vskip \cftbeforeparaskip
17398 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
17399 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17400 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17401 \parindent \cftparindent\relax\@afterindenttrue
17402 \interlinepenalty\@M
17403 \leavevmode
17404 \@tempdima \cftparanumwidth\relax
17405 \let\@cftbsnum \cftparapresnum
17406 \let\@cftasnum \cftparaaftersnum
17407 \let\@cftasnumb \cftparaaftersnumb
17408 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17409 {\cftparafont #1}\nobreak
17410 \cftparafillnum{#2}}
17411 \fi}
17412 \renewcommand*{\l@subparagraph}[2]{%
17413 \ifnum \c@tocdepth >4\relax
17414 \vskip \cftbeforesubparaskip
17415 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
17416 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17417 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17418 \parindent \cftsubparaindent\relax\@afterindenttrue
17419 \interlinepenalty\@M
17420 \leavevmode
17421 \@tempdima \cftsubparanumwidth\relax
17422 \let\@cftbsnum \cftsubparapresnum
17423 \let\@cftasnum \cftsubparaaftersnum
17424 \let\@cftasnumb \cftsubparaaftersnumb
17425 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17426 {\cftsubparafont #1}\nobreak
17427 \cftsubparafillnum{#2}}
17428 \fi}
17429 \renewcommand*{\l@figure}[2]{%

```



```

17430 \ifnum \c@lofdepth >\z@
17431   \vskip \cftbeforefigskip
17432   {\ifRTL\rightskip\else\leftskip\fi \cftfigindent\relax
17433     \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17434     \parfillskip -\ifRTL\leftskip\else\rightskip\fi
17435     \parindent \cftfigindent\relax\@afterindenttrue
17436     \interlinepenalty\@M
17437     \leavevmode
17438     \@tempdima \cftfignumwidth\relax
17439     \let\@cftbsnum \cftfigpresnum
17440     \let\@cftasnum \cftfigaftersnum
17441     \let\@cftasnumb \cftfigaftersnumb
17442     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightski
17443     {\cftfigfont #1}\nobreak
17444     \cftfigfillnum{#2}}
17445   \fi
17446 }
17447 \renewcommand*\l@table}[2]{%
17448   \ifnum\c@lotdepth >\z@
17449     \vskip \cftbeforetabskip
17450     {\ifRTL\rightskip\else\leftskip\fi \cfttabindent\relax
17451       \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17452       \parfillskip -\ifRTL\leftskip\else\rightskip\fi
17453       \parindent \cfttabindent\relax\@afterindenttrue
17454       \interlinepenalty\@M
17455       \leavevmode
17456       \@tempdima \cfttabnumwidth\relax
17457       \let\@cftbsnum \cfttabpresnum
17458       \let\@cftasnum \cfttabaftersnum
17459       \let\@cftasnumb \cfttabaftersnumb
17460       \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightski
17461       {\cfttabfont #1}\nobreak
17462       \cfttabfillnum{#2}}
17463     \fi
17464   }
17465 \renewcommand*\@cftl@subfig){
17466 \renewcommand*\l@subfigure}[2]{%
17467   \ifnum \c@lofdepth > \toclevel@subfigure
17468     \vskip \cftbeforesubfigskip
17469     {\ifRTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17470       \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17471       \parfillskip -\ifRTL\leftskip\else\rightskip\fi
17472       \parindent \cftsubfigindent\relax\@afterindenttrue
17473       \interlinepenalty\@M
17474       \leavevmode
17475       \@tempdima \cftsubfignumwidth\relax
17476       \let\@cftbsnum \cftsubfigpresnum
17477       \let\@cftasnum \cftsubfigaftersnum
17478       \let\@cftasnumb \cftsubfigaftersnumb
17479       \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightski

```




```

17480     {\cftsubfigfont ##1}\nobreak
17481     \cftsubfigfillnum{##2}}
17482   \fi
17483 }
17484 }
17485 \renewcommand{\@cftl@subtab}{
17486 \renewcommand*{\l@subtable}[2]{%
17487   \ifnum \c@lotdepth > \toclevel@subtable
17488     \vskip \cftbeforesubtabskip
17489     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
17490     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17491     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17492     \parindent \cftsubtabindent\relax\@afterindenttrue
17493     \interlinepenalty\@M
17494     \leavevmode
17495     \@tempdima \cftsubtabnumwidth\relax
17496     \let\@cftbsnum \cftsubtabpresnum
17497     \let\@cftasnum \cftsubtabaftersnum
17498     \let\@cftasnumb \cftsubtabaftersnumb
17499     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17500     {\cftsubtabfont ##1}\nobreak
17501     \cftsubtabfillnum{##2}}
17502   \fi
17503 }
17504 }
17505 \renewcommand{\newlistentry}[4][\@empty]{%
17506   \@ifundefined{c@#2}{%    check & set the counter
17507     \ifx \@empty#1\relax
17508       \newcounter{#2}
17509     \else
17510       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
17511         {#1 has no counter for use as a `within'}}
17512       \newcounter{#2}}%
17513     {\newcounter{#2}[#1]%
17514     \expandafter\edef\csname the#2\endcsname{%
17515     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
17516     \fi
17517     \setcounter{#2}{0}
17518   }
17519   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
17520
17521   \@namedef{l@#2}##1##2{%
17522     \ifnum \@nameuse{c@#3depth} > #4\relax
17523       \vskip \@nameuse{cftbefore#2skip}
17524       {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
17525       \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17526       \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17527       \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
17528       \interlinepenalty\@M
17529       \leavevmode

```



```

17530     \@tempdima \@nameuse{cft#2numwidth}\relax
17531     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
17532     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
17533     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
17534     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17535     {\@nameuse{cft#2font}##1}\nobreak
17536     \@nameuse{cft#2fillnum}{##2}}
17537     \fi
17538 } % end of \l@#2
17539
17540 \expandafter\newlength\csname cftbefore#2skip\endcsname
17541 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
17542 \expandafter\newlength\csname cft#2indent\endcsname
17543 \expandafter\newlength\csname cft#2numwidth\endcsname
17544 \ifcase #4\relax % 0
17545 \setlength{\@nameuse{cft#2indent}}{0em}
17546 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
17547 \or % 1
17548 \setlength{\@nameuse{cft#2indent}}{1.5em}
17549 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
17550 \or % 2
17551 \setlength{\@nameuse{cft#2indent}}{3.8em}
17552 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
17553 \or % 3
17554 \setlength{\@nameuse{cft#2indent}}{7.0em}
17555 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
17556 \else % anything else
17557 \setlength{\@nameuse{cft#2indent}}{10.0em}
17558 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
17559 \fi
17560 \@namedef{cft#2font}{\normalfont}
17561 \@namedef{cft#2presnum}{}
17562 \@namedef{cft#2aftersnum}{}
17563 \@namedef{cft#2aftersnumb}{}
17564 \@namedef{cft#2dotsep}{\cftdotsep}
17565 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
17566 \@namedef{cft#2pagefont}{\normalfont}
17567 \@namedef{cft#2afterpnum}{}
17568 \@namedef{toclevel@#2}{#4}
17569 \@namedef{cft#2fillnum}##1{%
17570     {\@nameuse{cft#2leader}}\nobreak
17571     \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
17572 } % end \newlistentry
17573 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
17574     {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17575     \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
17576     \if@RTL\leftskip\else\rightskip\fi \tocrmarg\relax
17577     \textit{#1}\protect\par}}}

```



7.117 tocstyle-xetex-bidi.def

```
17578 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
17579 \renewcommand*{\tocstyle@dottedtocline}[5]{%
17580 \let\numberline\tocstyle@numberline
17581 \ifnum #1>\c@tocdepth \else
17582 \if@tocstyle@penalties
17583 \begingroup
17584 \@tempcnta 20010
17585 \advance \@tempcnta by -#1
17586 \ifnum \@tempcnta>\lastpenalty
17587 \aftergroup\penalty\aftergroup\@lowpenalty
17588 \fi
17589 \endgroup
17590 \fi
17591 \edef\tocstyledepth{#1}%
17592 \tocstyle@activate@features
17593 \ifx\tocstyle@feature@entryvskip\relax
17594 \vskip \z@ \@plus.2\p@
17595 \else
17596 \addvspace{\tocstyle@feature@entryvskip}%
17597 \fi
17598 {%
17599 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
17600 \tocstyle@feature@raggedhook
17601 \@tempdima #3\relax
17602 \@tempdimb #2\relax
17603 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17604 \ifnum #1>\z@\relax
17605 \@tempcnta #1\relax \advance\@tempcnta \m@ne
17606 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17607 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17608 \@tempdimb
17609 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17610 \advance\@tempdimb
17611 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17612 \fi
17613 \fi
17614 \fi
17615 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17616 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
17617 \ifdim \@tempdimb>
17618 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
17619 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17620 @#1\endcsname{\the\@tempdimb}%
17621 \fi
17622 \else
17623 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17624 @#1\endcsname{\the\@tempdimb}%
17625 \fi
```



```

17626 \iftocstyle@autolength
17627   \ifcsname tocstyle@maxskipwidth@tocstyleTOC @#1\endcsname
17628   \@tempdimb \csname tocstyle@maxskipwidth@tocstyleTOC @#1\endcsname
17629     \relax
17630   \fi
17631   \ifcsname tocstyle@maxnumwidth@tocstyleTOC @#1\endcsname
17632   \@tempdima \csname tocstyle@maxnumwidth@tocstyleTOC @#1\endcsname
17633     \relax
17634   \fi
17635   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17636   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17637 \else
17638   \@tempdimb #2\relax
17639   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17640 \fi
17641 \ifcsname tocstyle@unumwidth@tocstyleTOC @\endcsname
17642   \ifdim \@tempdima>
17643     \csname tocstyle@unumwidth@tocstyleTOC @\endcsname\relax
17644     \expandafter\xdef\csname tocstyle@unumwidth@tocstyleTOC
17645       @\endcsname{\the\@tempdima}%
17646   \fi
17647 \else
17648   \expandafter\xdef\csname tocstyle@unumwidth@tocstyleTOC
17649     @\endcsname{\the\@tempdima}%
17650 \fi
17651 \ifcase\tocstyle@indentstyle\relax\else
17652   \@tempdimb \z@
17653   \ifcsname tocstyle@maxunumwidth@tocstyleTOC @\endcsname
17654   \@tempdima \csname tocstyle@maxunumwidth@tocstyleTOC @\endcsname
17655     \relax
17656   \fi
17657   \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17658   \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17659 \fi
17660 \advance\parindent \@tempdimb\@afterindenttrue
17661 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
17662 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17663 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17664 \ifx\tocstyle@feature@parfillskip\relax\else
17665   \advance\parfillskip \tocstyle@feature@parfillskip\relax
17666 \fi
17667 \interlinepenalty\@M
17668 \leavevmode
17669 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
17670 \null\nobreak
17671 \iftocstyle@indentnotnumbered\else
17672   \hskip -\if@RTL\rightskip\else\leftskip\fi
17673 \fi
17674 \tocstyle@feature@entryhook
17675 {#4}\nobreak

```



```

17676 \ifx\tocstyle@feature@leaders\relax
17677 \leaders\hbox{${m@th
17678 \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}}%
17679 \mkern \dotsep mu$}\hfill
17680 \else
17681 \tocstyle@feature@leaders
17682 \fi
17683 \nobreak
17684 \ifx\tocstyle@feature@pagenumberbox\relax
17685 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
17686 \else
17687 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
17688 \fi
17689 \par
17690 }%
17691 \if@tocstyle@penalties
17692 \bgroup
17693 \@tempcnta 20009
17694 \advance\@tempcnta by -#1
17695 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
17696 \reserved@a
17697 \fi
17698 \fi}
17699 \renewcommand*{\tocstyle@numberline}[1]{%
17700 \begingroup
17701 \ifx\tocstyle@feature@spaceafternumber\relax
17702 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
17703 \else
17704 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
17705 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
17706 \fi
17707 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
17708 \ifdim \@tempdima >
17709 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
17710 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17711 @\tocstyledepth\endcsname{\the\@tempdima}%
17712 \fi
17713 \else
17714 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
17715 @\tocstyledepth\endcsname{\the\@tempdima}%
17716 \fi
17717 \endgroup
17718 \iftocstyle@indentnotnumbered
17719 \hskip -\if@RTL\rightskip\else\leftskip\fi
17720 \fi
17721 \ifcase \tocstyle@indentstyle
17722 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
17723 \or
17724 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
17725 \else

```



```

17726 \ifx\tocstyle@feature@spaceafternumber\relax
17727 \hbox{\tocstyle@numberline{#1}\enskip}%
17728 \else
17729 \hbox{\tocstyle@numberline{#1}\hskip
17730 \tocstyle@feature@spaceafternumber\relax}%
17731 \fi
17732 \fi
17733 }
17734 \AtBeginDocument{%
17735 \ifcsname l@part\endcsname
17736 \ifcsname l@chapter\endcsname
17737 \setbox\@tempboxa\vbox{\hsize\maxdimen
17738 \l@part{\tocstyle@l@define{part}{-1}}{}}%
17739 \else
17740 \setbox\@tempboxa\vbox{\hsize\maxdimen
17741 \l@part{\tocstyle@l@define{part}{0}}{}}%
17742 \fi
17743 \fi
17744 \ifcsname l@chapter\endcsname
17745 \setbox\@tempboxa\vbox{\hsize\maxdimen
17746 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
17747 \fi
17748 \ifcsname l@section\endcsname
17749 \setbox\@tempboxa\vbox{\hsize\maxdimen
17750 \l@section{\tocstyle@l@define{section}{1}}{}}%
17751 \fi
17752 \ifcsname l@subsection\endcsname
17753 \setbox\@tempboxa\vbox{\hsize\maxdimen
17754 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
17755 \fi
17756 \ifcsname l@subsubsection\endcsname
17757 \setbox\@tempboxa\vbox{\hsize\maxdimen
17758 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
17759 \fi
17760 \ifcsname l@paragraph\endcsname
17761 \setbox\@tempboxa\vbox{\hsize\maxdimen
17762 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
17763 \fi
17764 \ifcsname l@subparagraph\endcsname
17765 \setbox\@tempboxa\vbox{\hsize\maxdimen
17766 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
17767 \fi
17768 \ifcsname l@table\endcsname
17769 \setbox\@tempboxa\vbox{\hsize\maxdimen
17770 \l@table{\tocstyle@l@define{table}{1}}{}}%
17771 \fi
17772 \ifcsname l@figure\endcsname
17773 \setbox\@tempboxa\vbox{\hsize\maxdimen
17774 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
17775 \fi

```



```

17776 \def\@tempa#1#2#3#4#5{%
17777   \ifnum #1>\c@tocdepth \else
17778     \vskip \z@ \@plus.2\p@
17779     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
17780     \parindent #2\relax\@afterindenttrue
17781     \interlinepenalty\@M
17782     \leavevmode
17783     \@tempdima #3\relax
17784     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightsk
17785     {#4}\nobreak
17786     \leaders\hbox{${\m@th
17787       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17788       mu$}\hfill
17789     \nobreak
17790     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
17791     \par}%
17792   \fi}%
17793 \ifx\@dottedtocline\@tempa\else
17794   \tocstyle@macrochangewarning\@dottedtocline
17795 \fi
17796 \let\tocstyle@saved@dottedtocline\@dottedtocline
17797 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
17798 \ifx\numberline\@tempa\else
17799   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
17800   \ifx\numberline\@tempa\else
17801     \tocstyle@macrochangewarning\numberline
17802   \fi
17803 \fi
17804 \let\tocstyle@saved@numberline\numberline
17805 }
17806 \renewcommand*{\tocstyle@l@define}[2]{%
17807   \advance\ifRTL\rightskip\else\leftskip\fi-\@tempdima
17808   \edef\@tempa{%
17809     \noexpand\global\noexpand\let
17810     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
17811     \expandafter\noexpand\csname l@#1\endcsname
17812     \noexpand\gdef
17813     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
17814     \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
17815     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
17816     \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
17817     \expandafter\noexpand\csname tocstyle@l@#1\endcsname
17818     }%
17819   }%
17820 \PackageInfo{tocstyle}{prepare \expandafter\string
17821   \csname l@#1\endcsname\space for redefinition}%
17822 \@tempa
17823 }

```



7.118 todonotes-xetex-bidi.def

```
17824 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
17825 \newif\if@bidi@todonotes@textdirection@RTL
17826 \newif\if@bidi@todonotes@figposition@right
17827 \newcommand{\@bidi@todonotes@align}{}%
17828 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
17829 \newcommand{\@bidi@todonotes@textdirection}{}%
17830 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
17831 \ifcase\@bidi@todonotes@tempb\relax
17832 \@bidi@todonotes@textdirection@RTLtrue
17833 \let\@bidi@todonotes@textdirection\RL
17834 \or
17835 \@bidi@todonotes@textdirection@RTLfalse
17836 \let\@bidi@todonotes@textdirection\L
17837 \fi}
17838 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
17839 \ifcase\@bidi@todonotes@tempb\relax
17840 \@bidi@todonotes@figposition@righttrue
17841 \or
17842 \@bidi@todonotes@figposition@rightfalse
17843 \fi}
17844 \if@todonotes@disabled%
17845 \else % \if@todonotes@disabled
17846 \renewcommand{\@todonotes@drawInlineNote}{%
17847 \if@todonotes@dviStyle%
17848 {\par\noindent\begin{tikzpicture}[remember picture]%
17849 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
17850 \if@todonotes@authorgiven%
17851 {\noindent \@todonotes@sizecommand \@todonotes@author:\, \@todonotes@text}%
17852 \else%
17853 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17854 \fi
17855 {\par\noindent\begin{tikzpicture}[remember picture]%
17856 \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
17857 \else%
17858 {\par\noindent\begin{tikzpicture}[remember picture]%
17859 \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
17860 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]
17861 \if@todonotes@authorgiven%
17862 {\noindent \@todonotes@sizecommand \@todonotes@author:\, \@todonotes@text}%
17863 \else%
17864 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17865 \fi};%
17866 \end{tikzpicture}\par}%
17867 \fi}%
17868 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
17869 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
17870 \node [coordinate] (inText) {};%
17871 \end{tikzpicture}%
```




```

17872 \marginpar[{} Draw note in left margin
17873     \@todonotes@drawMarginNote%
17874     \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
17875 ]{} Draw note in right margin
17876     \@todonotes@drawMarginNote%
17877     \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
17878 }%
17879 }%
17880 \renewcommand{\@todonotes@drawMarginNote}{%
17881 \if@todonotes@dviStyle%
17882     \begin{tikzpicture}[remember picture]%
17883         \draw node[notestyle] {};%
17884     \end{tikzpicture}\%
17885 \begin{minipage}{\@todonotes@textwidth}%
17886     \if@todonotes@authorgiven%
17887         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
17888     \else%
17889         \@todonotes@sizecommand \@todonotes@text%
17890     \fi%
17891 \end{minipage}\%
17892 \begin{tikzpicture}[remember picture]%
17893     \draw node[notestyle] (inNote) {};%
17894 \end{tikzpicture}%
17895 \else%
17896     \let\originalHbadness\hbadness%
17897     \hbadness 100000%
17898     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
17899         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17900         \node(X){\vphantom{X}};%
17901         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@al
17902             {\@todonotes@text};%
17903         \if@todonotes@authorgiven%
17904             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17905                 {\@todonotes@sizecommand\@todonotes@author};%
17906             \node(Y)[below=of X]{};%
17907             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17908                 {\@todonotes@text};%
17909         \else%
17910             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17911                 {\@todonotes@text};%
17912         \fi%
17913     \end{tikzpicture}%
17914     \hbadness \originalHbadness%
17915 \fi}%
17916 \renewcommand{\missingfigure}[2] [] {}%
17917 \setkeys{todonotes}{#1}%
17918 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
17919 \par
17920 \noindent
17921 \begin{tikzpicture}

```



```

17922 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
17923   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
17924 \if@bidi@todonotes@figposition@right%
17925 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17926 \fi%
17927 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
17928   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
17929 \if@bidi@todonotes@figposition@right%
17930 \end{scope}
17931 \begin{scope}[xshift=-3.8cm]
17932 \fi%
17933 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17934 \draw (2, -0.3) node[right, text
17935   width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
17936 \if@bidi@todonotes@figposition@right%
17937 \end{scope}
17938 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17939 \fi%
17940 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17941 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17942 \if@bidi@todonotes@figposition@right%
17943 \end{scope}
17944 \fi%
17945 \end{tikzpicture}}\hfill
17946 }% Ending \missingfigure command
17947 \fi % Ending \@todonotes@ifdisabled
17948 \presetkeys%
17949   {todonotes}%
17950   {align=left,%
17951   textdirection=lefttoright,%
17952   figposition=left}{}%

```

7.119 wrapfig-xetex-bidi.def

```

17953 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
17954 \let\WF@@everypar\bidi@n@everypar
17955 \def\WF@putfigmaybe{%
17956 \ifinner
17957   \vskip-\parskip \global\WF@floatfalse
17958   \let\pagetotal\maxdimen % kludge flag for "not top of page"
17959 \else % outer page
17960   \@tempdima\pagedepth % save page depth
17961   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
17962   \penalty\interlinepenalty % update pg. parameters
17963   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
17964   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
17965     \global\WF@floatfalse
17966     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
17967   \else
17968     \ifdim\WF@size>\@tempdimb

```



```

17969     \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
17970         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
17971         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
17972         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
17973         \advance\dimen@.5\baselineskip
17974     \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
17975         \global\WF@floatfalse \pagebreak
17976     \fi
17977     \else % \WF@info{Fits in \the\@tempdimb;}%
17978         \global\WF@floatfalse
17979     \fi\fi
17980     \vskip\@tempdima\relax % (return erased page depth)
17981 \fi
17982 \noindent
17983 \ifWF@float
17984     \WF@fltmes
17985 \else % putting here;
17986     \WF@info{Put \WF@wfname here;}%
17987     {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
17988     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
17989     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
17990 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
17991     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
17992     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
17993     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
17994     \xdef\WF@adjlw{\the\@tempdima}%
17995     \ifnum `l=\WF@place % fig on left
17996         \if@RTL%
17997             \kern\@tempdimb \kern\columnsep
17998             \def\@tempa{\hss}% position to left of the gap
17999             \else%
18000             \hss % figure overlaps space to the left
18001             \def\@tempa{\kern\columnsep}% position to left of the gap
18002             \fi%
18003     \else % fig on right
18004         \if@RTL%
18005             \hss
18006             \@tempdima\z@
18007             \def\@tempa{\kern\columnsep}
18008             \else%
18009             \@tempdima\z@ % no left indentation
18010             \kern\@tempdimb \kern\columnsep
18011             \def\@tempa{\hss}% figure overlaps space to the right
18012             \fi%
18013     \fi
18014     \ifdim\@tempdimb<\hsize
18015     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
18016     \xdef\WF@adjtlm{\the\@tempdima}%
18017     \else
18018     \xdef\WF@wrapil{\z@ \the\hsize}%

```



```

18019 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
18020 \fi
18021 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
18022 \global\advance\WF@size-\intextsep
18023 \else % \WF@info{Putting \WF@wfname in middle of page}%
18024 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
18025 \fi \dp\WF@box\z@ \box\WF@box \@tempa
18026 }% end \hbox to Opt
18027 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
18028 \fi}

```

7.120 xcolor-xetex-bidi.def

```

18029 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX]
18030 \long\def\color@b@x#1#2#3%
18031 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
18032 \setbox\z@\hbox{\kern\fbboxsep{\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
18033 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
18034 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
18035 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
18036 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
18037 \DeclareRobustCommand\color
18038 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
18039 \def\@undeclaredcolor[#1]#2%
18040 {\begingroup
18041 \let\@ccls\@empty
18042 \XC@getmodclr12{#1}{#2}{}%
18043 {\ifblendcolors
18044 \ifx\colorblend\@empty\else
18045 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
18046 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
18047 \fi
18048 \fi
18049 \ifconvertcolorsU
18050 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18051 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18052 \fi
18053 \ifmaskcolors
18054 \convertcolorspec\@mod\@clr\XC@mmod\@clr
18055 \let\@mod\XC@mmod
18056 \XC@inflate\@mod\XC@mlr\@clr\@tmp
18057 \expandafter\XC@mul\@tmp,\@clr
18058 \fi
18059 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
18060 \expandafter\endgroup\@tmp}}
18061 \def\@declaredcolor#1%
18062 {\XC@edef\XC@tmp{#1}\XC@tstfalse
18063 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
18064 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18065 \ifconvertcolorsU\XC@tsttrue\fi

```



```

18066 \fi
18067 \ifXC@tst
18068   \expandafter\XC@declaredcolor\else
18069   \expandafter\XC@declaredcolor\fi}
18070 \def\XC@undeclaredcolor#1#2%
18071  {\@ifundefinedmodel{#1}%
18072   {\c@lor@error{model `#1'}}%
18073   {\@nameuse{color@#1}\current@color{#2}}%
18074   \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18075   \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18076 \def\XC@declaredcolor
18077  {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
18078   \edef\current@color{\XC@current@color}%
18079   \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18080 \DeclareRobustCommand\bidicolor
18081  {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
18082 \def\@bidiundeclaredcolor[#1]#2%
18083  {\begingroup
18084   \let\@cls\@empty
18085   \XC@getmodclr12{#1}{#2}{}%
18086   {\ifblendcolors
18087    \ifx\colorblend\@empty\else
18088    \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
18089    \XC@coremodel\@mod\@clr\xcolor@{\}\@mod\@clr
18090    \fi
18091    \fi
18092    \ifconvertcolorsU
18093    \edef\@tmp{\XC@tgt@mod{\@mod}}%
18094    \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18095    \fi
18096    \ifmaskcolors
18097    \convertcolorspec\@mod\@clr\XC@mmod\@clr
18098    \let\@mod\XC@mmod
18099    \XC@inflate\@mod\XC@mclr\@clr\@tmp
18100    \expandafter\XC@mul\@tmp,\@clr
18101    \fi
18102    \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
18103    \expandafter\endgroup\@tmp}}
18104 \def\XC@bidiundeclaredcolor#1#2%
18105  {\@ifundefinedmodel{#1}%
18106   {\c@lor@error{model `#1'}}%
18107   {\@nameuse{color@#1}\current@color{#2}}%
18108   \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18109   \XC@display}}
18110 \def\@bidideclaredcolor#1%
18111  {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
18112   \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
18113   \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
18114   \ifconvertcolorsU\XC@@tsttrue\fi
18115   \fi

```



```

18116 \ifXC@tst
18117   \expandafter\XC@bidideclaredcolor\else
18118   \expandafter\XC@bidideclaredcolor\fi}
18119 \def\XC@bidideclaredcolor
18120 {\XC@split\XC@tmp
18121 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
18122 \expandafter\endgroup\@tmp}
18123 \def\XC@bidideclaredcolor
18124 {\XC@let\NC\XC@current@color{\string\color\XC@tmp}%
18125 \edef\current@color{\XC@current@color}%
18126 \XC@display}
18127 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
18128 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
18129 \def\color@fb@x#1#2#3#4%
18130 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
18131 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
18132 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.121 latex-xetex-bidi.def

```

18133 \ProvidesFile{latex-xetex-bidi.def}[2015/11/14 v1.2.4 bidi adaptations for `latex.ltx' for XeTeX]
18134 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
18135 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
18136 \TeXXeTOn
18137 \def\bidi@RTL@everypar{\setbox\z@lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
18138 \let\bidi@o@everypar=everypar
18139 \newtoks\bidi@n@everypar
18140 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18141 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18142 \let\everypar=\bidi@n@everypar
18143 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18144 \def\moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18145 \protected\def\hboxR{\hbox\bggroup
18146 \everyhbox{%
18147 \aftergroup\egroup
18148 \everyhbox{}}%
18149 \beginR
18150 \bggroup
18151 \aftergroup\endR
18152 \aftergroup\egroup
18153 }\hbox}
18154 \protected\def\hboxL{\hbox\bggroup
18155 \everyhbox{%
18156 \aftergroup\egroup
18157 \everyhbox{}}%
18158 \beginL
18159 \bggroup
18160 \aftergroup\endL
18161 \aftergroup\egroup
18162 }\hbox}

```



```

18163 \protected\def\ vboxR{\ vbox\bgroup
18164 \everyvbox{%
18165 \aftergroup\egroup
18166 \everyvbox{}}%
18167 \@RTLtrue
18168 \bgroup
18169 \aftergroup\egroup
18170 }\ vbox}
18171 \protected\def\ vboxL{\ vbox\bgroup
18172 \everyvbox{%
18173 \aftergroup\egroup
18174 \everyvbox{}}%
18175 \@RTLfalse
18176 \bgroup
18177 \aftergroup\egroup
18178 }\ vbox}
18179 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18180 \def\endLTR{\par}
18181 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18182 \def\endRTL{\par}
18183 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18184 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18185 \let\unsetRTL=\setLTR
18186 \let\unsetLTR=\setRTL
18187 \let\LR=\LRE
18188 \let\RL=\RLE
18189 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18190 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18191 \let\@ensure@RL=\@ensure@RTL
18192 \let\@ensure@LR=\@ensure@LTR
18193 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18194 \let\@ensure@maindir=\@ensure@dir
18195 \def\@RTL{RTL}
18196 \def\@LTR{LTR}
18197 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18198 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
18199 \let\@TeX\TeX
18200 \def\TeX{\@ensure@LTR{\@TeX}}
18201 \let\@LaTeX\LaTeX
18202 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
18203 \let\@LaTeXe\LaTeXe
18204 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
18205 \long\def\ bidi@reflect@box#1{%
18206 \leavevmode
18207 \setbox\z@\hbox{#1}%
18208 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
18209 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
18210 }
18211 \def\XeTeX{LR{\leavevmode$\smash{\hbox{X}\lower.5ex
18212 \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}

```



```

18213 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
18214 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
18215 \let\setRL=\setRTL
18216 \let\setLR=\setLTR
18217 \let\unsetRL=\setLTR
18218 \def\ bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
18219 \@ifpackageloaded{array}{%
18220 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18221 \leavevmode
18222 \hbox \bgroup $\left.\col@sep\tabc@sep \let\dollarbegin\begin\group
18223 \let\dollarend\end\group
18224 \@tabarray}
18225 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
18226 }{%
18227 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18228 \leavevmode \hbox \bgroup
18229 $\left.\let\@acol\@tabacol
18230 \let\@classz\@tabclassz
18231 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18232
18233 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
18234 \egroup\right\rbrace $\egroup
18235 \@RTLtabfalse}
18236 }
18237 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
18238 \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,\right\}}
18239 \renewenvironment{RTLcases}{%
18240 \bidi@matrix@check\RTLcases\env@RTLcases
18241 }{%
18242 \endbidi@tabular@RTLcases%
18243 }
18244 \def\env@RTLcases{%
18245 \let\@ifnextchar\bidi@new@ifnextchar
18246 \def\arraystretch{1.2}%
18247 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
18248 }
18249 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
18250 \SepMark{.}
18251 \def\@thmcountersep{\@SepMark}
18252 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
18253 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
18254 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
18255 \def\list#1#2{%
18256 \ifnum \@listdepth >5\relax
18257 \@toodeep
18258 \else
18259 \global\advance\@listdepth\@ne
18260 \fi
18261 \rightmargin\z@
18262 \listparindent\z@

```




```

18263 \itemindent\z@
18264 \csname @list\romannumeral\the\@listdepth\endcsname
18265 \def\@itemlabel{#1}%
18266 \let\makelabel\@mklab
18267 \@nmbriestfalse
18268 #2\relax
18269 \@trivlist
18270 \parskip\parsep
18271 \parindent\listparindent
18272 \advance\linewidth -\rightmargin
18273 \advance\linewidth -\leftmargin
18274 \if@bidi@list@minipage@parbox
18275 \if@RTL
18276 \advance\@totalleftmargin \leftmargin
18277 \else
18278 \advance\@totalleftmargin \rightmargin
18279 \fi
18280 \else
18281 \if@RTLtab
18282 \if@bidi@list@minipage@parbox@not@nob
18283 \if@RTL
18284 \advance\@totalleftmargin \rightmargin
18285 \else
18286 \advance\@totalleftmargin \leftmargin
18287 \fi
18288 \else
18289 \if@RTL
18290 \advance\@totalleftmargin \leftmargin
18291 \else
18292 \advance\@totalleftmargin \rightmargin
18293 \fi\fi
18294 \else
18295 \if@RTL
18296 \advance\@totalleftmargin \rightmargin
18297 \else
18298 \advance\@totalleftmargin \leftmargin
18299 \fi\fi\fi
18300 \parshape \@ne \@totalleftmargin \linewidth
18301 \ignorespaces}
18302 \long\def\@iiiparbox#1#2[#3]#4#5{%
18303 \leavevmode
18304 \@pboxswfalse
18305 \if@RTLtab@bidi@list@minipage@parbox@not@nobtrue\fi
18306 \if@RTL\if#1t@bidi@list@minipage@parboxtrue\else\if#1b@bidi@list@minipage@parboxtrue\fi\fi
18307 \setlength\@tempdima{#4}%
18308 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
18309 \ifx\relax#2\else
18310 \setlength\@tempdimb{#2}%
18311 \edef\@parboxto{to\the\@tempdimb}%
18312 \fi

```



```

18313 \if#1b\vbox
18314 \else\if #1t\vtop
18315 \else\ifmode\vcenter
18316 \else\@pboxswtrue $\vcenter
18317 \fi\fi\fi
18318 \@parboxto{\let\hss\vss\let\unhbox\unvbox
18319 \csname bm#3\endcsname}%
18320 \if@pboxsw \m@th$\fi
18321 \@end@tempboxa}
18322 \def\bidi@lrbox#1{%
18323 \edef\reserved@a{%
18324 \endgroup
18325 \setbox#1\hbox{%
18326 \begin@group\aftergroup}%
18327 \def\noexpand\@currentenv{\@currentenv}%
18328 \def\noexpand\@currentline{\@currentline}}%
18329 \reserved@a
18330 \@endpefalse
18331 \color@begin@group
18332 \ignorespaces}
18333 \def\endbidi@lrbox{\unskip\color@endgroup}
18334 \newenvironment{LTRitems}
18335 {\par\@RTLfalse
18336 \if@bidi@list@minipage@parbox
18337 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18338 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18339 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18340 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18341 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18342 \ignorespaces}{\vskip\z@}
18343 \newenvironment{RTLitems}
18344 {\par\@RTLtrue
18345 \if@bidi@list@minipage@parbox
18346 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18347 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18348 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18349 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18350 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18351 \ignorespaces}{\vskip\z@}
18352 \newenvironment{LTRbibitems}
18353 {\par\@RTLfalse
18354 \if@bidi@list@minipage@parbox
18355 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18356 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18357 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18358 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18359 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18360 \ignorespaces}{\vskip\z@}
18361 \newenvironment{RTLbibitems}
18362 {\par\@RTLtrue

```



```

18363         \if@bidi@list@minipage@parbox
18364         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18365         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18366         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18367         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18368         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18369         \ignorespaces}{\vskip\z@}
18370 \def\raggedright{%
18371   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
18372   \leftskip\z@skip
18373   \parindent\z@\parfillskip\z@skip}
18374 \let\bidi@orig@raggedleft\raggedleft
18375 \let\bidi@orig@raggedright\raggedright
18376 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
18377 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
18378 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
18379 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
18380 \def\centerline#1{%
18381 \if@RTL\@@line{\hss\beginR#1\endR\hss}
18382 \else\@@line{\hss#1\hss}\fi}
18383 \def\leftline#1{%
18384 \if@RTL\@@line{\beginR#1\endR\hss}
18385 \else\@@line{#1\hss}\fi}
18386 \def\rightline#1{%
18387 \if@RTL\@@line{\hss\beginR#1\endR}
18388 \else\@@line{\hss#1}\fi}
18389 \let\bidi@orig@leftline\leftline
18390 \let\bidi@orig@rightline\rightline
18391 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
18392 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
18393 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
18394 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
18395 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#{#1}}%
18396   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
18397 \def\narrower{%
18398   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
18399   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
18400 \def\underline#1{%
18401   \relax
18402   \ifmmode\@@underline{#1}%
18403   \else
18404 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
18405 \else
18406 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
18407 \if@compatibility
18408   \let\underline=\underline
18409 \fi
18410 \global\@RTLtabfalse
18411 \def\@tabular{\if@RTL\@RTLtabtrue\fi
18412   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi

```



```

18413 $\let\@acol\@tabacol
18414 \let\@classz\@tabclassz
18415 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18416 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18417 \egroup $\if@RTLtab\endR\fi\egroup
18418 \@RTLtabfalse}
18419 \expandafter \let \csname endtabular*\endcsname = \endtabular
18420 \def\@array[#1]#2{%
18421 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18422 \bgroup
18423 \setbox\@arstrutbox\hbox{%
18424 \vrule \@height\arraystretch\ht\strutbox
18425 \@depth\arraystretch \dp\strutbox
18426 \@width\z@}%
18427 \mkpream{#2}%
18428 \edef\@preamble{%
18429 \ialign \noexpand\@halignto
18430 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18431 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18432 \let\@tabularnewline\%
18433 \let\par\@empty
18434 \let\@sharp##%
18435 \set@typeset@protect
18436 \lineskip\z@skip\baselineskip\z@skip
18437 \ifhmode \@preamerr\z@ \@par\fi
18438 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
18439 \@preamble}
18440 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
18441 \let\@classiv\@arrayclassiv
18442 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
18443 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
18444 \ifnum \@lastchclass=3 5 \else
18445 \z@ \if #1c\@chnum \z@ \else
18446 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
18447 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
18448 \@chclass \if #1\@ne \else
18449 \if #1@tw@ \else
18450 \if #1p3 \else \z@ \@preamerr 0\fi
18451 \fi \fi \fi \fi \fi \fi
18452 \fi}
18453 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
18454 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
18455 \def\bm@t{\unhbox\@tempboxa\hss}
18456 \def\bm@b{\hss\unhbox\@tempboxa}
18457 \def\@dottedtocline#1#2#3#4#5{%
18458 \ifnum #1>\c@tocdepth \else
18459 \vskip \z@ \@plus.2\p@
18460 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \
18461 \parindent #2\relax\@afterindenttrue
18462 \interlinepenalty\@M

```



```

18463     \leavevmode
18464     \@tempdima #3\relax
18465     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18466     {#4}\nobreak
18467     \leaders\hbox{${m@th
18468         \mkern \dotsep mu\hbox{.}\mkern \dotsep
18469         mu$}\hfill
18470     \nobreak
18471     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
18472     \par}%
18473     \fi}
18474     \def\RTL@outputdblcol{%
18475     \if@firstcolumn \global\@firstcolumnfalse
18476     \global\setbox\@leftcolumn \box\@outputbox
18477     \else \global\@firstcolumntrue
18478     \setbox\@outputbox \vbox {\hbox to\textwidth {%
18479     \hskip \columnwidth
18480     \hfil \vrule width\columnseprule \hfil
18481     \hbox to\columnwidth {\box\@leftcolumn \hss}%
18482     \hskip -\textwidth
18483     \hbox to\columnwidth{\box\@outputbox \hss}%
18484     \hskip \columnsep
18485     \hskip \columnwidth }}%
18486     \@combinedblfloats \@outputpage
18487     \begingroup \@dblfloatplacement \@startdblcolumn
18488     \@whilesw\if@fcolmade \fi
18489     {\@outputpage \@startdblcolumn }\endgroup
18490     \fi}
18491     \def\LTR@outputdblcol{%
18492     \if@firstcolumn
18493     \global \@firstcolumnfalse
18494     \global \setbox\@leftcolumn \box\@outputbox
18495     \else
18496     \global \@firstcolumntrue
18497     \setbox\@outputbox \vbox {%
18498         \hb@xt@\textwidth {%
18499         \hb@xt@\columnwidth {%
18500             \box\@leftcolumn \hss}%
18501         \hfil
18502         {\normalcolor\vrule \@width\columnseprule}%
18503         \hfil
18504         \hb@xt@\columnwidth {%
18505             \box\@outputbox \hss}%
18506             }%
18507         }%
18508     \@combinedblfloats
18509     \@outputpage
18510     \begingroup
18511     \dblfloatplacement
18512     \@startdblcolumn

```



```

18513     \@whiles\if@fcolmade \fi
18514         {\@outputpage
18515             \@startdblcolumn}%
18516     \endgroup
18517 \fi
18518 }
18519 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
18520 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
18521 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
18522 \def\LTRmarginpar{%
18523     \ifhmode
18524         \@bspback
18525         \@floatpenalty -\@Mii
18526     \else
18527         \@floatpenalty-\@Miii
18528     \fi
18529     \ifinner
18530         \@parmoderr
18531         \@floatpenalty\z@
18532     \else
18533         \@next\@currbox\@freelist{ }{}%
18534         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18535         {\@floatpenalty\z@
18536             \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
18537     \fi
18538     \@ifnextchar [\@LTRxmpar\@LTRympar}
18539 \long\def\@LTRxmpar[#1]#2{%
18540     \@LTRsavemarbox\@marbox{#1}%
18541     \@LTRsavemarbox\@currbox{#2}%
18542     \@xympar}
18543 \long\def\@LTRympar#1{%
18544     \@LTRsavemarbox\@marbox{#1}%
18545     \global\setbox\@currbox\copy\@marbox
18546     \@xympar}
18547 \long\def \@LTRsavemarbox #1#2{%
18548     \global\setbox #1%
18549         \color@vbox
18550         \vtop{%
18551             \hsize\marginparwidth
18552             \@parboxrestore
18553             \@LTRmarginparreset
18554             #2%
18555             \@minipagefalse
18556             \outer@nobreak
18557             }%
18558     \color@endbox
18559 }
18560 \def \@LTRmarginparreset {%
18561     \reset@font
18562     \normalsize

```



```

18563         \@minipagetrue
18564         \everypar{\@minipagefalse\everypar{}\beginL}%
18565 }
18566 \def\RTLmarginpar{%
18567   \ifhmode
18568     \@bsphack
18569     \@floatpenalty -\@Mii
18570   \else
18571     \@floatpenalty-\@Miii
18572   \fi
18573   \ifinner
18574     \@parmoderr
18575     \@floatpenalty\z@
18576   \else
18577     \@next\@currbox\@freelist{ }{}%
18578     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18579     {\@floatpenalty\z@
18580     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18581   \fi
18582   \ifnextchar [\@RTLxmpar\@RTLympar}
18583 \long\def\@RTLxmpar[#1]#2{%
18584   \@RTLSavemarbox\@marbox{#1}%
18585   \@RTLSavemarbox\@currbox{#2}%
18586   \@xympar}
18587 \long\def\@RTLympar#1{%
18588   \@RTLSavemarbox\@marbox{#1}%
18589   \global\setbox\@currbox\copy\@marbox
18590   \@xympar}
18591 \long\def \@RTLSavemarbox #1#2{%
18592   \global\setbox #1%
18593     \color@vbox
18594     \vtop{%
18595       \hsize\marginparwidth
18596       \@parboxrestore
18597       \@RTLmarginparreset
18598       #2%
18599       \@minipagefalse
18600       \outer@nobreak
18601     }%
18602   \color@endbox
18603 }
18604 \def \@RTLmarginparreset {%
18605   \reset@font
18606   \normalsize
18607   \@minipagetrue
18608   \everypar{\@minipagefalse\everypar{}\beginR}%
18609 }
18610 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
18611   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
18612   \if@twocolumn

```



```

18613     \if@firstcolumn \@tempcnta\m@ne \fi
18614 \else
18615     \if@mparswitch
18616         \ifodd\c@page \else\@tempcnta\m@ne \fi
18617     \fi
18618     \if@reversemargin \@tempcnta -\@tempcnta \fi
18619 \fi
18620 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
18621 \@tempdima\@parbottom
18622 \advance\@tempdima -\@pageht
18623 \advance\@tempdima\ht\@marbox
18624 \ifdim\@tempdima >\z@
18625     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
18626 \else
18627     \@tempdima\z@
18628 \fi
18629 \global\@parbottom\@pageht
18630 \global\advance\@parbottom\@tempdima
18631 \global\advance\@parbottom\dp\@marbox
18632 \global\advance\@parbottom\marginparpush
18633 \advance\@tempdima -\ht\@marbox
18634 \global\setbox \@marbox
18635         \vbox {\vskip \@tempdima
18636             \box \@marbox}%
18637 \global \ht\@marbox \z@
18638 \global \dp\@marbox \z@
18639 \kern -\@pagedp
18640 \nointerlineskip
18641 \hb@xt@\columnwidth
18642 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
18643     \hskip\columnwidth \hskip\marginparsep
18644     \else
18645         \hskip -\marginparsep \hskip -\marginparwidth
18646     \fi
18647     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
18648     \nointerlineskip
18649     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
18650 \long\def\@ympar#1{%
18651     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
18652     \global\setbox\@currbox\copy\@marbox
18653     \@xypar}
18654 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
18655 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
18656 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
18657 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
18658     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
18659 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
18660     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
18661     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
18662     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%

```




```

18663 \fi}
18664 \def\@outputpage{%
18665 \begingroup % the \endgroup is put in by \aftergroup
18666 \let \protect \noexpand
18667 \@resetactivechars
18668 \global\let\@if@newlist\if@newlist
18669 \global\@newlistfalse
18670 \@parboxrestore
18671 \shipout \vbox{%
18672 \set@typeset@protect
18673 \aftergroup \endgroup
18674 \aftergroup \set@typeset@protect
18675 % correct? or just restore by ending
18676 % the group?
18677 \if@specialpage
18678 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
18679 \fi
18680 \if@twoside
18681 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
18682 \let\@themargin\oddsidemargin
18683 \else \let\@thehead\@evenhead
18684 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
18685 \fi
18686 \ifx\@thehead\@empty \let\@thehead\hfil \fi
18687 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
18688 \else %% not @twoside
18689 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
18690 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
18691 \fi
18692 \reset@font
18693 \normalsize
18694 \normalsfcodes
18695 \let\label\@gobble
18696 \let\index\@gobble
18697 \let\glossary\@gobble
18698 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
18699 \@beginndvi
18700 \vskip \topmargin
18701 \moveright\@themargin \vbox {%
18702 \setbox\@tempboxa \vbox to\headheight{%
18703 \vfil
18704 \color@hbox
18705 \normalcolor
18706 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
18707 \color@endbox
18708 }% %% 22 Feb 87
18709 \dp\@tempboxa \z@
18710 \box\@tempboxa
18711 \vskip \headsep
18712 \box\@outputbox

```



```

18713     \baselineskip \footskip
18714     \color@hbox
18715         \normalcolor
18716     \hb@xt@\textwidth{\if@RTLmain@RTLtrue\beginR\else@RTLfalse\beginL\fi@thefoot\if@RTLma
18717     \color@endbox
18718     }%
18719     }%
18720 \global\let\if@newlist\@if@newlist
18721 \global \colht \textheight
18722 \stepcounter{page}%
18723 \let\firstmark\botmark
18724 }
18725 \long\def\@makecaption#1#2{%
18726     \vskip\abovecaptionskip
18727     \sbox\@tempboxa{#1: #2}%
18728     \ifdim \wd\@tempboxa >\hsize
18729         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
18730     \else
18731         \global \@minipagefalse
18732         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
18733     \fi
18734     \vskip\belowcaptionskip}
18735 \let\@bidi@saved@eqno=\eqno
18736 \let\@bidi@saved@leqno=\leqno
18737 \def\eqno{\ifnum\predisplaydirection<z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
18738 \def\leqno{\ifnum\predisplaydirection<z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
18739 \ifpackageloaded{amsmath}{}{
18740 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
18741 }
18742 \input{footnote-xetex-bidi.def}
18743 \if@twocolumn
18744     \let\autofooterule\relax
18745     \let\leftfootnoterule\relax
18746     \let\rightfootnoterule\relax
18747     \textwidthfootnoterule
18748 \fi
18749 \if@bidi@csundef{@idxitem}{}{%
18750 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
18751 }
18752 \ifclassloaded{article}{\ifclassloaded{svmult}{}{\input{article-xetex-bidi.def}}{}
18753 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
18754 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
18755 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
18756 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
18757 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
18758 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
18759 \ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
18760 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
18761 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
18762 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}

```



```

18763 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
18764 \@ifclassloaded{report}{\ifpackageloaded{flowfram}{\input{report-xetex-bidi.def}}{}
18765 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
18766 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
18767 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
18768 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
18769 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
18770 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
18771 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
18772 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
18773 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
18774 \@ifclassloaded{book}{\ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}
18775 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
18776 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
18777 \@ifpackageloaded{amsmath}{\%
18778 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
18779 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
18780 }
18781 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
18782 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
18783 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
18784 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
18785 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
18786 \@ifpackagewith{algorithm2e}{algonl}{\%
18787 \renewcommand{\theAlgoLine}{\expandafter\cename the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}{}
18788 }{}
18789 \@ifpackagewith{algorithm2e}{algopart}{\renewcommand{\algocf@within}{part}}{}
18790 \@ifpackagewith{algorithm2e}{algorithchapter}{\renewcommand{\algocf@within}{chapter}}{}
18791 \@ifpackagewith{algorithm2e}{algorithsection}{\renewcommand{\algocf@within}{section}}{}
18792 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
18793 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
18794 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
18795 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
18796 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
18797 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
18798 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
18799 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
18800 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
18801 \@ifpackageloaded{crop}{\ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}
18802 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
18803 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
18804 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
18805 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
18806 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
18807 \@ifpackageloaded{float}{\ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}
18808 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
18809 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
18810 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
18811 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
18812 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}

```



```

18813 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
18814 \@ifpackageloaded{nththeorem}{\input{nththeorem-xetex-bidi.def}}{}
18815 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
18816 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
18817 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
18818 \@ifpackageloaded{nththeorem-hyper}{\input{nththeorem-hyper-xetex-bidi.def}}{}
18819 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
18820 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
18821 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
18822 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
18823 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
18824 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
18825 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
18826 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
18827 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
18828 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
18829 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
18830 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
18831 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
18832 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
18833 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
18834 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
18835 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
18836 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
18837 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
18838 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
18839 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
18840 \@ifpackagewith{sidecap}{innercaption}{%
18841 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
18842 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}
18843 \renewcommand*\SC@justify@caption{%
18844 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
18845 \renewcommand*\SC@FLOAT}[2]{%
18846 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}}
18847 \renewcommand*\SC@justify@caption{%
18848 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
18849 }{}
18850 \@ifpackagewith{sidecap}{rightcaption}{%
18851 \if@RTL\renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
18852 \def\SC@justify@caption{\RaggedLeft}\else%
18853 \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
18854 \def\SC@justify@caption{\RaggedRight}\fi%
18855 }{}
18856 \@ifpackagewith{sidecap}{leftcaption}{%
18857 \if@RTL \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
18858 \def\SC@justify@caption{\RaggedRight}\else%
18859 \renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
18860 \def\SC@justify@caption{\RaggedLeft}\fi%
18861 }{}
18862 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}

```



```

18863 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
18864 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
18865 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
18866 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
18867 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
18868 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
18869 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
18870 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
18871 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
18872 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
18873 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
18874 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
18875 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
18876 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
18877 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
18878 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
18879 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
18880 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}}{\input{tocbibind-xetex-bidi.def}}{}
18881 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}}{\input{tocloft-xetex-bidi.def}}{}
18882 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
18883 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

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7.122 xltextra-xetex-bidi.def

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18884 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for XeTeX]
18885 \let\@XeTeX\XeTeX
18886 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
18887 \let\@XeLaTeX\XeLaTeX
18888 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

8 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in **roman** refer to the code lines where the entry is used.

	Symbols			
\#	2908, 2954, 3063, 3071		7658, 7931, 9866,	\@@@bidi@AfterClass
\%	..... 10620		13508, 14220,	..... 3314, 3319
\'	..... 10740,		14613, 14809,	\@@@bidi@AfterPackage
	12421, 14073, 14087		15011, 15480,	..... 3359, 3363
\,	..... 4632, 10817,	\/	16047, 16679, 17211	\@@LTR 13936,
	14651, 14694,	\;	1983	13938, 18196, 18198
	17851, 17862, 18238	\;	180, 199	\@@LaTeX ... 18201, 18202
\-	..... 10739,	\<	16864	\@@LaTeXe . 18203, 18204
	12420, 14072, 14086	\=	10740,	\@@RTL 13935,
\.	..... 89, 298, 797,		12421, 14073, 14087	13938, 18195, 18198
	928, 1190, 1439,	\>	16865	\@@TeX 13939,
	5822, 6009, 6320,	\@	2978	13940, 18199, 18200
		\@@	17045, 17047	\@@XeLaTeX 18887, 18888



\@XeTeX .. 18885, 18886	15173, 15677,	11413, 11607,
\@author 5245, 5248, 5251	15684, 16226,	11611, 11631,
\@bidi@AfterClass	16231, 16352,	11632, 12394,
..... 3313, 3330	16359, 17137,	12477, 13400,
\@bidi@AfterPackage	17139, 18308, 18437	13401, 13402,
..... 3358, 3373	\@protect 2839	15148, 15154,
\@bidi@PreventPackageFromLoadingptbox .. 12354,	\@startptbox .. 12354,	15528, 15529,
.. 3404, 3406, 3408	16941, 16980, 18431	15539, 15659,
\@clr .. 18046, 18051,	\@title 5244, 5247, 5250	15665, 16095,
18054, 18056,	\@tmp 18050,	16096, 16106,
18057, 18059,	18051, 18056,	16334, 16340,
18089, 18094,	18057, 18059,	16727, 16728,
18097, 18099,	18060, 18093,	16738, 17011, 17028
18100, 18102, 18121	18094, 18099,	\@LTRmarginparfalse
\@cls 18041, 18084	18100, 18102,	..... 18654, 18656
\@date 5246, 5249, 5252	18103, 18121, 18122	\@LTRmarginparreset
\@end 3152, 3153	\@underline .....	..... 18553, 18560
\@endpbox ... 12355,	18402, 18404, 18406	\@LTRmarginpartrue 18655
16941, 16980, 18431	\@DEBUGfalse 2333	\@LTRsavemarbox ...
\@ifnewlist . 10176,	\@False 6343, 6345	..... 18540,
10196, 18668, 18720	\@LTRbibitemfalse	18541, 18544, 18547
\@input 3212, 3229	..... 18252, 18254	\@LTRxmpar 18538, 18539
\@italiccorr . 338, 6364	\@LTRbibitemstrue 18253	\@LTRYmpar 18538, 18543
\@line 8172,	\@LTRbidituftesidenote@side@ote .. 6, 88, 101, 207,	231, 297, 770,
8176, 15037,	.. 4745, 4804, 4808	834, 858,
15046, 15084,	\@LTRbidituftesidenotemarginparreset	961, 1084, 1139,
15095, 18381,	..... 4383, 4390	1140, 1212, 1332,
18382, 18384,	\@LTRbidituftesidenotesavemarbox	1333, 1339, 1461,
18385, 18387, 18388	..... 4370,	2046, 2051, 4976,
\@makecaption	4371, 4374, 4377	5744, 5745, 5751,
.. 15522, 15601,	\@LTRbidituftesidenotexmpar	5864, 5920, 5921,
15623, 16089,	..... 4368, 4369	5927, 6040, 6090,
16168, 16190,	\@LTRbidituftesidenoteympar	6285, 6293, 6359,
16721, 16800, 16822	..... 4368, 4373	7626, 7639, 7895,
\@makefnmark . 15183,	\@LTRfootnotetext 62,	7904, 8172, 8176,
15185, 15694,	78, 151, 152,	9833, 9841, 10149,
15696, 16240,	153, 270, 287,	13269, 13281,
16241, 16369, 16371	2119, 2242, 4676,	13293, 14011,
\@math 6355	4757, 4764, 5480,	14119, 14120,
\@mix 18045, 18088	5491, 5704, 5718,	14144, 14253,
\@mod . 18046, 18050,	7250, 7251, 8010,	14392, 14515,
18051, 18054,	8066, 8073, 8187,	14568, 14569,
18055, 18056,	8336, 8478, 8627,	14629, 14630,
18059, 18089,	8776, 8925, 9074,	14983, 14991,
18093, 18094,	9223, 9372, 9563,	15418, 15951,
18097, 18098,	10416, 10422,	16599, 17036,
18099, 18102, 18121	10460, 10485,	17123, 17164,
\@par .. 12419, 14071,	10540, 10565,	17297, 17328,
14085, 14646,	10571, 11287,	17351, 17368,
14689, 15166,	11315, 11394,	



17385,	17402,	7648, 7918, 7980,	11629,	12395,
17419,	17436,	8012, 8027, 8040,	12478,	13404,
17454,	17473,	8198, 8208, 8243,	13405,	13406,
17493,	17528,	8255, 8347, 8356,	15149,	15158,
17667, 17781, 18462		8389, 8400, 8489,	15530,	15531,
\@MM	40, 53, 68, 249,	8499, 8534, 8546,	15541,	15660,
	262, 276, 7248,	8638, 8648, 8683,	15669,	16097,
	7269, 7316, 7323,	8695, 8787, 8797,	16098,	16108,
	7368, 7375, 8126,	8831, 8843, 8936,	16335,	16344,
	10434, 10450, 10465	8946, 8980, 8992,	16729,	16730,
\@Mi	2304, 6355	9085, 9095, 9130,	16740, 17012, 17029	
\@Mii	2195, 4311, 4355,	9142, 9234, 9244,	\@RTLmainfalse	1761,
	4399, 6781, 6790,	9279, 9291, 9383,		1765, 1863, 1867
	6800, 6945, 6954,	9393, 9428, 9440,	\@RTLmaintrue	1764, 1866
	6964, 18525, 18569	9538, 9549, 9856,	\@RTLmarginparfalse	
\@Miii	2197, 4313, 4357,	10430, 10461,	. . . . .	18655, 18656
	4401, 18527, 18571	10502, 10515,	\@RTLmarginparreset	
\@RTLfootnotefalse		11993, 12015,	. . . . .	18597, 18604
. . .	1806, 10259,	12019, 12026,	\@RTLmarginpartrue	18654
	10426, 13919,	12410, 13059,	\@RTLSavemarbox . . .	
	13924, 18179, 18184	13500, 13637,	. . . . .	18584,
\@RTLfootnotetrue		13685, 13883,		18585, 18588, 18591
. . .	1804, 10259,	13915, 13919,	\@RTLtabfalse	594,
	10425, 13921,	13924, 13960,		621, 1576, 2135,
	13923, 18181, 18183	14210, 14603,		2302, 6404,
\@RTLbitemfalse		14796, 14998,		16929, 16955,
.	18253, 18254	15459, 16026,		18225, 18235,
\@RTLbitemstrue	18252	16658, 17198,		18410, 18418, 18442
\@RTLbidituftesidenote@sidenote	18143, 18175,	18143, 18175,	\@RTLtabtrue	
. . .	4774, 4805, 4809	18179, 18184,		589, 2116, 2263,
\@RTLbidituftesidenotemarginparreset	1835, 18353,	18651, 18706, 18716		6381, 16922,
.	4427, 4434			18220, 18227, 18411
\@RTLbidituftesidenotesave@RTLfootnotetext	47,		\@RTLtrue	36, 49,
.	4414,	77, 155, 156,		84, 245, 258, 293,
	4415, 4418, 4421	157, 256, 286,		784, 918, 1180,
\@RTLbidituftesidenotexmpar		2120, 2243, 4693,		1429, 1780, 1786,
.	4412, 4413	4786, 4793, 5481,		2559, 5812, 5999,
\@RTLbidituftesidenoteympar		5492, 5705, 5719,		6307, 6364, 6366,
.	4412, 4417	7271, 7272, 7994,		7648, 7918, 7980,
\@RTLcolumnfootnotesfalse		8067, 8074, 8188,		7996, 8027, 8053,
.	8080	8337, 8479, 8628,		8198, 8218, 8243,
\@RTLcolumnfootnotestrue		8777, 8926, 9075,		8268, 8347, 8365,
.	8079	9224, 9373, 9564,		8389, 8412, 8489,
\@RTLfalse	36,	10407, 10413,		8509, 8534, 8559,
	64, 84, 245,	10445, 10484,		8638, 8658, 8683,
	272, 293, 784,	10541, 10580,		8708, 8787, 8807,
	918, 1180, 1429,	10586, 11286,		8831, 8856, 8936,
	1782, 1788, 2559,	11304, 11379,		8956, 8980, 9005,
	5812, 5999, 6307,	11414, 11606,		9085, 9105, 9130,
	6325, 6337, 6350,	11610, 11628,		9155, 9234, 9254,



9279, 9304, 9383,	10249,	10250,	12351, 16924,
9403, 9428, 9453,	10251,	10252,	18229, 18413, 18440
9538, 9549, 9856,	12041,	12946,	\@acolampacol . 1643,
10430, 10446,	12948,	12950,	1645, 1651, 1653
10489, 10515,	12952,	12954,	\@addamp 1644, 1652
11993, 12015,	12955,	12957,	\@addfield 18660
12026, 12413,	12958,	12959,	\@addmarginpar . . . 18610
13059, 13500,	13542,	13550,	\@address 2451, 7105,
13884, 13907,	13552,	14224,	7106, 7203, 7205
13921, 13923,	14225,	14226,	\@addresscolour 2420,
14210, 14603,	14227,	14228,	2437, 7104, 7202
14796, 14998,	14230,	14232,	\@addtofilelist . . .
15459, 16026,	14234,	14589,	. . . . . 3212, 3228
16658, 17198,	14590,	14591,	\@addtopreamble . . .
18144, 18167,	14592,	14593,	. . . 1616, 1679, 6429
18181, 18183,	14595,	14597,	\@addtoreset
18344, 18362,	14599,	14783,	. . . . 334, 10119,
18651, 18706, 18716	14785,	14787,	13540, 13546, 13548
\@RTLxmpar 18582, 18583	14788,	14789,	\@addviper 6728
\@RTLympar 18582, 18587	14790,	14791,	\@afterheading
\@SepMark . 19, 20, 21,	14792,	14964,	780, 2029, 2039,
22, 164, 220, 221,	14966,	14968,	7636, 7644, 12433
222, 223, 336,	14970,	14971,	\@afterindentfalse
345, 758, 759,	14972,	14973,	. 2029, 2039, 12432
760, 761, 911, 912,	14974,	15433,	\@afterindenttrue .
913, 914, 1164,	15434,	15436,	. . . . 858, 1084,
1165, 1166, 1167,	15438,	15440,	1339, 4975, 5751,
1422, 1423, 1424,	15968,	15971,	5927, 13268,
1425, 5837, 5838,	15973,	15977,	13280, 13292,
5839, 5840, 5841,	15979,	15981,	14144, 14515,
5843, 5845, 5847,	15983,	15987,	17296, 17327,
6013, 6014, 6015,	15989,	15995,	17350, 17367,
6016, 6017, 6019,	15997,	16003,	17384, 17401,
6021, 6023, 6264,	16005,	16616,	17418, 17435,
6266, 6268, 6270,	16618,	16621,	17453, 17472,
6271, 6272, 6273,	16623,	16625,	17492, 17527,
6274, 7758, 7759,	16627,	16630,	17660, 17780, 18461
7760, 7761, 7874,	16634,	16638,	\@algocf@finish . . . 186
7876, 7878, 7880,	17271, 17515,		\@algocf@post@boxed 168
7881, 7882, 7883,	18249, 18251, 18787		\@algocf@post@boxruled
7884, 9958, 9959,	\@True . 6338, 6344, 6376		. . . . . 170
9960, 9961, 9962,	\@Undottedtocline 13276		\@algocf@pre@boxed 167
9964, 9966, 9968,	\@Undottedtoclinep 13288		\@algocf@pre@boxruled
10116, 10122,	\@acci 10740,		. . . . . 169
10229, 10231,	12421, 14073, 14087		\@algocf@start 171
10233, 10235,	\@accii 10740,		\@algorithmskip 183, 187
10236, 10237,	12421, 14073, 14087		\@algoskip 172, 195
10238, 10239,	\@acciii 10740,		\@ampacol . . . 1643, 1651
10242, 10244,	12421, 14073, 14087		\@anim@animategraphics
10246, 10248,	\@acol 1645, 1653, 2128,		. . . . . 487, 488



<code>\@anim@animateinline</code>	443, 444,	9864, 9958, 9959,
..... 561, 562	445, 447, 450, 531	9960, 9961, 9962,
<code>\@anim@base</code>	<code>\@anim@num</code>	9964, 9966, 9968,
. 395, 399, 428, 461	.. 439, 440, 456,	10229, 10231,
<code>\@anim@beginframe</code> . 536	464, 476, 478,	10233, 10234,
<code>\@anim@bgcolour</code> ...	484, 526, 527,	10235, 10236,
..... 438, 440,	540, 550, 552, 558	10237, 10238,
479, 525, 527, 553	<code>\@anim@numtemplate</code>	10239, 10242,
<code>\@anim@box</code> .....	..... 413, 417, 461	10244, 10246,
431	<code>\@anim@pad</code>	10247, 10248,
<code>\@anim@buildtln</code> 476, 550	<code>\@anim@pathtofile</code> .	10249, 10250,
<code>\@anim@checkmultipage</code>	. 425, 429, 457, 465	10251, 10252,
..... 399	<code>\@anim@processfpsarg</code>	12041, 12043,
<code>\@anim@curframe</code> 419,	..... 532	12946, 12948,
453, 457, 461, 467	<code>\@anim@relop</code> 412, 416, 453	12950, 12952,
<code>\@anim@curframe@zb</code>	<code>\@anim@reset</code> ... 375, 499	12954, 12957,
..... 420, 456,	<code>\@anim@sanitizeColon</code>	12958, 12959,
464, 468, 470,	..... 488, 562	14211, 14218,
519, 540, 542, 544	<code>\@anim@sanitizeJS</code> .	14224, 14225,
<code>\@anim@draftbox</code> ... 433	..... 475, 549	14226, 14227,
<code>\@anim@endframe</code> ... 540	<code>\@anim@scale</code>	14228, 14230,
<code>\@anim@endsanitize</code>	<code>\@anim@skipfram</code> ... 520	14232, 14234,
. 356, 480, 496, 554	<code>\@anim@tmpcnt</code> 471, 472,	14589, 14590,
<code>\@anim@every</code> ... 415, 467	473, 545, 546, 547	14591, 14592,
<code>\@anim@fgcolour</code> ...	<code>\@anim@ximage</code> .. 456, 464	14593, 14595,
..... 438, 440,	<code>\@arabic</code>	14597, 14599,
479, 525, 527, 553	758, 759, 760,	14604, 14611,
<code>\@anim@fields</code>	761, 785, 792, 911,	14783, 14785,
..... 12800, 12887	912, 913, 914, 919,	14787, 14788,
<code>\@anim@filebox</code> . 425, 429	926, 1164, 1165,	14789, 14790,
<code>\@anim@first</code>	1166, 1167, 1181,	14791, 14792,
.. 396, 406, 413,	1188, 1422, 1423,	14797, 14804,
414, 419, 425, 428	1424, 1425, 1430,	14964, 14966,
<code>\@anim@fps</code>	1437, 2570, 5813,	14968, 14969,
450	5820, 5837, 5838,	14970, 14971,
<code>\@anim@frames</code>	5839, 5840, 5841,	14972, 14973,
. 470, 471, 544, 545	5843, 5845, 5847,	14974, 14999,
<code>\@anim@ftype</code> 399, 428, 462	6000, 6007, 6013,	15006, 15434,
<code>\@anim@getkeyval</code> 479, 553	6014, 6015, 6016,	15436, 15438,
<code>\@anim@getpath</code> . 428, 460	6017, 6019, 6021,	15440, 15461,
<code>\@anim@insertwidgets</code>	6023, 6264, 6266,	15477, 15975,
..... 478, 552	6268, 6269, 6270,	15977, 15979,
<code>\@anim@label</code> ... 389, 513	6271, 6272, 6273,	15981, 15983,
<code>\@anim@last</code> ... 397,	6274, 6308, 6315,	15991, 15999,
406, 414, 417, 453	7649, 7656, 7758,	16007, 16028,
<code>\@anim@makebuttons</code>	7759, 7760, 7761,	16044, 16619,
..... 439, 526	7874, 7876, 7878,	16621, 16623,
<code>\@anim@maxframe</code> 473, 547	7879, 7880, 7881,	16625, 16627,
<code>\@anim@missing</code>	7882, 7883, 7884,	16631, 16635,
..... 365, 368, 370	7919, 7926, 9857,	16639, 16660,
<code>\@anim@newkey</code> .. 440, 527		



	16676, 17199, 17206	15240, 15303,	\@bidi@list@minipage@parbox@not@nobtrue
\@argdef	..... 2799	15354, 15751,	..... 10529, 18305
\@array	596, 617, 1578,	15814, 15865,	\@bidi@list@minipage@parboxtrue
	1579, 16963, 18420	16426, 16489, 16540	..... 10530, 18306
\@arrayacol	..... 18440	\@auxout	.... 2286, 5651
\@arrayclassiv	... 18441	\@badmath	.. 10081, 10095
\@arrayclassz	.....	\@begin@tempboxa	..
	. 1643, 16967, 18440		10913, 10920, 18308
\@arraycr	616, 12360, 18442	\@begin@dvi	. 10147, 18699
\@arrayleft	..... 609	\@begin@parpenalty	..
\@arrayparboxrestore			..... 2042,
	12397, 14068, 14082		2051, 10084, 10098
\@arrayright	..... 618	\@bib@break	.....
\@arrayrule	.....		15454, 16021, 16653
	1598, 1599, 1600,	\@biblabel	..... 85,
	1636, 1637, 1638		294, 785, 786,
\@arstdepth	.....		919, 920, 1181,
	16960, 16965, 16983		1182, 1430, 1431,
\@arstheight	16965, 16983		5813, 5814, 6000,
\@arstrut	..... 606,		6001, 6308, 6309,
	12374, 16940, 18430		7649, 7650, 7919,
\@arstrutbox	... 599,		7920, 9857, 9858,
	12362, 12398,		13501, 14211,
	16933, 16975,		14212, 14604,
	16979, 16983, 18423		14605, 14797,
\@author	640, 654, 690,		14798, 14999,
	711, 972, 974, 992,		15000, 15461,
	1037, 1056, 1223,		15463, 16028,
	1225, 1243, 1288,		16030, 16660,
	1307, 1472, 1474,		16662, 17199, 17200
	1492, 1537, 1557,	\@bibsetup	..... 13501
	1568, 1928, 5177,	\@bibtitlestyle	. 81, 290
	5179, 5248, 5875,	\@bidi@AfterClass	..
	5877, 5895, 6051,		..... 3314,
	6053, 6071, 6146,		3335, 3340, 3347
	6160, 6196, 6217,	\@bidi@AfterPackage	.....
	7685, 7697, 7731,		..... 3359,
	7750, 7780, 7794,		3378, 3382, 3389
	7830, 7851, 9885,	\@bidi@PreventPackageFromLoading	..
	9897, 9931, 9950,		.. 3399, 3400, 3402
	12915, 14264,	\@bidi@UnPreventPackageFromLoading	..
	14266, 14284,		.. 3491, 3492, 3495
	14329, 14348,	\@bidi@emptytoks	..
	14403, 14405,		.. 2594, 2599, 2623
	14425, 14472,	\@bidi@envbody	2593,
	14494, 14505,		2595, 2597,
	14660, 14674,		2598, 2599, 2619,
	14715, 14736,		2621, 2622, 2623
	14846, 14860,	\@bidi@info	1714, 1737,
	14896, 14917,		1739, 1831, 1854, 1856
			\@bidi@list@minipage@parbox@not@nobtrue
			..... 10529, 18305
			\@bidi@list@minipage@parboxtrue
			..... 10530, 18306
			\@bidi@list@makecaption
			.. 11991, 12006,
			12007, 12033, 12035
			\@bidi@mdf@RTLtrue 12409
			\@bidi@removefromreset
			.. 2688, 2689, 2691
			\@bidi@replacefilewithtext
			.. 3276, 3280, 3283
			\@bidi@saveprimitive
			..... 2581
			\@bidi@tabular@RTLcases
			18218, 18220, 18227
			\@bidi@todonotes@align
			..... 17827,
			17828, 17860,
			17901, 17904,
			17907, 17910,
			17935, 17940, 17941
			\@bidi@todonotes@figcaption@rightfalse
			..... 17842
			\@bidi@todonotes@figcaption@righttrue
			..... 17840
			\@bidi@todonotes@textdirection
			.. 17829, 17833,
			17836, 17940, 17941
			\@bidi@todonotes@textdirection@RTLfalse
			..... 17835
			\@bidi@todonotes@textdirection@RTLtrue
			..... 17832
			\@bidi@unreplacefilewithtext
			.. 3285, 3291, 3294
			\@bideclaredcolor
			..... 6481,
			6488, 18081, 18110
			\@bidi@tufte@RTL@sidenote@citation@font
			.. 4444, 4448, 4549
			\@bidi@tufte@RTL@sidenote@normal@cite
			.. 4543, 4622,
			4739, 4768, 4797,
			4819, 4828, 4837
			\@bidi@tufte@RTL@sidenote@normal@cite
			.. 4562, 4623,
			4740, 4769, 4798,
			4820, 4829, 4838
			\@bidi@tufte@float@caption
			..... 3922, 3955



\@bidituftefloat@caption@float@margin@float@box	4593, 4602,
..... 3914,	.. 3878, 3881, 3892
3973, 3984, 3985,	\@bidituftefloat@margin@par
4008, 4243, 4248	..... 3800, 3887
\@bidituftefloat@caption@float@margin@font	\@bidituftefloat@margin@font
..... 3863,	..... 3827, 3828
3872, 3873, 4248	\@bidituftefloat@orig@caption
\@bidituftefloat@caption@font	.. 3953, 3975, 4005
..... 3828,	\@bidituftefloat@orig@endfloat
3829, 3883, 4074,	.. 3916, 3988, 4239
4245, 4251, 4264	\@bidituftefloat@orig@float
\@bidituftefloat@caption@justification	.. 3915, 3962, 4238
.. 3761, 3886, 4074	\@bidituftefloat@orig@label
\@bidituftefloat@caption@vertical@offset	.. 3954,
3917, 3918, 3926,	3960, 3976, 4006
3984, 3985, 4012	\@bidituftefloat@overhang
\@bidituftefloat@checkoddpages	..... 3861,
..... 3845, 3942	3865, 3866, 4058,
\@bidituftefloat@figure@box	4059, 4098, 4099
.. 3913, 3966,	\@bidituftefloat@pkgnames
3984, 3985, 4007	.. 3735, 3736, 3738
\@bidituftefloat@float@contents@width	\@bidituftefloat@stored@caption
..... 3934,	..... 3920,
3964, 3965, 3967	3927, 3975, 4010
\@bidituftefloat@float@debug	\@bidituftefloat@stored@label
3903, 3909, 3911,	3921, 3930, 3976,
3912, 3944, 3945,	3992, 3994, 4011
3948, 3950, 3951,	\@bidituftefloat@stored@show@captions
4022, 4029, 4036,	.. 3919, 3924,
4037, 4040, 4041	3925, 3975, 4009
\@bidituftefloat@float@debug@info	\@bidituftegeneralstructure@reset@par
..... 3902,	..... 5021, 5027
3904, 3905,	\@biditufteheading@newlinetospace
3906, 3997, 4004	..... 4080, 4089
\@bidituftefloat@float@fullwidth	\@biditufteheading@newlinetospace@i
..... 3984, 4032	..... 4081, 4083
\@bidituftefloat@float@textwidth	\@biditufteheading@orig@cr
..... 3985, 4014	..... 4088, 4092
\@bidituftefloat@fps	\@bidituftefloat@textwidth
..... 3932, 3947	..... 4584, 4617
\@bidituftefloat@fullwidth	\@bidituftefloat@textwidth
.. 3862, 3868,	..... 4642, 4650
3869, 3870, 3964	\@bidituftefloat@fullwidth
\@bidituftefloat@justification	.. 4443, 4447,
..... 3830	4720, 4722, 4728,
\@bidituftefloat@justification@autodetect	.. 4443, 4447,
..... 3761, 3900	4735, 4749, 4751,
\@bidituftefloat@label	4757, 4764, 4778,
..... 3929, 3956	\@bidituftefloat@justification
	4530, 4568, 4596
	..... 3830
	\@bidituftefloat@justification@autodetect
	4451, 4597
	..... 3761, 3900
	\@bidituftefloat@label
	..... 4583,
	4585, 4586, 4588,
	.. 4498, 4501, 4506



<code>\@bidityftesidenote@trim@spaces</code>	17440, 17458, 4483, 4486, 4535, 4537, 4554, 4556, 4573, 4575, 4605, 4607	<code>\@cftasnumb</code>	.. 17302, 17333, 17356, 17373, 17390,	<code>\@cliptoboxdim</code>	... 17094
<code>\@bidityftesidenotemarginparreset</code>	17407, 17424, 4339, 4346	<code>\@cftasnumb</code>	17331, 17354, 17371, 17388, 17405, 17422, 17439, 17457, 17476, 17496, 17531	<code>\@clsextension</code>	3283, 3294, 3310, 3320, 3329, 3332, 3341
<code>\@bidityftesidenotesavemarginparbox</code>	17478, 17498, 17533 4326, 4327, 4330, 4333	<code>\@cftbsnum</code>	... 17300, 17331, 17354, 17371, 17388, 17405, 17422, 17439, 17457, 17476, 17496, 17531	<code>\@clubpenalty</code>	..... 795, 6318, 7929, 14807, 15009, 17209
<code>\@bidityftesidenotexmpar</code>	..... 4324, 4325	<code>\@cftdopartfalse</code>	. 17274	<code>\@colht</code>	..... 2319, 2320, 6805, 6806, 6816, 6817, 6824, 6839, 6873, 6876, 6898, 6899, 6958, 6970, 6971, 6981, 6982, 6989, 7006, 7010, 9755, 10170, 13066, 13069, 13071, 13073, 13078, 13079, 13080, 13099, 13100, 13101, 13105, 13148, 13151, 13153, 13155, 13160, 13161, 13162, 13181, 13182, 13183, 13187, 18721
<code>\@bidityftesidenoteympar</code>	..... 4324, 4329	<code>\@cftdoparttrue</code>	...	<code>\@colourfalse</code>	.... 2363
<code>\@bidityftetoc@lof@line</code>	..... 4968, 4984	<code>\@cftl@subfig</code>	.... 17465	<code>\@colourgreenfalse</code>	..... 7023, 7121
<code>\@bidityftetoc@pkgname</code>	..... 4844, 4845	<code>\@cftl@subtab</code>	.... 17485	<code>\@colourgreentruer</code>	..... 7024, 7122
<code>\@bidiundeclaredcolor</code>	.... 6481, 6482, 18081, 18082, 18121	<code>\@chapapp</code>	6085, 6280, 7890, 9829, 14979	<code>\@colourgreyfalse</code>	..... 7027, 7125
<code>\@bscontmark</code>	.... 12938	<code>\@chapterlistsgap@off</code>	..... 13534	<code>\@colourgreytrue</code>	..
<code>\@bsmarkseries</code>	... 12919	<code>\@chapterlistsgap@on</code>	..... 13541, 13549	<code>\@colourorangefalse</code>	..... 7021, 7119
<code>\@bsmtitleempty</code>	... 12907	<code>\@chclass</code>	.. 564, 576, 587, 1585, 1597, 1610, 1630, 1635, 17064, 17080, 17091, 18443, 18448	<code>\@colourorangetruer</code>	..... 7022, 7120
<code>\@bsphack</code>	..... 2194, 4310, 4354, 4398, 18524, 18568	<code>\@checkend</code>	... 2612, 2636, 3569, 3570	<code>\@colouredfalse</code>	..
<code>\@bsthanksheadpost</code>	12921	<code>\@chnum</code>	565, 572, 583, 1586, 1593, 1606, 1616, 1632, 1633, 1634, 1647, 1655, 1681, 6431, 17065, 17072, 17087, 18445, 18446, 18447	<code>\@colouredredfalse</code>	..... 7025, 7123
<code>\@bsthanksheadpre</code>	12921	<code>\@circlefnt</code>	..... 9987	<code>\@colouredredtrue</code>	...
<code>\@caption</code>	..... . 4065, 13041, 13044	<code>\@classiv</code>	.... 2130, 12352, 16926, 18231, 18415, 18441	<code>\@colourtrue</code>	..... 2362
<code>\@captionabovefalse</code>	15641, 16208, 16840	<code>\@classx</code>	1613, 1672, 6425	<code>\@colroom</code>	.... 2319, 2328, 6794, 6817, 6820, 6822, 6823, 6982, 6985, 6987, 6988, 7283, 7340
<code>\@captionabovetrue</code>	15639, 16206, 16838	<code>\@classz</code>	.. 1613, 1672, 1706, 1707, 2129, 6425, 12352, 16925, 16967, 18230, 18414, 18440		
<code>\@capttype</code>	.... 2133, 2182, 2230, 3884, 13034, 13038, 13041, 15021, 15064	<code>\@clearartopmattertags</code>	125		
<code>\@cclv</code>	... 2308, 2313, 2325, 7283, 7340, 9765, 9766, 9783				
<code>\@centercr</code>	5049, 14019, 14032, 14045, 17116, 17145, 18371				
<code>\@cftasnum</code>	... 17301, 17332, 17355, 17372, 17389, 17406, 17423,				



<code>\@combinedblfloats</code>	<code>\@currentHlabel</code> . . .	2602, 2622, 2625, 2626, 2653, 18327
. . . 6670, 6709, 10038, 10070, 10151, 10779, 10803, 13128, 13207, 18486, 18508	. 11372, 11387, 11402	
<code>\@combinefloats</code> . . 9750	<code>\@currentHref</code>	<code>\@currneline</code> . . . 18328
<code>\@compactenum@</code> . . . 5031	. . 11373, 11388, 11403, 11462, 11500, 11533, 11564, 11595, 11817, 11828, 11830	<code>\@currlist</code> 18610
<code>\@cons</code> 18610, 18611	<code>\@currentlabel</code> . . 42, 55, 70, 251, 264, 278, 4666, 4683, 4700, 7986, 8002, 8018, 8031, 8044, 8057, 8202, 8212, 8222, 8248, 8261, 8273, 8300, 8313, 8351, 8360, 8369, 8394, 8406, 8417, 8443, 8455, 8493, 8503, 8513, 8539, 8552, 8564, 8591, 8604, 8642, 8652, 8662, 8688, 8701, 8713, 8740, 8753, 8791, 8801, 8811, 8837, 8850, 8862, 8889, 8902, 8940, 8950, 8960, 8986, 8999, 9011, 9038, 9051, 9089, 9099, 9109, 9135, 9148, 9160, 9187, 9200, 9238, 9248, 9258, 9284, 9297, 9309, 9336, 9349, 9387, 9397, 9407, 9433, 9446, 9458, 9485, 9498, 9585, 9597, 9609, 9635, 9649, 9663, 9698, 9712, 10436, 10452, 10467, 10494, 10507, 10520	<code>\@cvtheme</code> . . . 2443, 2446
<code>\@contcshortstyle</code> 12989	<code>\@currentlabelname</code> 11374, 11389, 11404, 11463, 11501, 11534, 11565, 11596	<code>\@cvthemeoptions</code> 2444, 2446
<code>\@contcstyle</code> 12994, 13000, 13005	<code>\@currenvir</code> 2598, 2601,	<code>\@date</code> 643, 655, 691, 714, 980, 982, 994, 1039, 1059, 1231, 1233, 1245, 1290, 1310, 1480, 1482, 1494, 1539, 1560, 1569, 1929, 5195, 5249, 5883, 5885, 5897, 6059, 6061, 6073, 6149, 6161, 6197, 6220, 7688, 7698, 7732, 7753, 7783, 7795, 7831, 7854, 7938, 7943, 9888, 9898, 9932, 9953, 11844, 11849, 12916, 14272, 14274, 14286, 14331, 14351, 14411, 14413, 14427, 14474, 14497, 14506, 14663, 14675, 14716, 14738, 14849, 14861, 14897, 14920, 15244, 15304, 15358, 15755, 15815, 15869, 16312, 16313, 16316, 16321, 16430, 16490, 16544
<code>\@contcwidth</code> 12983, 12984		<code>\@datefield</code> 16252
<code>\@contdelim</code> 12977, 12988, 12992, 12999, 13004		<code>\@dblarg</code> 13041
<code>\@contfield</code> 5668, 5683, 5715		<code>\@dblfloatplacement</code> 6671, 6712, 10039, 10074, 10158, 10781, 10805, 13131, 13210, 18487, 18511
<code>\@contfinal</code> 12977, 12989, 12995, 13001, 13005		
<code>\@contfmark</code> 12976, 12979		
<code>\@contfnote</code> 12975, 12978		
<code>\@contindw</code> 13000		
<code>\@contnfont</code> 12977, 12988, 12992, 12999, 13004		
<code>\@contpost</code> 13009		
<code>\@contpre</code> 12987, 12993, 12998, 13003		
<code>\@conttfont</code> 12977, 12989, 12995, 13001, 13005		
<code>\@curfield</code> . . . 5667, 5682, 5702, 5716, 5726, 18660		
<code>\@curline</code> 5665, 5680, 18660, 18662		
<code>\@currbox</code> 2202, 2233, 2237, 4275, 4278, 4319, 4322, 4327, 4331, 4363, 4366, 4371, 4375, 4407, 4410, 4415, 4419, 18533, 18536, 18541, 18545, 18577, 18580, 18585, 18589, 18611, 18620, 18652		



<code>\@declaredcolor</code> 6466, 6467, 18038, 18061	<code>\@eightcolRTLfootnotetext</code> 9075, 9105	5177, 5244, 5245, 5246, 5819, 5894, 5895, 5896, 5897, 6006, 6070, 6071, 6072, 6073, 6159, 6160, 6161, 6162, 6195, 6196, 6197, 6198, 6314, 6340, 7310, 7362, 7655, 7696, 7697, 7698, 7699, 7730, 7731, 7732, 7733, 7793, 7794, 7795, 7796, 7829, 7830, 7831, 7832, 7925, 7936, 7952, 7956, 9581, 9593, 9605, 9630, 9644, 9658, 9749, 9863, 9896, 9897, 9898, 9899, 9930, 9931, 9932, 9933, 10022, 10054, 10576, 10591, 10810, 10811, 10812, 10813, 10814, 11374, 11389, 11404, 11463, 11501, 11534, 11565, 11596, 11842, 12010, 12016, 12033, 12035, 12378, 12913, 12914, 12915, 12916, 13528, 13977, 14217, 14283, 14284, 14285, 14286, 14328, 14329, 14330, 14331, 14424, 14425, 14426, 14427, 14471, 14472, 14473, 14474, 14610, 14673, 14674, 14675, 14676, 14714, 14715, 14716, 14717, 14803, 14859, 14860,
<code>\@dedication</code>	<code>\@eightcolfootfmt</code> . .. 9092, 9120, 9138	
.. 15260, 15262, 15313, 15361, 15363, 15771, 15773, 15824, 15872, 15874, 16446, 16448, 16499, 16547, 16549	<code>\@eightcolfootnotetext</code> 9073, 9085	
<code>\@dedicatory</code>	<code>\@elt</code>	
325	..... 2690, 2693, 4163, 4164, 4165, 4166, 4167, 4168, 4169, 4170, 4171, 4172, 4173, 4174, 4204, 4205, 4206, 4207, 4208, 4209, 4210, 4211, 4212, 4213, 4214, 4215, 4216, 4217, 4218, 4219, 4220, 4221, 6376, 7249, 7270, 7276, 7311, 7313, 7315, 7321, 7333, 7363, 7365, 7367, 7373, 16995, 16997	
<code>\@defaultskiptotal</code> 198	<code>\@email</code> . 2455, 7111, 7209	
<code>\@definitionfileextension</code> 2667, 2670	<code>\@emathdisplay</code> . 184, 200	
<code>\@depth</code> .. 601, 12364, 16905, 16935, 16976, 18425, 18649	<code>\@empty</code>	
<code>\@dgroup</code>	83, 111, 130, 132, 292, 444, 616, 653, 654, 655, 656, 689, 690, 691, 692, 791, 925, 991, 992, 993, 994, 1036, 1037, 1038, 1039, 1187, 1242, 1243, 1244, 1245, 1287, 1288, 1289, 1290, 1436, 1491, 1492, 1493, 1494, 1536, 1537, 1538, 1539, 1927, 1928, 1929, 1930, 2189, 2569, 2578, 2610, 2634, 3396, 3409, 3410, 3416, 3439, 3469, 3477, 3496, 3499, 3510, 3514, 3524, 3530, 3531, 3532, 3545, 3557, 3561, 3628, 3639, 4526, 4545, 4564, 4585, 4592,	
<code>\@dischlyph</code> ... 10739, 12420, 14072, 14086	<code>\@displaypagenumbersfalse</code> 2542	
<code>\@displaypagenumbersfalse</code> 2542	<code>\@displaypagenumberstrue</code> 2541	
<code>\@dmath</code>	<code>\@dmath</code>	
6325, 6354	6325, 6354	
<code>\@docolbox</code>	<code>\@dodynamicthefoot</code> 10148	
10209	<code>\@dodynamicthehead</code> 10148	
<code>\@dodynamicthefoot</code> 10148	<code>\@dofilelist</code>	
<code>\@dodynamicthehead</code> 10148	.. 3580, 3581, 3583	
<code>\@dofilelist</code>	<code>\@dotsep</code>	
.. 3580, 3581, 3583	..... 17678, 17679, 17787, 18468	
<code>\@dotsep</code>	<code>\@dottedtocline</code> ...	
..... 17678, 17679, 17787, 18468	.. 17793, 17794, 17796, 17814, 18457	
<code>\@dottedtocline</code> ...	<code>\@dseries</code>	
.. 17793, 17794, 17796, 17814, 18457	..... 6350	
<code>\@dseries</code>	<code>\@eha</code>	
..... 6350	..... 2589, 17519	
<code>\@eha</code>	<code>\@ehc</code>	
..... 2589, 17519	..... 2272, 2306, 2815, 3772, 3774, 4473, 4475, 11980, 13251, 13257	
<code>\@ehc</code>	<code>\@ehd</code>	
..... 2272, 2306, 2815, 3772, 3774, 4473, 4475, 11980, 13251, 13257	..... 13035	
<code>\@ehd</code>	<code>\@eightcol@footgroupv@r</code> 9079	
..... 13035	<code>\@eightcolLTRfootfmt</code> 9102, 9123, 9151	
<code>\@eightcol@footgroupv@r</code> 9079	<code>\@eightcolLTRfootnotetext</code> 9074, 9095	
<code>\@eightcolLTRfootfmt</code> 9102, 9123, 9151	<code>\@eightcolRTLfootfmt</code> 9112, 9126, 9163	
<code>\@eightcolLTRfootnotetext</code> 9074, 9095		
<code>\@eightcolRTLfootfmt</code> 9112, 9126, 9163		



14861,	14862,	16497,	16498,	\@ensure@maindir ..
14895,	14896,	16499,	16517,	..... 13934, 18194
14897,	14898,	16521,	16529,	\@enumctr ... 5032, 5033
15005,	15165,	16535,	16547,	\@eqnnum
15218,	15223,	16561,	16591,	10106, 11838, 18740
15230,	15236,	16645,	16675,	\@evenfoot
15260,	15302,	16700,	16701,	.. 1891, 10141, 18684
15303,	15304,	16863,	16982,	\@evenhead . 10140, 18683
15305,	15306,	17030,	17205,	\@expandtwoargs .. 3515
15307,	15308,	17505,	17507,	\@extrafootnotefeaturesfalse
15309,	15310,	18041,	18044,	..... 1818
15311,	15312,	18084,	18087,	\@extrafootnotefeaturestrue
15313,	15331,	18218,	18433,	..... 1816
15335,	15343,	18442,	18686,	\@extrainfo
15349,	15361,	18687, 18689, 18690		... 2456, 7112, 7210
15375,	15410,	\@emptycol 6809, 6812,		\@extratitle
15447,	15476,	6828, 6831, 6974,		.. 15218, 15219,
15501,	15502,	6977, 6993, 6996		15307, 15331,
15676,	15729,	\@emptytoks 6339		15332, 15729,
15734,	15741,	\@end@tempboxa		15730, 15818,
15747,	15771,	10918, 10935, 18321		15842, 15843,
15813,	15814,	\@endalgoln	180	16404, 16405,
15815,	15816,	\@endfloatbox	2254	16493, 16517, 16518
15817,	15818,	\@endmodernpoem ...		\@familyname .. 2388,
15819,	15820,	..... 5678, 5698		2390, 2391, 2449,
15821,	15822,	\@endparenv .. 5582,		7086, 7176, 7197
15823,	15824,	5695, 13575, 13595		\@familynamecolour
15842,	15846,	\@endparpenalty 2046,		..... 2418, 2435
15854,	15860,	2055, 10085, 10099		\@fancyfoot 10005
15872,	15886,	\@endpbox		\@fancyhead 10000
15913,	15943,	1623, 1624, 1665,		\@fancyvbox 10001, 10006
16013,	16043,	1689, 1690, 1691,		\@fax ... 2454, 7110, 7208
16068,	16069,	6439, 6440, 6441,		\@ff@do@allframes .
16225,	16253,	12349, 12355,		..... 10150, 10155
16254,	16255,	16941, 16980, 18431		\@ff@fbbox
16256,	16257,	\@endpefalse	18330	\@ff@setoffset ... 10215
16258,	16259,	\@endtraditionalpoem		\@ffbackground .. 10205
16260,	16264,	..... 5562, 5634		\@filebordercolor .
16270,	16276,	\@ensure@LR 13932, 18192		..... 11675, 11677
16282,	16288,	\@ensure@LTR .. 13930,		\@filecolor
16294,	16300,	13932, 13940,		11693
16306,	16312,	18190, 18192,		\@filef@und . 3212, 3229
16321,	16351,	18200, 18202,		\@finalstrut
16404,	16409,	18204, 18886, 18888		... 7991, 8007,
16416,	16422,	\@ensure@RL 13931, 18191		8023, 8037, 8050,
16446,	16488,	\@ensure@RTL .. 13929,		8063, 10441,
16489,	16490,	13931, 18189, 18191		10457, 10472,
16491,	16492,	\@ensure@dir .. 13933,		10498, 10511, 10524
16493,	16494,	13934, 18193, 18194		\@firstampfalse ...
16495,	16496,			..... 1645, 1653



\@firstcolfirstmark	\@fivecolLTRfootfmt	4764, 4786, 4793,
..... 10021,	.. 8655, 8676, 8704	5616, 5623, 5630,
10022, 10026,	\@fivecolLTRfootnotetext	10407, 10413,
10053, 10054, 10058	..... 8627, 8648	10416, 10422,
\@firstcoltopmark .	\@fivecolRTLfootfmt	11415, 11604,
..... 10019,	.. 8665, 8679, 8716	11608, 11622, 11623
10027, 10051, 10059	\@fivecolRTLfootnotetext	\@footnotetext .. 34,
\@firstcolumnfalse	..... 8628, 8658	76, 147, 148,
6650, 6686, 7014,	\@fivecolfootfmt ..	149, 243, 285,
10013, 10045,	.. 8645, 8673, 8691	2118, 2241, 4659,
10165, 10767,	\@fivecolfootnotetext	4728, 4735, 5479,
10787, 13064,	..... 8626, 8638	5490, 5703, 5717,
13146, 18475, 18493	\@float 3915, 4238	7229, 7230, 7978,
\@firstcolumntrue .	\@floatboxreset .. 2252	8065, 8072, 8186,
..... 6653,	\@floatpenalty	8335, 8477, 8626,
6689, 6968,	.... 2195, 2197,	8775, 8924, 9073,
10029, 10062,	2200, 4311, 4313,	9222, 9371, 9562,
10129, 10772,	4317, 4321, 4355,	10429, 10483,
10792, 13108,	4357, 4361, 4365,	10539, 11285,
13190, 18477, 18496	4399, 4401, 4405,	11293, 11364,
\@firstdetailselementfalse	4409, 18525,	11412, 11605,
..... 7191	18527, 18531,	11609, 11625,
\@firstdetailselementtrue	18535, 18569,	11626, 12393,
..... 7188	18571, 18575, 18579	12476, 13396,
\@firstfooterelementfalse	\@fltovf 2235,	13397, 13398,
.... 7107, 7108,	4322, 4366,	15147, 15150,
7109, 7110, 7111, 7112	4410, 18536, 18580	15526, 15527,
\@firstfooterelementtrue	\@flushglue .. 5464,	15537, 15658,
..... 7092	5465, 12426,	15661, 16093,
\@firstname .. 2388,	14079, 14772, 18371	16094, 16104,
2390, 2391, 2448,	\@fnsymbol 665, 955,	16333, 16336,
7086, 7176, 7197	1014, 1206, 1265,	16725, 16726,
\@firstnamecolour .	1455, 1514, 1915,	16736, 17010, 17027
..... 2417, 2434	5858, 6034, 6171,	\@footstartv@r 8116
\@firstofone .. 3122,	7708, 7805, 9908,	\@for 3437, 3498,
3129, 3135, 3148,	14247, 14306,	3511, 3533, 3537,
3154, 3682, 11799,	14386, 14447,	4527, 4532, 4546,
11800, 11801,	14642, 14685,	4551, 4565, 4570,
11802, 13039,	14871, 15215,	4593, 4602, 6630
15601, 16168, 16800	15279, 15726,	\@fourcol@footgroupv@r
\@firstoftwo	15790, 16401, 16465	..... 8483
... 2699, 2707,	\@footgroupv@r	\@fourcolLTRfootfmt
2713, 2717, 2725,	8116, 8165, 8192,	.. 8506, 8527, 8555
2731, 2734, 2737,	8341, 8483, 8632,	\@fourcolLTRfootnotetext
2751, 2758, 2924,	8781, 8930, 9079,	..... 8478, 8499
2942, 2948, 2972,	9228, 9377, 9568	\@fourcolRTLfootfmt
2999, 3029, 3089,	\@footnote 5126	.. 8516, 8530, 8567
3099, 3220, 13509	\@footnotemark 2162,	\@fourcolRTLfootnotetext
\@fivecol@footgroupv@r	2170, 2178, 4638,	..... 8479, 8509
..... 8632	4728, 4735, 4757,	\@fourcolfootfmt ..



.. 8496, 8524, 8542	18218, 18429, 18442	\@ifclassloaded 3344,
\@fourcolfootnotetext	\@hangfrom ... 15554,	3723, 3728, 3759,
..... 8477, 8489	15566, 15568,	5139, 5141, 6128,
\@fps 2183, 2184,	16121, 16133,	8078, 10227,
2186, 2189, 2206	16135, 16753,	10240, 18752,
\@fpsadddefault ...	16765, 16767, 18395	18753, 18754,
..... 2187, 2190	\@height	18755, 18756,
\@freelist ... 2202,	600, 1703, 6453,	18757, 18758,
4163, 4204, 4319,	10720, 12363,	18759, 18760,
4320, 4363,	12398, 12446,	18761, 18762,
4364, 4407, 4408,	15193, 15200,	18763, 18764,
9748, 18533,	15704, 15711,	18765, 18766,
18534, 18577,	16379, 16386,	18767, 18768,
18578, 18610, 18611	16905, 16934,	18769, 18770,
\@fs@capt 4252, 4265, 4273	16976, 18424, 18649	18771, 18772,
\@fs@cfont ... 4245,	\@highpenalty	18773, 18774,
4251, 4261, 4264,	5765, 5781, 5788,	18775, 18776,
4272, 10110, 10111	5798, 5941, 5957,	18801, 18880, 18881
\@fs@iftopcapt	5964, 5974, 6227,	\@ifdefinable . 2763,
.. 4256, 4269, 4282	6242, 6252, 7861,	2766, 2769, 2778,
\@fs@mid 4255, 4268, 4280	9797, 9812, 9822,	2802, 2817, 10330
\@fs@post 4254, 4267, 4281	14158, 14174,	\@ifdefinitionfileloaded
\@fs@pre 4253, 4266, 4274	14181, 14191,	..... 2670, 18882
\@g@tnextcol	14529, 14545,	\@ifempty
10127	14552, 14562,	7, 208
\@getcirc	14744, 14758,	\@ifl@aded
9983	14768, 14927,	.. 2669, 2670, 2671
\@gnewline ... 14021,	14942, 14952,	\@ifnextchar 159, 617,
14034, 14047, 14058	15396, 15882,	2066, 2096, 2111,
\@gobble	15903, 15909,	2275, 2792, 3313,
2098,	15930, 15938,	3314, 3358, 3359,
2609, 2633, 2655,	15962, 16557,	3403, 4324, 4368,
2660, 3052,	16578, 16586,	4412, 6466, 6481,
3053, 3054, 3055,	16610, 17287, 17322	10405, 10414,
3056, 3124, 3137,	\@hintcolour . 2425, 2441	10563, 10578,
3141, 3168, 3182,	\@holdpg . 6739, 6745,	10890, 11612,
3194, 3208, 3426,	6752, 6763, 6773,	11636, 13408,
3561, 3738, 5299,	6873, 6874, 6876,	13579, 13599,
5364, 10184,	6879, 6883, 6888,	18038, 18081,
10185, 10186,	6893, 6897, 6905,	18245, 18538, 18582
13036, 15527,	6917, 6930, 6937	\@ifpackagelater ..
15529, 15531,	\@hyper@launch ... 11698	. 3722, 3727, 10276
16094, 16096,	\@idxitem	\@ifpackageloaded .
16098, 16726,	98,	..... 1662,
16728, 16730,	103, 228, 233,	2985, 3386,
18045, 18088,	814, 829, 1077,	3446, 3681, 3699,
18695, 18696, 18697	1328, 5090, 5097,	3721, 3726, 4231,
\@gobbletwo	5740, 5916, 6126,	4236, 4289, 7561,
... 2680, 2681,	14115, 14369,	7562, 8169, 9536,
2684, 2685, 11886	14827, 17267, 18750	11409, 11429,
\@gtempa 2775, 2776	\@ifclasslater 3724, 3729	11507, 11806,
\@halignto 605, 620,		
16939, 16978,		



12143,	13015,	. 2669, 18778, 18779	13035, 13251, 13257
15609,	16176,	\@iftexfileloaded .	\@latex@warning . 91,
16808,	17192,	. 2671, 18834, 18835	300, 799, 930,
18219,	18739,	\@ifundefined . . . 332,	1192, 1441, 2574,
18764,	18774,	333, 2545, 3301,	5824, 6011, 6322,
18777,	18781,	3305, 3455, 3548,	7660, 7933, 9868,
18782,	18783,	3771, 3773, 4461,	14222, 14615,
18784,	18785,	4469, 4472, 4474,	14811, 15013,
18792,	18793,	4953, 4961, 5076,	15484, 15491,
18794,	18795,	5078, 5083,	16051, 16058,
18796,	18797,	5173, 5190, 6468,	16683, 16690, 17213
18798,	18799,	6475, 6483, 6489,	\@latex@warning@no@line
18800,	18801,	10113, 10323,	. . . 6807, 6825,
18802,	18803,	11809, 11810,	6972, 6990, 18625
18804,	18805,	11982, 12032,	\@latexbug 18611
18806,	18807,	12034, 12038,	\@leftcolumn . . 6651,
18808,	18809,	13656, 17506, 17510	6657, 6687, 6693,
18810,	18811,	\@ifundefinedmodel	6846, 6874, 6880,
18812,	18813,	. . . . . 18071, 18105	6889, 10014,
18814,	18815,	\@ifxempty 18131	10033, 10046,
18816,	18817,	\@ignoretrue 6361	10065, 10768,
18818,	18819,	\@iiiminipage . . . 10526	10775, 10788,
18820,	18821,	\@iiiparbox	10797, 13065,
18822,	18823,	. 8153, 10557, 18302	13109, 13121,
18824,	18825,	\@indextitlestyle .	13147, 13191,
18826,	18827,	. . . . . 96, 226	13199, 18476,
18828,	18829,	\@inlabelfalse . . . 6328	18481, 18494, 18500
18830,	18831,	\@insertfalse 6730, 6838	\@let@token . 2646, 2649
18832,	18833,	\@inserttrue . 6803, 6967	\@lettrine 11864
18836,	18837,	\@iprintcites 14013	\@listI 3785
18838,	18839,	\@itemfudge 18659, 18661	\@listdepth
18862,	18863,	\@itemlabel 18265	. . . 10389, 10542,
18864,	18865,	\@ixpt 4990	10744, 10748,
18866,	18867,	\@keywords 326	18256, 18259, 18264
18868,	18869,	\@kludgeins 9752	\@listi 3785, 3793, 4994
18870,	18871,	\@komalongtablefalse	\@loadwithoptions .
18872,	18873,	. 15609, 16176, 16808	. . . 3236, 3238, 3245
18874,	18875,	\@lastchclass	\@lowertitleback . .
18876,	18877,	. . . . . 565, 566,	. . . . . 15257,
18878,	18879,	567, 568, 570,	15312, 15768,
18880,	18881, 18883	1586, 1587, 1588,	15823, 16443, 16498
\@ifpackagewith . . .	. . . 6607, 17216,	1589, 1591, 1630,	\@lowpenalty 2042, 17587
. . . 18786, 18789,	18790, 18791,	1631, 1643, 1651,	\@m 89, 298, 797,
18790, 18791,	18840, 18850, 18856	17065, 17066,	928, 1190, 1439,
18840, 18850, 18856	. 2909, 3312,	17067, 17068,	5822, 6009, 6320,
\@ifstar . 2909, 3312,	3357, 3399, 3491,	17070, 18443, 18444	7658, 7931, 9866,
3357, 3399, 3491,	4081, 7565, 10893	\@lastvipertrue 6814,	10769, 10789,
4081, 7565, 10893	\@iftagsloaded	6833, 6979, 6998	13508, 14220,
\@iftagsloaded . . . . .	. . . 2588, 3420,	\@latex@error	14613, 14809,
. . . 2588, 3420,		. . . 2588, 3420,	



15011, 15480, 16047, 16679, 17211	2954, 3063, 3071	4418, 4419, 18534, 18536, 18540, 18544, 18545, 18578, 18580, 18584, 18588, 18589, 18610, 18620, 18623, 18631, 18633, 18634, 18636, 18637, 18638, 18647, 18651, 18652
<code>\@mainmatterfalse</code> 5326, 5356, 6303, 7914	<code>\@makeschapterhead</code> ... 5736, 5912, 6100, 6121, 6289, 7900, 9837, 14111, 14365, 14822, 14987, 17238, 17243	<code>\@mathmargin</code> .. 7517, 7524, 7532, 7539
<code>\@mainmattertrue</code> 5323, 5339	<code>\@makespecialcolbox</code> 9753	<code>\@mathsemicolon</code> 180, 199
<code>\@makecaption</code> 4076, 6414, 12972, 13022, 13054, 15595, 16162, 16794, 18725	<code>\@maketitle</code> 116, 318, 322, 672, 674, 679, 688, 698, 1021, 1023, 1028, 1035, 1045, 1272, 1274, 1279, 1286, 1296, 1521, 1523, 1528, 1535, 1545, 1920, 1926, 6178, 6180, 6185, 6194, 6204, 7715, 7717, 7722, 7729, 7739, 7812, 7814, 7819, 7828, 7838, 9915, 9917, 9922, 9929, 9939, 12925, 12927, 12934, 14313, 14315, 14320, 14327, 14337, 14454, 14456, 14461, 14470, 14480, 14697, 14699, 14704, 14713, 14723, 14878, 14880, 14885, 14894, 14904, 15284, 15286, 15291, 15301, 15326, 15795, 15797, 15802, 15812, 15837, 16470, 16472, 16477, 16487, 16512	<code>\@maxdepth</code> 8114, 9764, 9791
<code>\@makechapterhead</code> 303, 6080, 6275, 7885, 9825, 14004, 14975, 17232	<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467	<code>\@memtempa</code> ... 12972, 12974, 12988, 12995, 12999, 13004
<code>\@makecol</code> 2314, 2326, 9792	<code>\@makeintext</code> . 44, 57, 72, 253, 266, 280, 667, 952, 1017, 1203, 1266, 1452, 1517, 1917, 4632, 4670, 4687, 4704, 5855, 6031, 6173, 7710, 7807, 7989, 8005, 8021, 8035, 8048, 8061, 9910, 10440, 10456, 10471, 10497, 10510, 10523, 10815, 12922, 14244, 14309, 14383, 14450, 14645, 14688, 14873, 15163, 15674, 16224, 16349	<code>\@menubordercolor</code> 11769, 11771
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467	<code>\@maketitle@hook</code> ... 114	<code>\@menucolor</code> 11780
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467	<code>\@makewincaption</code> . 13747	<code>\@midlist</code> ... 9748, 9749
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467	<code>\@marbox</code> 4320, 4322, 4326, 4330, 4331, 4364, 4366, 4370, 4374, 4375, 4408, 4410, 4414,	<code>\@minipagefalse</code> 2256, 4341, 4350, 4385, 4394, 4429, 4438, 8150, 10554, 12002, 13028, 15585, 16152, 16784, 18555, 18564, 18599, 18608, 18731
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467		<code>\@minipagerestore</code> 10543
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467		<code>\@minipagetrue</code> 4349, 4393, 4437, 18563, 18607
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467		<code>\@minus</code> .. 2492, 2577, 3781, 3783, 3790, 3792, 3794, 3795, 4991, 4993, 4995, 4996, 10658, 10696, 13505, 16870
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467		<code>\@mkboth</code> ... 783, 810, 826, 917, 1074, 1179, 1325, 1428, 5737, 5811, 5913, 5998, 6122, 6306, 7647, 7917, 9855, 14112, 14209, 14366, 14602, 14795, 14823, 14997
<code>\@makefnmark</code> 666, 1015, 1515, 1916, 4634, 4645, 6172, 7234, 7255, 7709, 7806, 9909, 12920, 14307, 14448, 14643, 14686, 14872, 15216, 15217, 15280, 15281, 15727, 15728, 15791, 15792, 16402, 16403, 16466, 16467		



<code>\@mklab</code>	18266	5593, 5596, 5599,	<code>\@mpfourcol@footgroupv@r</code>	8488
<code>\@mkpream</code> 604, 12368,		5613, 5620, 5627,	<code>\@mpfourcolLTRfootnotetext</code>	8485, 8545
16937, 16970, 18427		10405, 10410,	<code>\@mpfourcolRTLfootnotetext</code>	8486, 8558
<code>\@mobile</code> 2452, 7108, 7206		10414, 10419,	<code>\@mpfourcolfootnotetext</code>	8484, 8533
<code>\@modernpoem</code> . 5654, 5698		10538, 10568,	<code>\@mpplistdepth</code>	10389, 10542
<code>\@mpLTRfootnotetext</code>		10583, 11290,	<code>\@mpninecol@footgroupv@r</code>	9233
. 8039,		11301, 11312,	<code>\@mpninecolLTRfootnotetext</code>	9230, 9290
8069, 8076, 8194,		11512, 11543,	<code>\@mpninecolRTLfootnotetext</code>	9231, 9303
8343, 8485, 8634,		11574, 11637,	<code>\@mpninecolfootnotetext</code>	9229, 9278
8783, 8932, 9081,		12473, 17052, 17059	<code>\@mppara@footgroupv@r</code>	9573
9230, 9379, 9570,		<code>\@mpfootins</code> . . 8027,	<code>\@mpparaLTRfootnotetext</code>	9570, 9642
10500, 10540,		8028, 8040, 8041,	<code>\@mpparaRTLfootnotetext</code>	9571, 9656
11315, 11330,		8053, 8054, 8134,	<code>\@mpparafootnotetext</code>	9569, 9628
11353, 11417, 12477		8143, 8144, 8147,	<code>\@mpsevendcol@footgroupv@r</code>	8935
<code>\@mpRTLfootnotetext</code>		10489, 10490,	<code>\@mpsevendcolLTRfootnotetext</code>	8932, 8992
. 8052,		10502, 10503,	<code>\@mpsevendcolRTLfootnotetext</code>	8933, 9005
8070, 8077, 8195,		10515, 10516,	<code>\@mpsevendcolfootnotetext</code>	8931, 8980
8344, 8486, 8635,		10548, 10549,	<code>\@mpsixcol@footgroupv@r</code>	8786
8784, 8933, 9082,		10552, 12462, 12467	<code>\@mpsixcolLTRfootnotetext</code>	8783, 8843
9231, 9380, 9571,		<code>\@mpfootinsv@r</code>	<code>\@mpsixcolRTLfootnotetext</code>	8784, 8856
10487, 10541,		. . . . 8133, 8166,	<code>\@mpsixcolfootnotetext</code>	8782, 8831
11304, 11329,		8243, 8244, 8255,	<code>\@mptencol@footgroupv@r</code>	9382
11342, 11418, 12478		8256, 8268, 8269,	<code>\@mptencolLTRfootnotetext</code>	9379, 9439
<code>\@mparbottom</code> . . 2299,		8389, 8390, 8400,	<code>\@mptencolRTLfootnotetext</code>	9380, 9452
18621, 18629,		8401, 8412, 8413,	<code>\@mptencolfootnotetext</code>	9378, 9427
18630, 18631, 18632		8534, 8535, 8546,		
<code>\@mpargs</code>		8547, 8559, 8560,		
. 8153, 10532, 10557		8683, 8684, 8695,		
<code>\@mparswitchfalse</code> 3755		8696, 8708, 8709,		
<code>\@mparswitchtrue</code> . 3750		8832, 8833, 8844,		
<code>\@mpeightcol@footgroupv@r</code>		8845, 8857, 8858,		
. 9084		8981, 8982, 8993,		
<code>\@mpeightcolLTRfootnotetext</code>		8994, 9006, 9007,		
. 9081, 9141		9130, 9131, 9142,		
<code>\@mpeightcolRTLfootnotetext</code>		9143, 9155, 9156,		
. 9082, 9154		9279, 9280, 9291,		
<code>\@mpeightcolfootnotetext</code>		9292, 9304, 9305,		
. 9080, 9129		9428, 9429, 9440,		
<code>\@mpfivecol@footgroupv@r</code>		9441, 9453, 9454,		
. 8637		9629, 9631, 9643,		
<code>\@mpfivecolLTRfootnotetext</code>		9645, 9657, 9659		
. 8634, 8694		<code>\@mpfootnotetext</code> . .		
<code>\@mpfivecolRTLfootnotetext</code>		. . . . . 8026,		
. 8635, 8707		8068, 8075, 8193,		
<code>\@mpfivecolfootnotetext</code>		8342, 8484, 8633,		
. 8633, 8682		8782, 8931, 9080,		
<code>\@mpfn</code> 2137, 2140, 2143,		9229, 9378, 9569,		
2159, 2167, 2175,		10513, 10539,		
4726, 4732, 4755,		11293, 11328,		
4761, 4784, 4790,		11331, 11416, 12476		



\@mpthreecol@footgroupv@r	8321, 8322, 8326,	9499, 9501, 9506,
..... 8346	8327, 8331, 8332,	9507, 9511, 9512,
\@mpthreecolLTRfootnotetext	8430, 8432, 8433,	9516, 9517, 9678,
..... 8343, 8399	8434, 8439, 8441,	9680, 9681, 9682,
\@mpthreecolRTLfootnotetext	8444, 8446, 8450,	9683, 9687, 9694,
..... 8344, 8411	8451, 8453, 8456,	9696, 9699, 9702,
\@mpthreecolfootnotetext	8458, 8463, 8464,	9707, 9708, 9710,
..... 8342, 8388	8468, 8469, 8473,	9713, 9716, 9723,
\@mptwocol@footgroupv@r	8474, 8578, 8580,	9724, 9727, 9730,
..... 8197	8581, 8582, 8587,	9734, 9737, 9745,
\@mptwocolLTRfootnotetext	8589, 8592, 8594,	10133, 15388,
..... 8194, 8254	8599, 8600, 8602,	15426, 15899,
\@mptwocolRTLfootnotetext	8605, 8607, 8612,	15926, 15958,
..... 8195, 8267	8613, 8617, 8618,	15970, 15986,
\@mptwocolfootnotetext	8622, 8623, 8727,	15994, 16002,
..... 8193, 8242	8729, 8730, 8731,	16574, 16606,
\@namedef 3305,	8736, 8738, 8741,	17250, 17522,
3456, 5651, 8155,	8743, 8748, 8749,	17523, 17524,
8185, 8290, 8291,	8751, 8754, 8756,	17527, 17530,
8319, 8324, 8329,	8761, 8762, 8766,	17535, 17536,
8334, 8433, 8434,	8767, 8771, 8772,	17541, 17545,
8466, 8471, 8476,	8876, 8878, 8879,	17546, 17548,
8581, 8582, 8610,	8880, 8885, 8887,	17549, 17551,
8615, 8620, 8625,	8890, 8892, 8897,	17552, 17554,
8730, 8731, 8759,	8898, 8900, 8903,	17555, 17557,
8764, 8769, 8774,	8905, 8910, 8911,	17558, 17565,
8879, 8880, 8908,	8915, 8916, 8920,	17570, 17571,
8913, 8918, 8923,	8921, 9025, 9027,	18073, 18107, 18678
9028, 9029, 9057,	9028, 9029, 9034,	\@ne 133, 138, 468, 472,
9062, 9067, 9072,	9036, 9039, 9041,	484, 542, 546,
9177, 9178, 9206,	9046, 9047, 9049,	558, 565, 574,
9211, 9216, 9221,	9052, 9054, 9059,	577, 671, 1020,
9326, 9327, 9355,	9060, 9064, 9065,	1271, 1520, 1586,
9360, 9365, 9370,	9069, 9070, 9174,	1595, 1598, 1599,
9475, 9476, 9504,	9176, 9177, 9178,	1600, 1633, 1636,
9509, 9514, 9561,	9183, 9185, 9188,	1637, 1638, 2212,
9681, 9682, 9683,	9190, 9195, 9196,	2267, 3663, 3672,
9726, 9733, 9740,	9198, 9201, 9203,	6177, 6618, 7714,
17521, 17560,	9208, 9209, 9213,	7811, 9914, 10488,
17561, 17562,	9214, 9218, 9219,	10501, 10514,
17563, 17564,	9323, 9325, 9326,	10758, 11646,
17565, 17566,	9327, 9332, 9334,	11651, 11966,
17567, 17568, 17569	9337, 9339, 9344,	11978, 11986,
\@nameuse 3302,	9345, 9347, 9350,	12370, 12924,
5649, 7447, 7497,	9352, 9357, 9358,	13001, 13227,
7500, 7546, 8287,	9362, 9363, 9367,	13578, 13598,
8289, 8290, 8291,	9368, 9472, 9474,	14312, 14453,
8296, 8298, 8301,	9475, 9476, 9481,	14649, 14692,
8303, 8308, 8309,	9483, 9486, 9488,	14696, 14877,
8311, 8314, 8316,	9493, 9494, 9496,	15169, 15283,



15680, 15794,	\@ninecollTRfootfmt	\@oldmakefnmark 15216,
16229, 16355,	.. 9251, 9272, 9300	15217, 15280,
16469, 17000,	\@ninecollTRfootnotetext	15281, 15727,
17004, 17065,	..... 9223, 9244	15728, 15791,
17074, 17081,	\@ninecolRTLfootfmt	15792, 16402,
17362, 17987,	.. 9261, 9275, 9312	16403, 16466, 16467
18259, 18300,	\@ninecolRTLfootnotetext	\@onefilewithoptions
18337, 18339,	..... 9224, 9254	.. 3252, 3253, 3260
18340, 18341,	\@ninecolfootfmt ..	\@onelevel@sanitize 2184
18346, 18348,	.. 9241, 9269, 9287	\@onlypreamble
18349, 18350,	\@ninecolfootnotetext	.. 3475, 3485, 3489
18355, 18357,	..... 9222, 9234	\@openbib@code . 789,
18358, 18359,	\@nmbrlistfalse .. 18267	923, 1185, 1434,
18364, 18366,	\@nobreakfalse . 732,	2567, 2578, 5817,
18367, 18368,	883, 1126, 1364,	6004, 6312, 7653,
18446, 18448, 18611	5775, 5951, 6237,	7923, 9861, 14215,
\@newlistfalse	7870, 9807,	14608, 14801,
..... 10177, 18669	14168, 14539,	15003, 15466,
\@next	14753, 14937,	16033, 16665, 17203
2202,	15394, 17309, 17313	\@otarlinesep
4319, 4320, 4363,	\@nobreaktrue .. 731,	..... 16960, 16966
4364, 4407, 4408,	882, 1125, 1363,	\@outerparskip 5579, 5692
18533, 18534,	5774, 5950, 6236,	\@outputbox .. 6651,
18577, 18578, 18610	7869, 9806,	6654, 6659, 6664,
\@nextchar	14167, 14538,	6666, 6687, 6690,
571,	14752, 14936,	6698, 6703,
573, 574, 575,	15393, 17308, 17312	6705, 8113, 8115,
577, 578, 579,	\@nocnterr	9755, 9757, 9758,
580, 581, 584,	..... 333	9763, 9776, 9778,
585, 586, 1592,	\@nocounterr	9783, 10014,
1594, 1595, 1596,	..... 332	10017, 10030,
1598, 1599, 1600,	\@nodocument	10035, 10046,
1601, 1602, 1603,	..... 2181	10049, 10063,
1604, 1607, 1608,	\@noitemerr	10069, 10150,
1609, 1621, 1623,	..... 91,	10155, 10194,
1624, 1689, 1690,	300, 798, 929,	10768, 10773,
1691, 6439, 6440,	1191, 1440, 2574,	10778, 10788,
6441, 17071,	5823, 6010, 6321,	10793, 10800,
17073, 17074,	7659, 7932,	13065, 13084,
17075, 17076,	9867, 13515,	13109, 13112,
17077, 17078,	14221, 14614,	13114, 13124,
17079, 17081,	14810, 15012,	13147, 13166,
17082, 17083,	15483, 15490,	13191, 13194,
17084, 17085,	16050, 16057,	13196, 13204,
17088, 17089, 17090	16682, 16689, 17212	18476, 18478,
\@nil	\@normalcr	18483, 18494,
1674,	..... 12429	18497, 18505, 18712
1675, 1677, 1678,	\@notprerr .. 3124, 3137	\@outputdblcol 10124,
6428, 7277, 7334,	\@nx	18519, 18520, 18521
11812, 11821,	..... 120, 121, 336	\@outputpage .. 2315,
11823, 11835, 17166	\@nxtcol	
\@ninecol@footgroupv@r	.. 10125, 10127, 10168	
..... 9228	\@oddfoot 1886, 10138,	
	10145, 18681, 18690	
	\@oddhead	
	..... 10137,	
	10144, 18681, 18689	



2327,	6670,	8030, 8043, 8056,	2492, 2577, 3781,
6673, 6710, 6715,		8129, 8247, 8259,	3782, 3783, 3790,
10038,	10041,	8272, 8312, 8393,	3791, 3792, 3794,
10072,	10076,	8404, 8416, 8454,	3795, 4991, 4992,
10152,	10156,	8538, 8550, 8563,	4993, 4995, 4996,
10161,	10172,	8603, 8687, 8699,	5062, 5739, 5750,
10779,	10783,	8712, 8752, 8836,	5753, 5766, 5782,
10803,	10807,	8848, 8861, 8901,	5789, 5915, 5926,
13129,	13134,	8985, 8997, 9010,	5929, 5942, 5958,
13208,	13213,	9050, 9134, 9146,	5965, 6125, 6228,
18486,	18489,	9159, 9199, 9283,	6243, 7594, 7608,
18509, 18514, 18664		9295, 9308, 9348,	7862, 9618, 9622,
\@ovbtrue 9972		9432, 9444, 9457,	9626, 9722, 9798,
\@ovdx 9985, 9993		9497, 9634, 9648,	9813, 10658,
\@ovdy 9986, 9994		9662, 9711, 10177,	10696, 13278,
\@ovhorz 9991, 9992		10435, 10451,	13290, 13505,
\@ovltrue 9972		10466, 10493,	14114, 14143,
\@ovri 9984		10506, 10519,	14146, 14159,
\@ovro 9984, 9993, 9994		10537, 13049,	14175, 14182,
\@ovrtrue 9972		13226, 18308,	14368, 14514,
\@ovttrue 9972		18552, 18596, 18670	14517, 14530,
\@ovvert 9989, 9990		\@parboxto 18311, 18318	14546, 14553,
\@ovxx 9974, 9975,		\@parmoderr	14745, 14759,
9978, 9985, 9990,		2200, 4316, 4360,	14826, 14928,
9991, 9995, 9996		4404, 18530, 18574	14943, 15191,
\@ovyy 9976, 9977,		\@part 762, 7618	15198, 15222,
9978, 9986, 9992		\@pboxswfalse	15245, 15263,
\@pagedp 18639, 18649		. . . . . 10528, 18304	15334, 15359,
\@pageht 6731,		\@pboxswtrue 18316	15372, 15407,
6840, 18622, 18629		\@pdfm@mark	15508, 15513,
\@para@footgroupv@r		. . . . . 11653, 11669,	15702, 15709,
. 9568		11703, 11734, 11763	15733, 15756,
\@paraLTRfootfmt . .		\@pdfremotestartview	15774, 15845,
. 9601, 9620, 9653		. . . . . 11684	15870, 15883,
\@paraLTRfootnotetext		\@phone 2453, 7109, 7207	15910, 15940,
. 9563, 9592		\@photo 2458, 7082,	16075, 16080,
\@paraRTLfootfmt . .		7084, 7213, 7215	16377, 16384,
. 9613, 9624, 9667		\@photowidth 2457,	16408, 16431,
\@paraRTLfootnotetext		2458, 7084, 7180	16449, 16520,
. 9564, 9604		\@pkgextension 3280,	16545, 16558,
\@parafootRTLfalse 7977		3291, 3355, 3364,	16588, 16707,
\@parafootRTLtrue 7976		3372, 3375, 3383	16712, 16869,
\@parafootfmt		\@plus 24, 99, 229,	17117, 17146,
. 9589, 9616, 9639		722, 739, 813,	17266, 17541,
\@parafootnotetext		828, 857, 860,	17594, 17778, 18459
. 9562, 9580		873, 891, 898,	\@pnumwidth 13,
\@parboxrestore 41, 54,		1076, 1083, 1086,	15, 214, 216,
69, 250, 263, 277,		1099, 1116, 1134,	725, 726, 728,
2251, 4070, 4338,		1327, 1338, 1341,	742, 743, 747,
4382, 4426, 6366,		1354, 1372, 1380,	876, 877, 879,



901, 902, 906,	\@preameightfmt . . .	\@publisher . . . 5154, 5207
1102, 1103, 1107,	. . . . 9115, 9121,	\@publishers
1119, 1120, 1122,	9124, 9127, 9207	. . . 15246, 15310,
1357, 1358, 1360,	\@preamerr	15360, 15757,
1383, 1384, 1388,	587, 1610, 1640,	15821, 15871,
5769, 5770, 5772,	17091, 18437, 18450	16432, 16496, 16546
5792, 5793, 5797,	\@preamfivefmt	\@quote . . . 2459, 7088,
5945, 5946, 5948,	. . . 8668, 8674,	7090, 7217, 7219
5968, 5969, 5973,	8677, 8680, 8760	\@quotebox 14014
6231, 6232, 6234,	\@preamfntext	\@quotecolour
6246, 6247, 6251,	. . . 7984, 8000,	. . . 2421, 2438, 2548
6503, 6508, 6509,	8016, 8124, 8201,	\@r@m@msize 16973
7597, 7598, 7602,	8211, 8221, 8299,	\@raggedtwoe@everyselectfont
7611, 7612, 7614,	8350, 8359, 8368,	. . . . . 14028,
7864, 7865, 7867,	8442, 8492, 8502,	14041, 14054, 14065
9801, 9802, 9804,	8512, 8590, 8641,	\@raggedtwoe@gnewline
9816, 9817, 9821,	8651, 8661, 8739,	14021, 14034, 14047
13298, 14162,	8790, 8800, 8810,	\@raggedtwoe@raggedrightboxes@opt
14163, 14165,	8888, 8939, 8949,	. . . . . 14067, 14096
14185, 14186,	8959, 9037, 9088,	\@raggedtwoe@samed@gnewline
14190, 14533,	9098, 9108, 9186,	. . . . . 14058
14534, 14536,	9237, 9247, 9257,	\@raggedtwoe@samedcr
14556, 14557,	9335, 9386, 9396,	. . . . . 14018,
14561, 14747,	9406, 9484, 9584,	14031, 14044, 14057
14748, 14750,	9596, 9608, 9697	\@raggedtwoe@spaceskipfalse
14762, 14763,	\@preamfourfmt . . . .	. . . . . 14064
14767, 14931,	. . . 8519, 8525,	\@raggedtwoe@spaceskiptrue
14932, 14934,	8528, 8531, 8611	14027, 14040, 14053
14946, 14947,	\@preamninefmt	\@rc@ifdefinable . .
14951, 15380,	. . . 9264, 9270,	. . . . . 2778, 2817
15381, 15387,	9273, 9276, 9356	\@reffalse 16252
15416, 15417,	\@preamsevenfmt	\@reftrue 16253,
15424, 15891,	. . . 8966, 8972,	16254, 16255,
15892, 15898,	8975, 8978, 9058	16256, 16257,
15918, 15919,	\@preamsixfmt	16258, 16259, 16260
15925, 15949,	. . . 8817, 8823,	\@regtocline 854, 892,
15950, 15957,	8826, 8829, 8909	909, 1080, 1110,
16566, 16567,	\@preamtenfmt	1135, 1335, 1373,
16573, 16597,	. . . . 9413, 9419,	1391, 5747, 5783,
16598, 16605,	9422, 9425, 9505	5801, 5923, 5959,
17173, 17182,	\@preamthreefmt	5977, 14140,
17184, 17571,	. . . 8374, 8380,	14176, 14194,
17685, 17790, 18471	8383, 8386, 8462	14511, 14547, 14565
\@preamble 605,	\@preamtwofmt	\@remensize 16970, 16973
606, 616, 618,	. . . 8228, 8234,	\@removefromreset .
1646, 1654, 12374,	8237, 8240, 8320	. . . . . 13524, 13526
16938, 16940,	\@printcites 14015	\@reqcolroom
16947, 16978,	\@pstrickserr . . . 13969	6731, 6732, 6733,
16979, 16987,	\@ptsize . 2356, 2357,	6734, 6794, 6839,
18428, 18430, 18439	2358, 2359, 2366	



6840, 6841, 6842, 6843, 6844, 6958	2753, 2760, 2915, 2925, 2926, 2927, 2928, 2934, 2943, 2949, 2973, 3001, 3029, 3078, 3090, 3091, 3100, 3217, 3345, 3387	\@sevendcolfootnotetext 8924, 8936
\@resetactivechars 10175, 18667	\@secpenalty 5, 206, 721, 738, 872, 890, 897, 1098, 1115, 1133, 1353, 1371, 1379, 7593, 7607, 15371, 15405, 17158, 17289, 17344	\@sharp 612, 1648, 1649, 1650, 1656, 1657, 1658, 11812, 11818, 12366, 16943, 16979, 16985, 18434
\@resetdyn@mics .. 10163	\@sectiontitlecolour 2422, 2439	\@sixcol@footgroupv@r 8781
\@resetst@tics ... 10162	\@seesize . 16970, 16973	\@sixcolLTRfootfmt .. 8804, 8825, 8853
\@restonecolfalse . 94, 224, 803, 819, 1067, 1318, 5730, 5906, 6115, 14105, 14359, 14816, 17224	\@setcol 10169	\@sixcolLTRfootnotetext 8776, 8797
\@restonecoltrue .. 94, 224, 805, 821, 1069, 1320, 5732, 5908, 6117, 14107, 14361, 14818, 17226	\@setcolbox 10130, 10166	\@sixcolRTLfootfmt .. 8814, 8828, 8865
\@resumename . 2391, 2447	\@setcopyright 108	\@sixcolRTLfootnotetext 8777, 8807
\@revlabeltrue . 953, 1204, 1453, 5856, 6032, 14245, 14384	\@setfontsize . 3780, 3789, 4990, 5000, 5001, 5002, 5003, 5004, 5005, 5006	\@sixcolfootfmt 8794, 8822, 8840
\@rightcolumn . 13076, 13081, 13082, 13091, 13092, 13100, 13104, 13110, 13158, 13163, 13164, 13173, 13174, 13182, 13186, 13192	\@setfpsbit 2216, 2219, 2222	\@sixcolfootnotetext 8775, 8787
\@rightskip 12425, 14023, 14024, 14036, 14037, 14049, 14050, 14060, 14061, 14078, 18371	\@setmarks .. 10023, 10025, 10038, 10055, 10057, 10071	\@skip@bove 16964, 16966
\@rjfieldfalse ... 18657	\@setminipage . 4072, 10544, 10752, 13051	\@spaces 17002, 17043, 17048
\@runbordercolor 11709, 11711	\@setpar 14646, 14689, 15166, 15173, 15677, 15684, 16226, 16231, 16352, 16359	\@spart 7637
\@runcolor 11725	\@settab 5659	\@specialpagefalse 10132, 18678
\@s@size 16973	\@sevendcol@footgroupv@r 8930	\@specialstyle 10133, 18678
\@s@bidi@AfterClass 3312, 3321, 3333, 3342	\@sevendcolLTRfootfmt .. 8953, 8974, 9002	\@stabarray 16926
\@s@bidi@AfterPackage 3357, 3365, 3376, 3384	\@sevendcolLTRfootnotetext 8925, 8946	\@stabular 16922
\@sarray 16931	\@sevendcolRTLfootfmt .. 8963, 8977, 9014	\@star@or@long 2773, 2787, 2811, 2822
\@savemarbox 18651	\@sevendcolRTLfootnotetext 8926, 8956	\@startdblcolumn 6671, 6673, 6713, 6716, 10039, 10041, 10075, 10076, 10159, 10161, 10781, 10783, 10805, 10807, 13132, 13135, 13211, 13214, 18487, 18489, 18512, 18515
\@secondoftwo . 2701, 2710, 2719, 2728, 2734, 2737, 2748,	\@sevendcolfootfmt . .. 8943, 8971, 8989	\@startfield 5701



12354, 12360, 16941, 16980, 18431	\@temp@bibkeyx 4532, 4533, 4535, 4536, 4537, 4538, 4551, 4552, 4554, 4555, 4556, 4557, 4570, 4571, 4573, 4574, 4575, 4576, 4602, 4603, 4605, 4606, 4607, 4608	15468, 15471, 15676, 16035, 16038, 16225, 16351, 16667, 16670, 17051, 17053, 17058, 17060, 17776, 17793, 17797, 17798, 17799, 17808, 17822, 17998, 18001, 18007, 18011, 18025
\@startsection 23		\@tempb 2582, 2583, 2585, 2586, 10855, 10856, 10896, 10898, 10926, 10928, 10929, 10931, 10934, 13531, 13532, 13538, 13539, 13544, 13545
\@starttoc .. 4957, 4965		\@tempboxa . . . 4322, 4366, 4410, 6754, 6778, 6787, 6846, 6890, 6931, 6942, 6951, 7300, 7301, 7302, 7303, 7305, 7354, 7355, 7356, 7357, 7359, 8153, 9984, 9988, 9996, 9997, 10110, 10111, 10112, 10533, 10557, 10595, 10640, 10647, 10657, 10660, 10664, 10666, 10672, 10706, 10708, 10714, 10727, 10731, 10732, 10917, 10934, 11063, 11244, 11246, 11919, 11920, 11994, 11999, 12003, 12383, 12384, 12387, 12977, 12980, 12984, 12986, 12992, 12994, 12995,
\@stopfield		
... 5666, 5681, 5685, 5713, 18657		
\@stopline . 5685, 18657		
\@strip 13223		
\@subjclass 326	\@temp@last@bibkey 4526, 4527, 4533, 4545, 4546, 4552, 4564, 4565, 4571, 4592, 4593, 4603	
\@subject 15230, 15231, 15309, 15343, 15344, 15741, 15742, 15820, 15854, 15855, 16416, 16417, 16495, 16529, 16530	\@tempa 119, 122, 129, 130, 131, 132, 1000, 1002, 1004, 1008, 1251, 1253, 1255, 1259, 1500, 1502, 1504, 1508, 2582, 2583, 2586, 3770, 3771, 3773, 3775, 4471, 4472, 4474, 4476, 9973, 10855, 10856, 10857, 10858, 10895, 10898, 10899, 10905, 10916, 10917, 10923, 10928, 10929, 10931, 10934, 10971, 10972, 10973, 10974, 11431, 11435, 11438, 11450, 11469, 11473, 11476, 11488, 12400, 12401, 12403, 12404, 13527, 13528, 13529, 13532, 13539, 13545, 14292, 14294, 14296, 14300, 14433, 14435, 14437, 14441, 15021, 15022, 15064, 15065, 15165,	
\@subsectioncolour 2424, 2440		
\@subtitle		
.. 15236, 15306, 15349, 15747, 15817, 15860, 16422, 16492, 16535		
\@tabacol 2128, 12351, 16924, 18229, 18413		
\@tabarray . 593, 617, 621, 2130, 12338, 12340, 18224, 18231, 18415, 18442		
\@tabclassiv		
... 2130, 12352, 16926, 18231, 18415		
\@tabclassz . . . 1651, 2129, 12352, 16925, 18230, 18414		
\@tabcr 5662, 5672		
\@tabminus 5660		
\@tabplus 5659		
\@tabular 589, 2116, 18411		
\@tabularcr		
... 2130, 12356, 16926, 18231, 18415		
\@tagsextension . . .		
. 2666, 2669		
\@tarlinesep .. 16966, 16967, 16968, 16969, 16972, 16974		
\@temp@bibkey . 4527, 4546, 4565, 4593		



13024,	13025,	15544,	15780,	7336,	7340,	7341,	
13029,	13748,	15782,	16092,	7342,	7343,	7344,	
13749,	13752,	16111,	16455,	7350,	7353,	7356,	
15532,	15546,	16457,	16724,	7357,	7358,	7370,	
15550,	15552,	16743,	17038,	7371,	7372,	7397,	
15575,	15576,	17584,	17585,	7399,	7400,	7401,	
15578,	15579,	17586,	17605,	7405,	7412,	7414,	
15581,	15586,	17606,	17607,	7416,	7423,	7447,	
15591,	16099,	17609,	17611,	7448,	7453,	7454,	
16113,	16117,	17693,	17694,	7455,	7456,	7457,	
16119,	16142,	17695,	18611,	7572,	7574,	7576,	
16143,	16145,	18613,	18616,	7595,	7600,	7610,	
16146,	16148,	18618,	18620,	18642	9765,	9767,	9800,
16153,	16158,	\@tempcntb	... 2230,	9814,	9819,	9985,	
16731,	16745,	2231,	2232,	9986,	9989,	9990,	
16749,	16751,	13604,	13605,	10531,	10535,		
16774,	16775,	13612,	13616,	10914,	10916,		
16777,	16778,	13629,	15525,	10921,	10923,		
16780,	16785,	15543,	16092,	10924,	10926,		
16790,	17025,	16110,	16724,	16742	10939,	10944,	
17045,	17737,	\@tempdima	8, 10, 12, 14,	10949,	10953,		
17740,	17745,	209,	211, 213, 215,	11911,	11917,		
17749,	17753,	597,	598, 600,	11918,	11924,		
17757,	17761,	723,	740, 745,	11925,	11930,		
17765,	17769,	862,	875, 899,	11931,	11936,		
17773,	18395,	904,	1088, 1089,	12348,	12358,		
18396,	18453,	1100,	1105, 1118,	12363,	13079,		
18454,	18455,	1343,	1356, 1381,	13083,	13161,		
18456,	18536,	1386,	1668, 1669,	13165,	13223,		
18580,	18702,	1701,	1702, 1703,	13248,	13271,		
18709,	18710,	2353,	2355, 4978,	13283,	13284,		
18727,	18728,	4979,	5755, 5768,	13295,	13296,		
\@tempc	10897, 10899,	5790,	5795, 5931,	13607,	14148,		
	10905, 11896, 11901	5944,	5966, 5971,	14161,	14183,		
\@tempcnta	1614, 1673,	6229,	6244, 6249,	14188,	14519,		
	1674, 1675, 1677,	6451,	6452, 6453,	14532,	14554,		
	1678, 2204, 2210,	6501,	6506, 6735,	14559,	14647,		
	2212, 2225, 2226,	6804,	6805, 6819,	14648,	14649,		
	2232, 2233, 6426,	6820,	6824, 6901,	14690,	14691,		
	6428, 7275, 7332,	6969,	6970, 6984,	14692,	14760,		
	11933,	6985,	6989, 7005,	14765,	14929,		
	11938,	7006,	7246, 7247,	14944,	14949,		
	11962,	7248,	7249, 7267,	15066,	15067,		
	13603,	7268,	7269, 7270,	15167,	15168,		
	13606,	7276,	7278, 7279,	15169,	15174,		
	13616,	7283,	7284, 7285,	15175,	15178,		
	13654,	7286,	7287, 7295,	15373,	15376,		
	13660,	7299,	7302, 7303,	15383,	15408,		
	13665,	7304,	7318, 7319,	15411,	15420,		
	15271,	7320,	7333, 7335,	15549,	15550,		



15575,	15576,	17797,	17799,	17658,	17660,
15577,	15579,	17807,	17814,	17963,	17964,
15678,	15679,	17960,	17961,	17966,	17968,
15680,	15685,	17980,	17991,	17971,	17972,
15686,	15689,	17992,	17993,	17974,	17977,
15884,	15887,	17994,	18006,	17991,	17992,
15894,	15911,	18009,	18015,	17993,	17997,
15914,	15921,	18016,	18307,	18010,	18014,
15941,	15944,	18308,	18464,	18015,	18310, 18311
15953,	16116,	18465,	18621,	\@tempdimc	6421, 15164,
16117,	16142,	18622,	18623,	15171,	15172,
16143,	16144,	18624,	18627,	15182,	15675,
16146,	16227,	18630,	18633,	15682,	15683,
16228,	16229,	18635,	18658, 18659	15693,	16350,
16232,	16233,	\@tempdimb	... 6420,	16357,	16358, 16388
16236,	16353,	6737, 6740, 6741,		\@tempskipa	.. 5578,
16354,	16355,	6742, 6743, 6746,		5579,	5580,
16360,	16361,	6747, 6748, 6749,		5691,	5692, 5693
16364,	16559,	6750, 6751, 6752,		\@tempswafalse	3492,
16562,	16569,	6903,	6906,	3539, 7287, 7344,	
16589,	16592,	6907, 6909, 6911,		10862, 18045, 18088	
16601,	16748,	6914, 6918, 6921,		\@tempswatru	. 3491,
16749,	16774,	6924, 6928, 6930,		3536,	7281, 7338
16775,	16776,	7246, 7247, 7267,		\@temptokena	.....
16778,	16971,	7268, 7319, 7321,		.... 117, 121, 13640	
16974,	16976,	7324, 7371, 7373,		\@temp	..... 5593,
17039,	17098,	7376, 7403, 7405,		5594, 11509, 11521	
17099,	17100,	7418, 7419, 7420,		\@tempxi	..... 5596,
17299,	17303,	7421, 7423, 7450,		5597, 11540, 11552	
17330,	17334,	7453, 9978, 9979,		\@tempxii	.... 5599,
17353,	17357,	9980, 9981, 9983,		5600, 11571, 11583	
17370,	17374,	10915,	10916,	\@tempy	..... 2137, 2138
17387,	17391,	10922,	10923,	\@tempyi	.... 2140, 2141
17404,	17408,	10925,	10926,	\@tempyii	... 2143, 2144
17421,	17425,	11931,	11932,	\@tencol@footgroupv@r	
17438,	17442,	11934,	13223,	..... 9377	
17456,	17460,	13248,	15176,	\@tencolLTRfootfmt	
17475,	17479,	15177,	15178,	.. 9400, 9421, 9449	
17495,	17499,	15687,	15688,	\@tencolLTRfootnotetext	
17530,	17534,	15689,	16234,	..... 9372, 9393	
17601,	17603,	16235,	16236,	\@tencolRTLfootfmt	
17632,	17635,	16362,	16363,	.. 9410, 9424, 9461	
17642,	17645,	16364,	16971,	\@tencolRTLfootnotetext	
17649,	17654,	16974,	16976,	..... 9373, 9403	
17657,	17669,	17602,	17608,	\@tencolfootfmt	...
17702,	17704,	17610,	17615,	.. 9390, 9418, 9436	
17705,	17708,	17617,	17620,	\@tencolfootnotetext	
17711,	17715,	17624,	17628,	..... 9371, 9383	
17722,	17724,	17636,	17638,	\@testopt	.... 2789,
17783,	17784,	17639,	17652,	2807, 12345, 12346	



<code>\@testpach</code>	564, 1585, 1630, 17064, 18443	14851, 14859, 14887, 14895, 15249, 15293, 15302, 15760, 15804, 15813, 16435, 16479, 16488	10579, 10584, 10817, 11291, 11302, 11313, 11324, 11442, 11480, 11513, 11544, 11575, 11638, 14246, 14308, 14310, 14385, 14449, 14451, 14644, 14651, 14687, 14694, 14872, 14875
<code>\@texfileextension</code>	..... 2668, 2671		<code>\@thefoot</code> 10138, 10141, 10145, 18681, 18684, 18687, 18690, 18716
<code>\@textbottom</code> .....	... 9760, 15191, 15198, 15508, 15513, 15702, 15709, 16075, 16080, 16377, 16384, 16707, 16712	<code>\@thefnmark</code> . 43, 56, 71, 252, 265, 279, 666, 669, 954, 1016, 1018, 1205, 1269, 1454, 1516, 1518, 1916, 1919, 2160, 2168, 2176, 4632, 4634, 4667, 4684, 4701, 4727, 4733, 4756, 4762, 4785, 4791, 5614, 5621, 5628, 5857, 6033, 6172, 6175, 7709, 7712, 7806, 7809, 9909, 9912, 12920, 14246, 14308, 14310, 14385, 14449, 14451, 14644, 14651, 14687, 14694, 14872, 14875	<code>\@thehead</code> 10137, 10140, 10144, 18681, 18683, 18686, 18689, 18706
<code>\@textsuperscript</code> .	. 666, 669, 954, 1016, 1018, 1205, 1269, 1454, 1516, 1518, 1916, 1919, 4632, 4634, 5857, 6033, 6172, 6175, 7709, 7712, 7806, 7809, 9909, 9912, 12920, 14246, 14308, 14310, 14385, 14449, 14451, 14644, 14651, 14687, 14694, 14872, 14875	<code>\@themargin</code> .. 10190, 18682, 18684, 18701	<code>\@thm</code> 13560, 13581
<code>\@texttop</code> .....	..... 9756	8019, 8032, 8045, 8058, 8099, 8103, 8105, 8203, 8213, 8223, 8249, 8262, 8274, 8352, 8361, 8370, 8395, 8407, 8418, 8494, 8504, 8514, 8540, 8553, 8565, 8643, 8653, 8663, 8689, 8702, 8714, 8792, 8802, 8812, 8838, 8851, 8863, 8941, 8951, 8961, 8987, 9000, 9012, 9090, 9100, 9110, 9136, 9149, 9161, 9239, 9249, 9259, 9285, 9298, 9310, 9388, 9398, 9408, 9434, 9447, 9459, 9586, 9598, 9610, 9636, 9650, 9664, 9909, 9912, 10406, 10411, 10415, 10420, 10437, 10453, 10468, 10495, 10508, 10521, 10564, 10569,	<code>\@thmcountersep</code> 345, 18251
<code>\@tfor</code> .....	..... 2205, 9973	<code>\@threecolfootgroupv@r</code> 8341	<code>\@threecolLTRfootfmt</code> .. 8363, 8382, 8409
<code>\@thanks</code> .....	..... 645, 653, 681, 689, 985, 991, 1030, 1036, 1236, 1242, 1281, 1287, 1485, 1491, 1530, 1536, 1921, 1927, 5888, 5894, 6064, 6070, 6151, 6159, 6187, 6195, 7690, 7696, 7724, 7730, 7785, 7793, 7821, 7829, 9890, 9896, 9924, 9930, 10559, 10573, 10576, 12913, 12936, 14277, 14283, 14322, 14328, 14416, 14424, 14463, 14471, 14665, 14673, 14706, 14714,	<code>\@threecolLTRfootnotetext</code> 8336, 8356	<code>\@threecolRTLfootfmt</code> .. 8372, 8385, 8420
		<code>\@threecolRTLfootnotetext</code> 8337, 8365	<code>\@threecolfootfmt</code> . .. 8354, 8379, 8397
		<code>\@threecolfootnotetext</code> 8335, 8347	<code>\@title</code> 322, 635, 656, 692, 706, 963, 965, 993, 1038, 1051, 1214, 1216, 1244, 1289, 1302, 1463, 1465, 1493, 1538, 1552, 1563, 1930, 2389, 2450, 5162, 5247, 5866, 5868, 5896, 6042, 6044,



6072, 6141, 6162,	\@todonotes@author	12424, 13577,
6198, 6212, 7198,	..... 17851,	13578, 13597,
7680, 7699, 7733,	17862, 17887, 17905	13598, 14077,
7745, 7775, 7796,	\@todonotes@currentfigcolor	14091, 18276,
7832, 7846, 9880,	..... 17922	18278, 18284,
9899, 9933, 9945,	\@todonotes@currentfigheight	18286, 18290,
12914, 14255,	..... 17923	18292, 18296,
14257, 14285,	\@todonotes@currentfigwidth	18298, 18300,
14330, 14343,	..... 17923,	18337, 18339,
14394, 14396,	17925, 17935, 17938	18340, 18341,
14426, 14473,	\@todonotes@drawInlineNote	18346, 18348,
14489, 14500,	..... 17846	18349, 18350,
14655, 14676,	\@todonotes@drawLineToLeftMargin	18355, 18357,
14717, 14731,	..... 17874, 17877	18358, 18359,
14841, 14862,	\@todonotes@drawLineToRightMargin	18364, 18366,
14898, 14912,	..... 17874, 17877	18367, 18368, 18658
15234, 15305,	\@todonotes@drawMarginNote	\@traditionalpoem .
15347, 15745,	17873, 17876, 17880	..... 5535, 5634
15816, 15858,	\@todonotes@drawMarginNoteWithLine	.....
16420, 16491, 16533	..... 17868	13571, 13591, 18269
\@titlecolour 2419, 2436	\@todonotes@ifdisabled	\@twocol@footgroupv@r
\@titlehead .....	..... 17947	..... 8192
.. 15223, 15225,	\@todonotes@sizecommand	\@twocolLTRfootfmt
15308, 15335,	..... 17851,	.. 8215, 8236, 8264
15337, 15734,	17853, 17860,	\@twocolLTRfootnotetext
15736, 15819,	17862, 17864,	..... 8187, 8208
15846, 15848,	17887, 17889,	\@twocolRTLfootfmt
16409, 16411,	17901, 17904,	.. 8225, 8239, 8276
16494, 16521, 16523	17905, 17907, 17910	\@twocolRTLfootnotetext
\@tocextra	\@todonotes@text ..	..... 8188, 8218
.. 17250, 17251,	.. 17851, 17853,	\@twocolfootfmt ...
17255, 17257, 17260	17862, 17864,	.. 8205, 8233, 8251
\@tocline	17887, 17889,	\@twocolfootnotetext
..... 2, 203	17902, 17908, 17911	..... 8186, 8198
\@tocpagenum 15, 216	\@todonotes@textwidth	\@twocolcolumntrue .. 2268
\@tocrmarg .....	..... 17885	\@twosidefalse ... 3755
.. 13267, 13279,	\@toodeep	\@twosidetrue 3750
13291, 17294,	..... 18257	\@typeset@protect .
17325, 17348,	\@topnum 107, 316, 678,	..... 2075,
17365, 17382,	1027, 1278, 1527,	2081, 2087, 2102
17399, 17416,	5240, 6184, 7721,	\@undeclaredcolor .
17433, 17451,	7818, 9921, 12933,	..... 6466,
17470, 17490,	14319, 14460,	6474, 18038, 18039
17525, 17576,	14703, 14884,	\@undefined .. 2133,
17662, 17779, 18460	15290, 15801, 16476	2265, 12350, 13034
\@todonotes@MissingFigureDown	\@topsep ... 13574, 13594	\@undottedtocline 13264
..... 17941	\@topsepadd	\@unexpandable@protect
\@todonotes@MissingFigureText	.. 2047, 13575, 13595	..... 2840, 3651
..... 17918	\@totalleftmargin .	\@unrecurse 16961, 16964
\@todonotes@MissingFigureUp	.. 10742, 10746,	
..... 17940	10749, 10758,	



\@uppertitleback ..	\@x@sf	\@yargdef
..... 15253,	4641,	2809
15311, 15764,	4646, 4652, 4655	\@ympar
15822, 16439, 16497	\@xLTRfootnote	\@ythm
\@urlbordercolor ..	..... 2124, 2247,	\[.....
..... 11740, 11742	5485, 5496, 5709,	\ \
\@urlcolor	5723, 10414, 10417	1006, 1212, 1257,
..... 11754	\@xLTRfootnotenext	1461, 1506, 2130,
\@viipt .....	... 2123, 2246,	2497, 2503, 2581,
5000, 13615, 13628	5484, 5495, 5708,	4088, 4089, 4090,
\@viipt 5000, 13615, 13628	5722, 10563,	4092, 5049, 5418,
\@vipier	10566, 11310, 17011	5556, 5864, 6040,
6674,	\@xRTLfootnote	7086, 7087, 7090,
6676, 6678, 6717,	... 2126, 2249,	7106, 7193, 7198,
6719, 6721, 6733,	5487, 5498, 5711,	7205, 7215, 7219,
6797, 6843, 6961,	5725, 10405, 10408	7942, 7946, 7955,
7010, 13224,	\@xRTLfootnotenext	11143, 11146,
13239, 13241, 13246	... 2125, 2248,	11159, 11162,
\@vipieroutput 6680, 6723	5486, 5497, 5710,	11262, 11683,
\@viipt	5724, 10578,	11698, 11717,
5001	10581, 11299, 17012	11848, 11852,
\@vpt	\@xaddress	11977, 11978,
5001	323	12343, 12429,
\@whilenum	\@xauthor	13658, 13670,
11962	323	14018, 14019,
\@whilesw 6672, 6714,	\@xcolor@ . 18046, 18089	14031, 14032,
10040, 10076,	\@xcurraddr	14044, 14045,
10160, 10782,	324	14057, 14253,
10806, 13133,	\@xemail	14298, 14392,
13212, 18488, 18513	324	14439, 16327,
\@wholewidth	\@xfloat	16926, 16942,
.. 9975, 9977, 9995	\@xfootnote .. 2122,	16959, 16960,
\@width . 31, 241, 602,	2245, 5483, 5494,	17116, 17145,
752, 935, 1170,	5707, 5721, 11636	17884, 17891,
1414, 1703, 2293,	\@xfootnotemark .. 11321	18231, 18371,
5829, 5982, 6257,	\@xfootnotenext ...	18415, 18432, 18442
6453, 6695, 6770,	..... 2121, 2244,	\{
6935, 7228, 7664,	5482, 5493, 5706,	1992
7962, 7975, 9847,	5720, 11288, 17010	\}
10067, 10353,	\@xiipt	184, 200, 5660, 10090
10355, 10720,	5003	\^
10776, 11857,	\@xipt	5436, 5438, 5439
12365, 12398,	5002	\`
12446, 13118,	\@xivpt	10740,
13201, 13342,	305, 5004	12421, 14073, 14087
13353, 13426,	\@xmakefntext .. 1017,	\| ... 10619, 10620, 10735
14199, 14620,	1517, 14309, 14450	_
14776, 14957,	\@xp 117, 310, 335, 336, 6375	_
15193, 15509,	\@xpt	1769,
15704, 16076,	3780	1871, 4534, 4538,
16379, 16708,	\@xthm	4553, 4557, 4572,
16936, 16976,	13579, 13599	4576, 4604, 4608,
18426, 18502, 18649	\@xtitle	10612, 10614, 16321
\@x	322	
5651, 5652	\@xxpt	
	5005	
	\@xxxii	
	2231	
	\@xympar	
	4328,	
	4332, 4372,	
	4376, 4416, 4420,	
	18542, 18546,	
	18586, 18590, 18653	



A			
\abovecaptionskip .		14927, 14942,	\addvspace 5, 206, 722,
..... 11992,		15371, 15405,	739, 873, 891,
12973, 13023,		15882, 15909,	898, 1099, 1116,
15599, 15603,		15938, 16557,	1134, 1354, 1372,
15618, 15626,		16586, 17158,	1380, 2301, 5043,
16166, 16170,		17160, 17287,	5100, 5766, 5782,
16185, 16193,		17289, 17322, 17344	5942, 5958, 6228,
16798, 16802,	\address	323, 2451	7594, 7608, 7862,
16817, 16825, 18726	\addresscolour		9798, 14159,
\abovedisplayskip	2420, 7038, 7136,		14175, 14530,
.. 3782, 3791, 4992	7142, 7148, 7154, 7160		14546, 14745,
\abovedisplayskip .	\addressfont .. 2429,		14928, 15372,
..... 3781,	2437, 2548, 7076,		15407, 15883,
3784, 3790, 3797,	7104, 7168, 7202		15910, 16558,
3831, 4991, 4998	\addresssymbol		17291, 17345, 17596
\abstractname .. 840,	... 2411, 7106, 7205		\adjmc@inner 130
846, 849, 1146,	\adresstyle 2437		\adjmc@outer 132
1152, 1154, 1397,	\addtocontents ... 17573		\adjmc@page@sofar@orig
1403, 1406, 5806,	\addtocounter . . . . .		..... 160
5993, 14126,	. 11655, 11958, 11959		\adjmult@cols 159
14132, 14135,	\addtolength ... 179,		\adjmulticols 128
14575, 14581, 14584	2371, 2372, 2373,		\adl@act@classz .. 1706
\Acrobatmenu 11759	2374, 2375, 2376,		\adl@act@CT@setup .
\active 5435,	2474, 2475, 2477,		..... 1664, 1671
5436, 5438, 5439	2479, 2480, 2483,		\adl@activate 1581, 1664
\add@strip 13248	3866, 3869, 3870,		\adl@argarraydashrule
\addcontentsline ..	3873, 5015, 7184,		..... 1600, 1638
. 765, 767, 2494,	7185, 7186, 7456,		\adl@array .. 1578, 1583
4067, 7621, 7623,	10996, 10997,		\adl@arraydashrule
12022, 12027,	11914, 11918,		..... 1599, 1637
13046, 17233,	11920, 11922,		\adl@arrayinit ... 1580
17240, 17257, 17918	11923, 11924,		\adl@arrayrestore 1575
\addfontfeature . . .	11925, 11944,		\adl@arrayrule 1598, 1636
... 2417, 2418,	11946, 11947,		\adl@box 1621, 1623, 1624
2419, 2420, 2421,	11949, 11950,		\adl@class@iiiorvii
2422, 2424, 2425	11952, 11953,		..... 1627, 1660
\addpenalty . 5, 206,	11954, 11964,		\adl@class@start ..
721, 738, 872,	11965, 15168,		..... 1626, 1659
890, 897, 1098,	15171, 15172,		\adl@CT@setup
1115, 1133, 1353,	15175, 15177,		.. 1663, 1666, 1667
1371, 1379, 5765,	15576, 15577,		\adl@depth 1670
5781, 5788, 5941,	15679, 15682,		\adl@endarray 1575
5957, 5964, 6227,	15683, 15686,		\adl@endmbox 1622
6242, 7593, 7607,	15688, 16143,		\adl@everyvbox 1579, 1580
7861, 9797, 9812,	16144, 16228,		\adl@extract@arc . 1675
14158, 14174,	16233, 16235,		\adl@extract@dgc . 1678
14181, 14529,	16354, 16357,		\adl@extract@drsc 1676
14545, 14552,	16358, 16361,		\adl@height 1669
14744, 14758,	16363, 16775,		\adl@inactivate . . .
	16776, 17177, 17178		..... 1581, 1663



<code>\adl@LT@array</code>	11810	10615,	10629,	17374,	17391,
<code>\adl@noalign</code>	1582	10642,	10643,	17408,	17425,
<code>\adl@org@activate</code>	1664	10675,	10680,	17442,	17460,
<code>\adl@org@classz</code> . .	1707	10681,	10684,	17479,	17499,
<code>\adl@org@endpbox</code> .	1665	10693,	10757,	17534,	17575,
<code>\adl@org@inactivate</code>	1663	11932,	11935,	17585,	17605,
<code>\adl@putlrc</code>		11936,	11966,	17610,	17660,
1618, 1619, 1620,		12358,	12370,	17661,	17662,
1648, 1649, 1650,		13071,	13073,	17665,	17669,
1656, 1657, 1658		13100,	13101,	17694,	17705,
<code>\adl@startmbox</code>	1621	13104,	13153,	17784,	17807,
<code>\advance</code>	12,	13155,	13182,	17961,	17963,
86, 213, 295, 313,		13183,	13186,	17973,	17992,
467, 468, 472,		13237,	13238,	17993,	18022,
484, 542, 546,		13239,	13240,	18033,	18034,
558, 598, 745,		13249,	13271,	18259,	18272,
788, 904, 922,		13284,	13296,	18273,	18276,
1089, 1105, 1184,		13309,	13572,	18278,	18284,
1386, 1433, 1668,		13576,	13577,	18286,	18290,
1702, 1889, 1894,		13592,	13596,	18292,	18296,
2212, 2226, 2232,		13597,	13605,	18298,	18398,
2311, 2566, 3663,		13665,	13687,	18399,	18465,
4276, 4979, 5054,		13715,	13722,	18622,	18623,
5405, 5413, 5414,		13764,	13769,	18630,	18631,
5579, 5692, 5795,		13770,	13771,	18632, 18633, 18658	
5816, 5971, 6003,		13800,	13801,	<code>\afterassignment</code> . .	
6249, 6311, 6452,		13827,	13838,	. . . . 1771, 1773,	
6460, 6461, 6501,		13978,	13980,	1873, 1875, 2841,	
6613, 6733, 6734,		13985,	13988,	4506, 17034, 17035	
6743, 6804, 6805,		14011,	14188,	<code>\aftergroup</code>	
6820, 6840, 6843,		14214,	14559,	. . . . 2029, 2039,	
6844, 6853, 6855,		14607,	14648,	3321, 3323, 3333,	
6861, 6862, 6865,		14691,	14765,	3335, 3345, 3347,	
6868, 6871, 6914,		14800,	14949,	3365, 3367, 3376,	
6969, 6970, 6985,		15002,	15067,	3378, 3387, 3389,	
7005, 7006, 7236,		15383,	15416,	4490, 4505, 6464,	
7246, 7247, 7257,		15420,	15465,	6466, 6473, 6479,	
7267, 7268, 7284,		15894,	15921,	6498, 10179,	
7285, 7286, 7303,		15949,	15953,	10181, 13883,	
7312, 7319, 7341,		16032,	16325,	13884, 13887,	
7342, 7343, 7357,		16569,	16597,	13891, 13892,	
7364, 7371, 7400,		16601,	16664,	13896, 13900,	
7401, 7414, 7416,		16887,	16960,	13901, 13905,	
7419, 7420, 7421,		16974,	16984,	13909, 13913,	
7600, 7652, 7922,		17004,	17099,	13917, 17151,	
8179, 8181, 9819,		17117,	17133,	17587, 18027,	
9860, 9975, 9977,		17146,	17150,	18036, 18038,	
9979, 9985, 9986,		17182,	17183,	18075, 18079,	
9993, 9994, 9995,		17202,	17303,	18132, 18143,	
10153, 10154,		17334,	17357,	18144, 18147,	



18151, 18152,	\AM@readlist 13675	\aslice 13807, 13808,
18156, 18160,	\AM@split@options 13639	13810, 13812,
18161, 18165,	\AM@temp . . . 13640, 13641	13813, 13815,
18169, 18173,	\AM@threadname	13828, 13829, 13831
18177, 18326,	13638, 13648, 13649	\At@ViperColsBreak
18665, 18673, 18674	\AM@xrprefix . . . . .	. . 6882, 6892, 6896
\AlFnt 181	13656, 13660, 13663	\AtBeginDocument . .
\ALG@floatstyle . . .	\AND 392, 516	. . . . . 1762,
. . 4291, 4292, 4293	\and . . . 660, 696, 972,	2386, 2446, 2543,
\algocf@algobox . . . 173	998, 1001, 1043,	3128, 3716, 3875,
\algocf@algoframe .	1223, 1249, 1252,	4096, 4230, 4235,
. . 167, 168, 169, 170	1294, 1472, 1498,	4288, 5096, 5296,
\algocf@endline . . . 184	1501, 1543, 1565,	5361, 7115, 7229,
\algocf@float 18787	1934, 5875, 5901,	7250, 7271, 7560,
\algocf@makethealgo 194	6051, 6077, 6166,	10475, 11260,
\algocf@within	6202, 7703, 7737,	12031, 12037,
. 162, 164,	7800, 7836, 9903,	12117, 16949, 17734
18789, 18790, 18791	9937, 12911,	\AtBeginPackage . . 13016
\algomargin . . . 176, 179	13642, 14264,	\AtEndDocument
\algowidth . 174, 176, 197	14290, 14293,	. . . . 2550, 3141,
\alignL 6406	14335, 14403,	3568, 5588, 5644
\alignR 6410	14431, 14434,	\AtEndDvi 12894
\allowbreak	14478, 14502,	\AtEndOfClass 2385
. . . 7242, 7263,	14680, 14721,	\AtPageLowerLeft . 7390
8235, 8238, 8241,	14866, 14902,	\AtPageUpperLeft . .
8322, 8381, 8384,	15324, 15835, 16510	. . 7390, 7404, 7422
8387, 8464, 8526,	\andify 112	\AtTextUpperLeft . .
8529, 8532, 8613,	\andname . 1006, 1257,	. . . . . 7394, 7410
8675, 8678, 8681,	1506, 14298, 14439	\author 323,
8762, 8824, 8827,	\andnext 12912	658, 694, 996,
8830, 8911, 8973,	\animategraphics 355,	1041, 1247, 1292,
8976, 8979, 9060,	403, 486, 487, 488	1496, 1541, 1932,
9122, 9125, 9128,	\animateinline . 561, 562	5146, 5178, 5899,
9209, 9271, 9274,	\arabic 19, 20,	6075, 6164, 6200,
9277, 9358, 9420,	21, 22, 83, 220,	7701, 7735, 7798,
9423, 9426, 9507	221, 222, 223,	7834, 9901, 9935,
\Alph 12955	292, 331, 10116,	14288, 14333,
\AM@CheckAtEnd . . . 13678	10122, 17515, 18787	14429, 14476,
\AM@ClearShipoutPicture	\array 619, 18440	14678, 14719,
. 13680	\arraycolsep 619	14864, 14900,
\AM@currentdocname	\arraylinesep 16967	15314, 15825, 16500
. 13643, 13649	\arrayrulecolor . . 1675	\auto@footnoterule
\AM@findfile 13647	\arrayrulewidth . . 16984	. . . . . 10369, 10380
\AM@output 13676	\arraystretch	\autodot 15433,
\AM@pagecount 13645	. 600, 601, 2023,	15968, 16616, 17797
\AM@pageref 13660, 13663	2034, 12363,	\autofootnoterule .
\AM@pagestemp	12364, 16934,	. 1792, 7222, 7969,
. . 13653, 13658,	16935, 16971,	10378, 10813, 18744
13659, 13662,	18246, 18424, 18425	
13670, 13671, 13675		



B		
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18412,	18438,	13696, 13885,		\bibpreamble	
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\belowcaptionskip .		14583, 16923,		\bibsection	5074,
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16164, 16172,		18150, 18154,		\bidi@loadwithoptions	
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744, 773, 776,		15451,	\bidi@AfterAtEndOfClass	
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1122, 1360, 1385,		16068, 16650, 16700		\bidi@AfterAtEndOfPackage	
1978, 2518, 5223,		\bib@beginhook 15444,		3367, 3371
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5970, 6094, 6106,		16017, 16643, 16649		\bidi@AfterEndDocument	
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7896, 7905, 9804,		\bibcleanup	13519	\bidi@AfterEndEnvironment	
9818, 9829, 9834,		\bibentry 4536, 4538,		3198, 3208
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14750, 14764,		\bibindent	2552, 2553	3720, 5237, 5260



<code>\bidi@afterendpreamblehook</code>	<code>\bidi@cslet</code> 2768	8236, 8239, 8242,
. 3131,	<code>\bidi@csletcs</code> 2765	8254, 8267, 8279,
3132, 3136, 3138	<code>\bidi@cspreto</code> 2896	8294, 8306, 8318,
<code>\bidi@AfterFile</code> 3308,	<code>\bidi@csuse</code>	8323, 8328, 8333,
15608, 16175, 16807	. . . 2830, 3163,	8347, 8356, 8365,
<code>\bidi@AfterPackage</code> 3356	3177, 3190, 3203	8374, 8379, 8382,
<code>\bidi@AfterPreamble</code>	<code>\bidi@csxappto</code>	8385, 8388, 8399,
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<code>\bidi@AfterReadingMainAux</code>	<code>\bidi@csxpreto</code> 2899, 2901	8448, 8460, 8465,
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<code>\bidi@append</code> . 3064, 3114	2925, 2926, 2927,	8499, 8509, 8519,
<code>\bidi@appto</code> . . 2843,	2928, 2934, 2943,	8524, 8527, 8530,
2887, 3134, 3678	2949, 3056, 3078,	8533, 8545, 8558,
<code>\bidi@apptocmd</code> 3060, 3061	3090, 3091, 3100	8570, 8585, 8597,
<code>\bidi@AtBeginEnvironment</code>	<code>\bidi@dbg@info</code>	8609, 8614, 8619,
. 3158, 3168 2916, 2918,	8624, 8638, 8648,
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. 3172, 3182	2935, 2937, 2939,	8676, 8679, 8682,
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3129, 3718, 4520	3079, 3081, 3083,	8763, 8768, 8773,
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10357, 10361, 10364	<code>\bidi@dbg@init</code> 2913,	8817, 8822, 8825,
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. 10379	<code>\bidi@dbg@succ</code>	8856, 8868, 8883,
<code>\bidi@BeforeBeginEnvironment</code>	. . . 2959, 3055,	8895, 8907, 8912,
. 3186, 3194	3087, 3095, 3097	8917, 8922, 8936,
<code>\bidi@BeforeClass</code> 3309	<code>\bidi@dbg@trce</code>	8946, 8956, 8966,
<code>\bidi@BeforeClosingMainAux</code>	. . . 2906, 2952,	8971, 8974, 8977,
3601, 3612, 3616,	3052, 3061, 3069	8980, 8992, 9005,
3619, 3627, 3630	<code>\bidi@eappto</code>	9017, 9032, 9044,
<code>\bidi@BeforeFile</code> . 3307	. . 2847, 2860, 2888	9056, 9061, 9066,
<code>\bidi@BeforePackage</code>	<code>\bidi@endpreamblehook</code>	9071, 9085, 9095,
. 3354 3117,	9105, 9115, 9120,
<code>\bidi@collect@body</code>	3118, 3123, 3125	9123, 9126, 9129,
. 2601, 2608	<code>\bidi@ensure@new@command</code>	9141, 9154, 9166,
<code>\bidi@collect@body</code> 2596 2773, 2774	9181, 9193, 9205,
<code>\bidi@collect@long@body</code>	<code>\bidi@ensure@newcommand</code>	9210, 9215, 9220,
. 2625, 2632	. . . 2773, 7976,	9234, 9244, 9254,
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. 2897, 2900	8138, 8139, 8154,	9418, 9421, 9424,
<code>\bidi@csgappto</code>	8165, 8167, 8170,	9427, 9439, 9452,
. . . 2889, 3159,	8175, 8178, 8180,	9464, 9479, 9491,
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9537, 9548, 9557,	\bidi@ifdefmacro ..	12091,	12092,
9559, 9560, 9580, 2740,	12093,	12094,
9592, 9604, 9616,	2742, 2743, 2744	12095,	12096,
9620, 9624, 9628,	\bidi@ifdefparam ..	12097,	12098,
9642, 9656, 9670, 3034,	12099,	12100,
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... 2780, 8092,	.. 2920, 3005, 3085	12111,	12112,
8093, 8094, 8122	\bidi@ifhashcheck@i	12113,	12114,
\bidi@epreto 3009, 3011	12115,	12116,
.. 2869, 2882, 2897	\bidi@ifhashcheck@ii	12119,	12122,
\bidi@error . 2782, 2815 3013,	12125,	12128,
\bidi@everyjob 1738,	3016, 3017, 3018	12131,	12134,
1739, 1855, 1856	\bidi@ifpatchable .	12137,	12140,
\bidi@excludedpackages	.. 2909, 2911, 2958	12144,	12147,
..... 3395,	\bidi@ifpatchable@i	12150,	12153,
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\bidi@expandonce 2919,	12180,	12183,
..... 2835,	2940, 2989, 3084	12186,	12189,
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2858, 2868, 2872,	\bidi@isloaded	12198,	12201,
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\bidi@footdir@footnote	12049, 12050,	12216,	12219,
..... 76, 285,	12051, 12052,	12222,	12225,
10477, 10479, 10483	12053, 12054,	12228,	12231,
\bidi@gappto .. 2851,	12055, 12056,	12234,	12237,
2889, 3117, 3131, 3143	12057, 12058,	12240,	12243,
\bidi@gobbleopt ...	12059, 12060,	12246,	12249,
..... 3558, 3567	12061, 12062,	12252,	12255,
\bidi@gpreto . 2873, 2898	12063, 12064,	12258,	12261,
\bidi@hook@acma ...	12065, 12066,	12264,	12267,
... 3582, 3626,	12067, 12068,	12270,	12273,
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\bidi@hook@bcma ...	12071, 12072,	12282,	12285,
... 3576, 3625,	12073, 12074,	12288,	12291,
3628, 3629, 3635	12075, 12076,	12294,	12297,
\bidi@hooktocmd ...	12077, 12078,	12300,	12303,
.. 3064, 3072, 3074	12079, 12080,	12306,	12309,
\bidi@hooktocmd@i .	12081, 12082,	12312,	12315,
..... 3088, 3102	12083, 12084,	12318, 12321, 12324	
\bidi@ifblank@i ...	12085, 12086,	\bidi@load@hook 3227,	
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	12089, 12090,	\bidi@loadwithoptions	



.. 3235, 3236, 3241	\bidi@newrobustcmd	\bidi@p@xLTRftntext
\bidi@lrbox 18322	..... 1770,	..... 2123,
\bidi@lst@caption@direction	1772, 2786, 2787,	2150, 2170, 2246
..... 11978,	2811, 2822, 2843,	\bidi@p@xRTLfootnote
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\bidi@lst@ensure@caption@direction	2860, 2861, 2865,	\bidi@p@xRTLftntext
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11995, 11997,	2882, 2883, 2887,	2153, 2178, 2248
12015, 12019, 12026	2888, 2889, 2890,	\bidi@patch@AfterPackage
\bidi@matrix@check	2891, 2892, 2896,	..... 3690, 3695
..... 2652, 18240	2897, 2898, 2899,	\bidi@patch@Add ...
\bidi@matrix@error	2900, 2901, 2905,	..... 3677, 3706
..... 2654, 2658	2951, 3050, 3060,	\bidi@patch@AfterPackage
\bidi@mpfootnoterule	3068, 3117, 3128,	... 3680, 3684,
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10488, 10501,	3172, 3186, 3198	4637, 4658, 4806,
10514, 10551, 12466	\bidi@notblank 2736,	4856, 4912, 5156
\bidi@multicol@align@columns	2744, 3038, 3047	\bidi@patch@counter
..... 13324,	\bidi@o@everypar ..	..... 3658,
13374, 13377, 13379	..... 13878,	3662, 3665,
\bidi@n@everypar ..	13880, 13881,	3671, 3672, 3691
.. 13879, 13880,	18138, 18140, 18141	\bidi@patch@gttemp ..
13881, 13882,	\bidi@onefilewithoptions	..... 3698, 3705
17954, 18139,	.. 3251, 3252, 3256	\bidi@patch@list ..
18140, 18141, 18142	\bidi@orig@leftline	... 3676, 3678,
\bidi@namelongdef .	18389, 18391, 18392	3716, 3718, 3725
..... 2771,	\bidi@orig@raggedleft	\bidi@patch@OrgIfClassLater
8286, 8288, 8295,	18374, 18376, 18377	..... 3724, 3729
8307, 8429, 8431,	\bidi@orig@raggedright	\bidi@patch@OrgIfClassLoaded
8438, 8449, 8461,	18375, 18376, 18377	..... 3723, 3728
8577, 8579, 8586,	\bidi@orig@rightline	\bidi@patch@OrgIfPackageLater
8598, 8726, 8728,	18390, 18391, 18392	..... 3722, 3727
8735, 8747, 8875,	\bidi@p@ftn	\bidi@patch@OrgIfPackageLoaded
8877, 8884, 8896,	2071, 2134, 2137,	..... 3721, 3726
9024, 9026, 9033,	2138, 2140, 2141,	\bidi@patch@stepcounter
9045, 9173, 9175,	2143, 2144, 2148,	.. 3660, 3670, 3689
9182, 9194, 9322,	2151, 2154, 2259	\bidi@patch@temp ..
9324, 9331, 9343,	\bidi@p@ftntext ...	..... 3688, 3692
9471, 9473, 9480,	... 2118, 2136, 2241	\bidi@patch@try ...
9492, 9677, 9679,	\bidi@p@LTRftntext	..... 3707, 3710
9693, 9706, 9720	.. 2119, 2139, 2242	\bidi@patchcmd
\bidi@new@command .	\bidi@p@RTLftntext	... 2951, 2952,
..... 2787,	.. 2120, 2142, 2243	3146, 3161, 3175,
2789, 2818, 2826	\bidi@p@xfootnote .	3201, 12008, 12021
\bidi@new@ifnch ...	.. 2122, 2157, 2245	\bidi@patchcmd@scantoks
..... 2646, 2648	\bidi@p@xftntext 2121,	.. 2969, 2975, 3110
\bidi@new@ifnextchar	2147, 2162, 2244	\bidi@prepend 3072, 3115
..... 2643, 18245	\bidi@p@xLTRfootnote	\bidi@preto
\bidi@newcommand ..	.. 2124, 2165, 2247	.. 2865, 2896, 3120



\bidi@pretocmd	13449, 13451,	13877, 13881,
.. 3068, 3069, 3189	13454, 13456,	16863, 18137, 18141
\bidi@PreventPackageFromLoading	13458, 13460,	\bidi@s@tfftextcol
..... 3398,	13462, 13465,	..... 10202, 10206
3412, 3442, 3475	13467, 13470,	\bidi@saved@checkend
\bidi@process@envbody	13472, 13475,	.. 3569, 3572, 3590
... 2598, 2602,	13477, 13479,	\bidi@saved@clearpage
2603, 2617, 2622,	13482, 13484,	.. 3574, 3575, 3578
2626, 2627, 2641	13486, 13489,	\bidi@saved@dofilelist
\bidi@protected 2838,	13491, 13493, 18378	..... 3580,
2860, 2861, 2882,	\bidi@redefine@newpage	3583, 3584, 3591
2883, 2891,	..... 3592, 3632	\bidi@saved@eqno ..
2892, 2900, 2901	\bidi@reflect@box .	..... 13952,
\bidi@protected@cseappto	.. 13941, 13948,	13954, 13955,
..... 2891	18205, 18212, 18214	18735, 18737, 18738
\bidi@protected@csepreto	\bidi@renew@command	\bidi@saved@leqno .
..... 2900	.. 2811, 2813, 2827	..... 13953,
\bidi@protected@csxappto	\bidi@renewrobustcmd	13954, 13955,
..... 2892	..... 2811	18736, 18737, 18738
\bidi@protected@csxpreto	\bidi@ReplaceClass 3282	\bidi@saved@newpage
..... 2901	\bidi@replacefile@msg	..... 3593, 3604
\bidi@protected@eappto	..... 3219,	\bidi@saved@RequirePackage
..... 2860	3243, 3258, 3296	3397, 3417, 3428,
\bidi@protected@epreto	\bidi@ReplaceInput 3266	3480, 3482, 3560
..... 2882	\bidi@ReplacePackage	\bidi@set@load@hook
\bidi@protected@immediate@write	..... 3279	..... 3304,
.. 3631, 3642, 3648	\bidi@RequirePackage	3307, 3308,
\bidi@protected@xappto	.. 3418, 3478, 3529	3310, 3329, 3341,
..... 2861	\bidi@ResetPreventPackageFromLoading	3372, 3383
\bidi@protected@xpreto	..... 3470,	\bidi@SOUL@ulleaders
..... 2883	3476, 3485, 3524	..... 16904, 16910
\bidi@provide@command	\bidi@resrvda . 2961,	\bidi@StorePreventPackageFromLoading
..... 2822, 2824	2962, 2963, 2966,	..... 3486, 3489
\bidi@providerobustcmd	2967, 2968, 2969,	\bidi@tabular@RTLcases
..... 2822	2970, 2971, 2976,	..... 18218, 18247
\bidi@push@begins .	2979, 2991, 2992,	\bidi@tempa 1778, 1784,
.. 2605, 2606, 2609	2993, 2994, 2995,	1790, 1802, 1808, 1814
\bidi@push@long@begins	2997, 2998, 3007,	\bidi@tempb 1778, 1779,
.. 2629, 2630, 2633	3009, 3023, 3024,	1784, 1785, 1790,
\bidi@raggedleft ..	3026, 3028, 3029,	1791, 1802, 1803,
... 2495, 2502,	3104, 3105, 3106,	1808, 1809, 1814, 1815
2507, 2526, 7086,	3107, 3108, 3109,	\bidi@todonotes@tempa
7202, 10004,	3110, 3111, 3112	..... 17830, 17838
10009, 11053, 18379	\bidi@resrvdb 2963, 2964	\bidi@todonotes@tempb
\bidi@raggedright .	\bidi@restore@newpage	..... 17830,
.. 10002, 10007,	.. 3577, 3594, 3624	17831, 17838, 17839
13430, 13433,	\bidi@RTL@everypar	\bidi@undef
13435, 13438,	..... 9581,	... 2971, 3050,
13440, 13442,	9593, 9605,	3112, 3125, 3138
13445, 13447,	9630, 9644, 9658,	\bidi@undefined .. 3050



<code>\bidi@UnPreventPackageFromLoading</code>	3490	<code>\bidipoem@p@ftn</code>	5452, 5462, 5593, 5594, 5596, 5597, 5599, 5600, 5603, 5606, 5609, 5714, 11510, 11520, 11541, 11551, 11572, 11582	<code>\bidituftefloatError</code>	3736, 4223
<code>\bidi@UnReplaceClass</code>	3293	<code>\bidipoem@p@LTrftntext</code>	5479, 5490, 5592, 5703, 5717, 11508	<code>\bidituftefloatInfoNL</code> ..	3737, 3738, 4292
<code>\bidi@UnReplaceInput</code>	3270	<code>\bidipoem@p@RTLftntext</code>	5480, 5491, 5595, 5704, 5718, 11539	<code>\bidituftefloatRecalculate</code>	3864, 3875
<code>\bidi@UnReplacePackage</code>	3290	<code>\bidipoem@p@RTLftntext</code>	5481, 5492, 5598, 5705, 5719, 11570	<code>\bidituftehyperrefLoadHyperref</code>	5114, 5125
<code>\bidi@warning</code>	2783, 3166, 3180, 3192, 3206	<code>\bidipoem@p@xfootnote</code> ..	5483, 5494, 5611, 5707, 5721	<code>\bidituftesidenotemarginpar</code> ..	4308, 4660, 4816
<code>\bidi@xappto</code>	2855, 2861, 2890	<code>\bidipoem@p@xftntext</code>	5482, 5493, 5602, 5616, 5706, 5720	<code>\bidituftetocError</code> ..	4845, 4892, 4901
<code>\bidi@xargdef</code>	2793, 2801	<code>\bidipoem@p@xLTRfootnote</code> ..	5485, 5496, 5618, 5709, 5723	<code>\bidiversion</code> ...	1711, 1712, 1726, 1827, 1843
<code>\bidi@xpreto</code>	2877, 2883, 2899	<code>\bidipoem@p@xLTRftntext</code>	5484, 5495, 5605, 5623, 5708, 5722	<code>\bigskip</code>	14003
<code>\bidicolor</code> ...	6424, 6480, 6495, 6497, 10203, 18080, 18127, 18130, 18131	<code>\bidipoem@p@xRTLfootnote</code> ..	5487, 5498, 5625, 5711, 5725	<code>\bigskipamount</code>	8156, 8161, 9741
<code>\bididate</code>	1710, 1712, 1726, 1826, 1843	<code>\bidipoem@p@xRTLftntext</code>	5486, 5497, 5608, 5630, 5710, 5724	<code>\bl</code>	13783, 13784, 13787, 13788, 13789, 13793, 13848, 13855, 13859
<code>\bidiGscale@@box</code> ..	10893, 10894	<code>\bidipoem@set@@verse</code> ..	5407, 5410, 5412	<code>\blacktriangleleft</code>	10610, 10612
<code>\bidiGscale@box</code> ...	10870, 10871, 10890	<code>\bidipoem@set@verseI</code>	5406, 5409	<code>\blacktriangleright</code>	10610, 10612
<code>\bidiGscale@box@dd</code>	10902, 10906, 10912	<code>\bidipoem@spreadbox</code> ..	5396, 5418, 5420, 5421, 5422	<code>\bm@b</code>	18456
<code>\bidiGscale@box@dddd</code>	10908, 10919	<code>\bidirlap</code>	18393	<code>\bm@l</code>	18453
<code>\bidillap</code>	18394	<code>\bidituftefloatDebugInfoNL</code> ..	3737, 3835, 3839, 4128, 4177	<code>\bm@r</code>	18454
<code>\bidipoem@@hvlen</code> ..	5401, 5407, 5410, 5413, 5422			<code>\bm@t</code>	18455
<code>\bidipoem@half@verses</code> ..	5427, 5428, 5431			<code>\bool</code> ...	12528, 12534, 12549, 12570, 12573, 12593, 12598, 12610, 12627, 12628, 12631, 12648, 12673, 12680, 12686, 12692, 12702, 12709, 12731, 12842, 12845, 12852, 12855
<code>\bidipoem@half@verses@next</code> ..	5427, 5428, 5429			<code>\boolean</code> ..	177, 182, 190, 383, 386, 392, 507, 510, 516, 3737, 3807, 3809, 3812, 3816, 3819, 3822, 3847, 3943, 3958, 3963, 3983, 3990, 3998, 4015, 4035, 4039, 4057, 4058, 4061, 4062,
<code>\bidipoem@hvind</code> ..	5401, 5404, 5405, 5413, 5414, 5417, 5420				
<code>\bidipoem@hvlen</code> ...	5400, 5405, 5407, 5418, 5420				
<code>\bidipoem@hvsep</code> ..	5400, 5413, 5414, 5421				
<code>\bidipoem@next</code> ..	5406, 5407				
<code>\bidipoem@openbox</code> ..	5445, 5450				



4097, 4106, 4117,	15086,	15097,	13840,	13842,
4859, 4863, 4911,	15581,	15591,	13866, 13867, 13868	
5124, 5261, 5330,	16148,	16158,		
5341, 10217, 13642	16268,	16274,		
<code>\botmark</code> . . . 10199, 18723	16280,	16286,	<code>\bx@A</code> 4163, 4204	
<code>\box</code> . . . 168, 170, 2316,	16292,	16298,	<code>\bx@a</code> 4137, 4169, 4210	
2322, 4278, 6339,	16304,	16310,	<code>\bx@AA</code> 4176, 4178, 4216	
6463, 6620, 6623,	16316,	16780,	<code>\bx@B</code> 4163, 4204	
6640, 6644, 6651,	16790,	17108,	<code>\bx@b</code> 4138, 4169, 4210	
6657, 6659, 6665,	17134,	17152,	<code>\bx@BB</code> 4179, 4216	
6666, 6687, 6693,	18024,	18025,	<code>\bx@C</code> 4163, 4204	
6698, 6704, 6705,	18035,	18209,	<code>\bx@c</code> 4139, 4169, 4210	
6760, 6763, 6768,	18396,	18476,	<code>\bx@CC</code> 4180, 4216	
6773, 6797, 6933,	18481,	18483,	<code>\bx@D</code> 4163, 4204	
6937, 6961, 7243,	18494,	18500,	<code>\bx@d</code> 4140, 4169, 4210	
7264, 7280, 7337,	18505,	18620,	<code>\bx@DD</code> 4181, 4216	
8170, 8175, 9530,	18636,	18647,	<code>\bx@E</code> 4163, 4204	
9545, 9555, 9783,	18660,	18662,	<code>\bx@e</code> 4141, 4169, 4210	
10033, 10035,	18710, 18712, 18732		<code>\bx@EE</code> 4182, 4216	
10065, 10069,	<code>\boxdef</code> . . . 2020, 2022,		<code>\bx@F</code> 4164, 4205	
10112, 10194,	2028, 2033, 2038		<code>\bx@f</code> 4142, 4170, 4211	
10220, 10225,	<code>\boxmaxdepth</code>		<code>\bx@FF</code> 4183, 4217	
10708, 10715,	. . . 7235, 7240,		<code>\bx@G</code> 4164, 4205	
10718, 10732,	7256, 7261, 7288,		<code>\bx@g</code> 4143, 4170, 4211	
10768, 10775,	7345, 8114, 9764,		<code>\bx@GG</code> 4184, 4217	
10778, 10788,	9971, 10661, 10663		<code>\bx@H</code> 4164, 4205	
10797, 10800,	<code>\br</code> 13783, 13785,		<code>\bx@h</code> 4144, 4170, 4211	
10838, 10841,	13787, 13788,		<code>\bx@HH</code> 4185, 4217	
10884, 10887,	13789, 13793,		<code>\bx@I</code> 4164, 4205	
10917, 10934,	13849, 13855, 13863		<code>\bx@i</code> 4145, 4170, 4211	
12003, 12387,	<code>\BR@b@bibitem</code> 4513, 4514		<code>\bx@II</code> 4186, 4217	
12545, 12801,	<code>\BR@bibitem</code> . 4516, 4517		<code>\bx@J</code> 4164, 4205	
12810, 12815,	<code>\BR@c@bibitem</code> 4518		<code>\bx@j</code> 4146, 4170, 4211	
12849, 12850,	<code>\bracetext</code> 1774,		<code>\bx@JJ</code> 4187, 4217	
12851, 12852,	1876, 13883,		<code>\bx@K</code> 4165, 4206	
12995, 13029,	13884, 18143, 18144		<code>\bx@k</code> 4147, 4171, 4212	
13065, 13121,	<code>\break</code> 12344		<code>\bx@KK</code> 4188, 4218	
13124, 13147,	<code>\BreakBibliography</code>		<code>\bx@L</code> 4165, 4206	
13199, 13204,	. . . . . 15453,		<code>\bx@l</code> 4148, 4171, 4212	
13340, 13346,	15485, 15487,		<code>\bx@LL</code> 4189, 4218	
13361, 13369,	15493, 16020,		<code>\bx@m</code> 4149, 4171, 4212	
13752, 13756,	16052, 16054,		<code>\bx@MM</code> 4190, 4218	
13772, 13806,	16060, 16652,		<code>\bx@N</code> 4165, 4206	
13810, 13815,	16684, 16686, 16692		<code>\bx@n</code> 4150, 4171, 4212	
13819, 13831,	<code>\bs</code> 1988, 1989, 1991		<code>\bx@NN</code> 4191, 4218	
13842, 13856,	<code>\bslice</code> 13803,		<code>\bx@O</code> 4166, 4207	
13859, 13863,	13804, 13806,		<code>\bx@o</code> 4151, 4172, 4213	
13868, 13945,	13816, 13817,		<code>\bx@OO</code> 4192, 4219	
13990, 13993,	13819, 13839,		<code>\bx@P</code> 4166, 4207	
15039, 15048,			<code>\bx@p</code> 4152, 4172, 4213	
			<code>\bx@PP</code> 4193, 4219	



<code>\bx@Q</code>	4166, 4207	10234, 10242,	1455, 1514, 1915,
<code>\bx@q</code>	4153, 4172, 4213	10244, 10246,	5858, 6034, 6171,
<code>\bx@QQ</code>	4194, 4219	10247, 12041,	7708, 7805,
<code>\bx@R</code>	4166, 4207	12957, 13542,	9908, 10560,
<code>\bx@r</code>	4154, 4172, 4213	14230, 14232,	10574, 11323,
<code>\bx@RR</code>	4195, 4219	14234, 14595,	11433, 11441,
<code>\bx@S</code> 4127, 4129, 4167, 4208		14597, 14599,	11471, 11479,
<code>\bx@s</code>	4155, 4173, 4214	14783, 14785,	12400, 12403,
<code>\bx@SS</code>	4196, 4220	14787, 14964,	14247, 14306,
<code>\bx@T</code>	4130, 4167, 4208	14966, 14968, 14969	14386, 14447,
<code>\bx@t</code>	4156, 4173, 4214	<code>\c@colht</code>	14642, 14685,
<code>\bx@TT</code>	4197, 4220	13078, 13104,	14871, 15215,
<code>\bx@U</code>	4131, 4167, 4208	13105, 13148,	15279, 15726,
<code>\bx@u</code>	4157, 4173, 4214	13160, 13186, 13187	15790, 16401, 16465
<code>\bx@UU</code>	4198, 4220	<code>\c@curpg</code>	<code>\c@L@depth</code>
<code>\bx@V</code>	4132, 4167, 4208	. 10126, 10153, 10154	11959
<code>\bx@v</code>	4158, 4173, 4214	<code>\c@DFNsloppiness</code> . .	<code>\c@L@lines</code> . 11960, 11962
<code>\bx@VV</code>	4199, 4220	. . . . . 7233, 7254	<code>\c@ll@chapseci</code> . . . 6505
<code>\bx@W</code>	4133, 4168, 4209	<code>\c@enumiv</code> 785, 792, 919,	<code>\c@ll@chapsecii</code> . . 6500
<code>\bx@w</code>	4159, 4174, 4215	926, 1181, 1188,	<code>\c@lofdepth</code> 17430, 17467
<code>\bx@WW</code>	4200, 4221	1430, 1437, 2570,	<code>\c@lor@error</code> . . 6469,
<code>\bx@X</code>	4134, 4168, 4209	5813, 5820, 6000,	6476, 6484,
<code>\bx@x</code>	4160, 4174, 4215	6007, 6308, 6315,	6490, 18072, 18106
<code>\bx@XX</code>	4201, 4221	7649, 7656, 7919,	<code>\c@lotdepth</code> 17448, 17487
<code>\bx@Y</code>	4135, 4168, 4209	7926, 9857, 9864,	<code>\c@lstlisting</code>
<code>\bx@y</code>	4161, 4174, 4215	14211, 14218,	. . . . . 12041, 12043
<code>\bx@YY</code>	4202, 4221	14604, 14611,	<code>\c@LT@chunks</code> 12370
<code>\bx@Z</code>	4136, 4168, 4209	14797, 14804,	<code>\c@LT@tables</code> 2288
<code>\bx@z</code>	4162, 4174, 4215	14999, 15006,	<code>\c@mpfootnote</code>
<code>\bx@ZZ</code>	4203, 4221	15461, 15470,	. . 10488, 10501,
		15477, 16028,	10514, 10538, 12475
		16037, 16044,	<code>\c@NAT@ctr</code> 13501
		16660, 16669,	<code>\c@page</code> 5268,
		16676, 17199, 17206	7396, 7413, 10126,
		<code>\c@equation</code> . . 5843,	10153, 17987, 18616
		6019, 6264, 7489,	<code>\c@paragraph</code> . . . 760,
		7558, 7874, 9964,	913, 1166, 1424,
		10229, 10242,	5840, 6016, 6273,
		12957, 14230,	7760, 7883,
		14599, 14783,	9961, 10238,
		14964, 16007, 16639	10251, 12952,
		<code>\c@figure</code> 5845, 6021,	14227, 14592,
		6266, 7876, 9966,	14791, 14973,
		10231, 10244,	15438, 15981, 16625
		12958, 14232,	<code>\c@poem@no</code> . . . 5537,
		14595, 14785,	5587, 5638, 5649
		14966, 15991, 16631	<code>\c@secnumdepth</code>
		<code>\c@footnote</code> . . . 124,	. . . . . 306, 763,
		320, 665, 955,	772, 6083, 6278,
		1014, 1206, 1265,	7619, 7628, 7888,
			9828, 14007, 14978

C



<code>\c@section</code> . . .	5837, 6013, 6270, 7880, 9958, 10235, 10248, 12946, 13552, 14224, 14589, 14788, 14970, 15975, 16619	6241, 7592, 7606, 7860, 9796, 9811, 13265, 13277, 13289, 14141, 14157, 14173, 14512, 14528, 14544, 14743, 14757, 14926, 14941, 15370, 15403, 15881, 15908, 15936, 16556, 16584, 17275, 17279, 17321, 17340, 17362, 17379, 17396, 17413, 17581, 17777, 18458	<code>\cals@setcellprevdepth</code> 6396 <code>\cals@setpadding</code> . 6396 <code>\cals@tbreak@tokens</code> 6391 <code>\cals@tfoot@height</code> 6392 <code>\cals@tfoot@tokens</code> 6390, 6404 <code>\cals@thead@tokens</code> 6389 <code>\CAny</code> 2009 <code>\Any</code> 2017 <code>\cap@indent</code> 15558, 15561, 15566, 15568, 15569, 16125, 16128, 16133, 16135, 16136, 16757, 16760, 16765, 16767, 16768
<code>\c@subparagraph</code> 761, 914, 1167, 1425, 5841, 6017, 6274, 7761, 7884, 9962, 10239, 10252, 12954, 14228, 14593, 14792, 14974, 15440, 15983, 16627	14757, 14926, 14941, 15370, 15403, 15881, 15908, 15936, 16556, 16584, 17275, 17279, 17321, 17340, 17362, 17379, 17396, 17413, 17581, 17777, 18458	<code>\cap@left</code> 15580, 15591, 16147, 16158, 16779, 16790 <code>\cap@margin</code> 15523, 16090, 16722 <code>\cap@right</code> ... 15582, 15591, 16149, 16158, 16781, 16790 <code>\cap@width</code> 15546, 15549, 15552, 16113, 16116, 16119, 16745, 16748, 16751 <code>\capfont</code> 15533, 15554, 15559, 15564, 15568, 15587, 15591, 16100, 16121, 16126, 16131, 16135, 16154, 16158, 16732, 16753, 16758, 16763, 16767, 16786, 16790 <code>\caplabelfont</code> . 15534, 15555, 15560, 15565, 15570, 15588, 16101, 16122, 16127, 16132, 16137, 16155, 16733, 16754, 16759, 16764, 16769, 16787
<code>\c@subsection</code> . . . . .	.. 758, 911, 1164, 1422, 5838, 6014, 6271, 7758, 7881, 9959, 10236, 10249, 12948, 14225, 14590, 14789, 14971, 15434, 15977, 16621	<code>\c@twb</code> 6630 <code>\c@twcompctr</code> 6611 <code>\c@twcompodctr</code> .. 6627 <code>\c@twfirst</code> 6612, 6618, 6625, 6629, 6638, 6641 <code>\c@twlftside</code> 6616 <code>\c@twlspec</code> 6630, 6633, 6637 <code>\c@twprune</code> ... 6616, 6617, 6633, 6637 <code>\c@twrounds</code> .. 6628, 6631, 6634, 6646 <code>\c@twrtside</code> 6617 <code>\c@twslicea</code> 6614, 6616, 6620, 6623, 6632, 6633, 6640, 6644 <code>\c@twsliceb</code> 6615, 6617, 6620, 6623, 6636, 6637, 6640, 6644 <code>\c@twwinlines</code> 6613, 6626 <code>\c@zabspage</code> 10292 <code>\cals@activate@rtl</code> 6381 <code>\cals@borderB</code> 6402 <code>\cals@borderL</code> 6399 <code>\cals@borderR</code> 6400 <code>\cals@borderT</code> 6401 <code>\cals@current@context</code> 6394 <code>\cals@last@context</code> 6393 <code>\cals@paddingL</code> 6407, 6411 <code>\cals@paddingR</code> 6408, 6412 <code>\cals@set@tohsize</code> 6396
<code>\c@subsection</code> 759,	912, 1165, 1423, 5839, 6015, 6272, 7759, 7882, 9960, 10237, 10250, 12950, 14226, 14591, 14790, 14972, 15436, 15979, 16623	6612, 6618, 6625, 6629, 6638, 6641 6616 .. 6630, 6633, 6637 6616, 6617, 6633, 6637 6628, 6631, 6634, 6646 6617 6614, 6616, 6620, 6623, 6632, 6633, 6640, 6644 6615, 6617, 6620, 6623, 6636, 6637, 6640, 6644 6613, 6626 10292 6381 6402 6399 6400 6401 6394 6393 6407, 6411 6408, 6412 6396	
<code>\c@table</code> .	5847, 6023, 6268, 7878, 9968, 10233, 10246, 12959, 14234, 14597, 14787, 14968, 15999, 16635	6612, 6618, 6625, 6629, 6638, 6641 6616 .. 6630, 6633, 6637 6616, 6617, 6633, 6637 6628, 6631, 6634, 6646 6617 6614, 6616, 6620, 6623, 6632, 6633, 6640, 6644 6615, 6617, 6620, 6623, 6636, 6637, 6640, 6644 6613, 6626 10292 6381 6402 6399 6400 6401 6394 6393 6407, 6411 6408, 6412 6396	
<code>\c@thisframe</code> . . . . .	.. 10125, 10130, 10166, 10168, 10169	6612, 6618, 6625, 6629, 6638, 6641 6616 .. 6630, 6633, 6637 6616, 6617, 6633, 6637 6628, 6631, 6634, 6646 6617 6614, 6616, 6620, 6623, 6632, 6633, 6640, 6644 6615, 6617, 6620, 6623, 6636, 6637, 6640, 6644 6613, 6626 10292 6381 6402 6399 6400 6401 6394 6393 6407, 6411 6408, 6412 6396
<code>\c@tocdepth</code> .	3, 204, 720, 737, 855, 871, 889, 1081, 1114, 1132, 1336, 1352, 1370, 5748, 5764, 5780, 5924, 5940, 5956, 6226,	6612, 6618, 6625, 6629, 6638, 6641 6616 .. 6630, 6633, 6637 6616, 6617, 6633, 6637 6628, 6631, 6634, 6646 6617 6614, 6616, 6620, 6623, 6632, 6633, 6640, 6644 6615, 6617, 6620, 6623, 6636, 6637, 6640, 6644 6613, 6626 10292 6381 6402 6399 6400 6401 6394 6393 6407, 6411 6408, 6412 6396	



<code>\caption</code>	3952, 3953, 3955, 4005, 11026, 11044, 12347, 13033, 13035	<code>\cftbeforeparaskip</code>	17397	<code>\cftpartindent</code>	17293, 17296
<code>\caption@par</code>	6416	<code>\cftbeforepartskip</code>	17291	<code>\cftpartnumwidth</code>	17299
<code>\caption@hangindent</code>	6417	<code>\cftbeforesecskip</code>	17342, 17345	<code>\cftpartpresnum</code>	17300, 17304
<code>\caption@makecaption</code>	6414	<code>\cftbeforesubfigskip</code>	17468	<code>\cftsecaftersnum</code>	17355
<code>\caption@parindent</code>	6417	<code>\cftbeforesubparaskip</code>	17414	<code>\cftsecaftersnumb</code>	17356
<code>\caption@startrue</code>	12035	<code>\cftbeforesubsecskip</code>	17363	<code>\cftsecfillnum</code>	17359
<code>\captionabove</code>	15639, 15644, 16206, 16211, 16838, 16843	<code>\cftbeforesubsubsecskip</code>	17380	<code>\cftsecfont</code>	17358
<code>\captionbelow</code>	15641, 15646, 16208, 16213, 16840, 16845	<code>\cftbeforesubsubsecskip</code>	17380	<code>\cftsecindent</code>	17347, 17350
<code>\captionformat</code>	15534, 15555, 15560, 15565, 15570, 15588, 16101, 16122, 16127, 16132, 16137, 16155, 16733, 16754, 16759, 16764, 16769, 16787	<code>\cftbeforesubtabskip</code>	17488	<code>\cftsecnumwidth</code>	17353
<code>\captionlabelfalse</code>	12033	<code>\cftbeforetabskip</code>	17449	<code>\cftsecpresnum</code>	17354
<code>\catcode</code>	1828, 1879, 2978, 4485, 4507, 5435, 5436, 5438, 5439, 10619, 10620, 10735	<code>\cftchapaftersnum</code>	17332	<code>\cftsubfigaftersnum</code>	17477
<code>\Centering</code>	14017	<code>\cftchapaftersnumb</code>	17333	<code>\cftsubfigaftersnumb</code>	17478
<code>\centering</code>	305, 7090, 7103, 7219, 10003, 10008, 11056, 11141, 11157, 12980, 12982, 12984, 15262, 15773, 16448	<code>\cftchapfillnum</code>	17336	<code>\cftsubfigfillnum</code>	17481
<code>\CenteringLeftskip</code>	14022	<code>\cftchapfont</code>	17335	<code>\cftsubfigfont</code>	17480
<code>\CenteringParfillskip</code>	14025	<code>\cftchapindent</code>	17324, 17327, 17574	<code>\cftsubfigindent</code>	17469, 17472
<code>\CenteringParindent</code>	14026	<code>\cftchapnumwidth</code>	17330, 17575	<code>\cftsubfignumwidth</code>	17475
<code>\CenteringRightskip</code>	14023	<code>\cftchappresnum</code>	17331	<code>\cftsubfigpresnum</code>	17476
<code>\centerline</code>	309, 10715, 10732, 13956, 18380	<code>\cftchapterprecistoc</code>	17573	<code>\cftsubparaaftersnum</code>	17423
<code>\cftbeforechapskip</code>	17323	<code>\cftdot</code>	17271	<code>\cftsubparaaftersnumb</code>	17424
<code>\cftbeforefigskip</code>	17431	<code>\cftdotfill</code>	17565	<code>\cftsubparafillnum</code>	17427
		<code>\cftdotsep</code>	17564	<code>\cftsubparafont</code>	17426
		<code>\cftfigaftersnum</code>	17440	<code>\cftsubparaindent</code>	17415, 17418
		<code>\cftfigaftersnumb</code>	17441	<code>\cftsubparanumwidth</code>	17421
		<code>\cftfigfillnum</code>	17444	<code>\cftsubparapresnum</code>	17422
		<code>\cftfigfont</code>	17443	<code>\cftsubsecaftersnum</code>	17372
		<code>\cftfigindent</code>	17432, 17435	<code>\cftsubsecaftersnumb</code>	17373
		<code>\cftfignumwidth</code>	17438	<code>\cftsubsecfillnum</code>	17376
		<code>\cftfigpresnum</code>	17439	<code>\cftsubsecfont</code>	17375
		<code>\cftparaaftersnum</code>	17406	<code>\cftsubsecindent</code>	17364, 17367
		<code>\cftparaaftersnumb</code>	17407	<code>\cftsubsecnumwidth</code>	17370
		<code>\cftparafillnum</code>	17410	<code>\cftsubsecpresnum</code>	17371
		<code>\cftparafont</code>	17409	<code>\cftsubsubsecaftersnum</code>	17389
		<code>\cftparaindent</code>	17398, 17401	<code>\cftsubsubsecaftersnumb</code>	17390
		<code>\cftparanumwidth</code>	17404	<code>\cftsubsubsecfillnum</code>	17393
		<code>\cftparapresnum</code>	17405		
		<code>\cftpartaftersnum</code>	17301		
		<code>\cftpartaftersnumb</code>	17302		
		<code>\cftpartfillnum</code>	17305		
		<code>\cftpartfont</code>	17304		



<code>\cftsubsubsecfont</code>	17392	6542, 6545, 6552,	15008, 15009,
<code>\cftsubsubsecindent</code>		6555, 6565, 6568,	15479, 16046,
.....	17381, 17384	6575, 6578, 6588,	16678, 17208, 17209
<code>\cftsubsubsecnumwidth</code>		6591, 6598, 6601	<code>\coffeefont</code> 13285
.....	17387	<code>\cite</code> 4522,	<code>\col@number</code> 128, 133,
<code>\cftsubsubsecpresnum</code>		4614, 4620, 4621,	135, 138, 139, 146,
.....	17388	4712, 4717, 4738,	671, 1020, 1271,
<code>\cftsubtabaftersnum</code>		4746, 4767, 4775,	1520, 2267, 6177,
.....	17497	4796, 4814, 4818,	7714, 7811, 9914,
<code>\cftsubtabaftersnumb</code>		4823, 4827, 4832,	12924, 13227,
.....	17498	4836, 13510, 13511	13309, 13314,
<code>\cftsubtabfillnum</code>	17501	<code>\citeasnoun</code> 13511	13381, 13382,
<code>\cftsubtabfont</code> . .	17500	<code>\citeN</code> 13510	13384, 13387,
<code>\cftsubtabindent</code> . .		<code>\cites</code> 4615	13388, 13395,
.....	17489, 17492	<code>\cl@ckpt</code> 16996	14312, 14453,
<code>\cftsubtabnumwidth</code>	17495	<code>\ClassInfo</code> 5299, 5364,	14696, 14877,
<code>\cftsubtabpresnum</code>	17496	15650, 16217, 16849	15283, 15794, 16469
<code>\cfttabaftersnum</code> .	17458	<code>\ClassWarning</code>	<code>\col@sep</code> 591, 619, 6420,
<code>\cfttabaftersnumb</code>	17459	15272, 15783, 16458	6421, 12359, 18222
<code>\cfttabfillnum</code> . . .	17462	<code>\ClassWarningNoLine</code>	<code>\color</code> 177, 1949, 1950,
<code>\cfttabfont</code>	17461	..... 13017	1951, 1952, 2495,
<code>\cfttabindent</code>	17450, 17453	<code>\clear</code> 3615	6465, 6468, 6471,
<code>\cfttabnumwidth</code> . .	17456	<code>\cleardoubleemptypage</code>	6489, 6492, 7084,
<code>\cfttabpresnum</code> . . .	17457	..... 15219,	7087, 7097, 7215,
<code>\chapnumfont</code>	14006	15264, 15730,	11885, 12438, 18037
<code>\chapter</code>	4857,	15775, 16405, 16450	<code>\color@</code> 18077, 18124
	4885, 4955, 4963,	<code>\cleardoublepage</code> . .	<code>\color@b@x</code> . . . 6457,
	5079, 5085, 5810,	... 5221, 5266,	6495, 6497,
	5997, 6305, 7916,	5268, 5325, 5338,	18030, 18127, 18130
	9854, 14208,	5352, 6299, 7910	<code>\color@begingroup</code> .
	14601, 14794, 14996	<code>\clearpage</code> 815,	... 4669, 4686,
<code>\chapterheadendvskip</code>		831, 1079, 1330,	4703, 5712, 5726,
.....	14012	3574, 3575, 3578,	7988, 8004, 8020,
<code>\chapterheadstartvskip</code>		4224, 5233, 5268,	8033, 8046, 8059,
.....	14004	5354, 5742, 5918,	8204, 8214, 8224,
<code>\chaptermark</code>	5342, 17234	6127, 6301, 7912,	8250, 8263, 8275,
<code>\chaptername</code> .	310, 12966	14117, 14371,	8302, 8315, 8353,
<code>\chapterstyle</code>	12961	14828, 15327,	8362, 8371, 8396,
<code>\char</code>	1992, 1993	15838, 16513, 17268	8408, 8419, 8445,
<code>\chardef</code>	10619, 11978, 11979	<code>\clipbox@</code> 13992	8457, 8495, 8505,
<code>\check@floats</code>	6818, 6983	<code>\closing</code> . . . 7949, 16324	8515, 8541, 8554,
<code>\CheckCommand</code> .	3210,	<code>\clubpenalty</code> 88,	8566, 8593, 8606,
	11430, 11468, 14068	297, 794, 795,	8644, 8654, 8664,
<code>\checkoddpage</code>	3846	927, 1189, 1438,	8690, 8703, 8715,
<code>\CIIAny</code>	2010	2571, 5553, 5821,	8742, 8755, 8793,
<code>\ciiAny</code>	2018	6008, 6317, 6318,	8803, 8813, 8839,
<code>\circle</code>	6519,	7657, 7928, 7929,	8852, 8864, 8891,
	6522, 6529, 6532,	9865, 13507,	8904, 8942, 8952,
		14219, 14612,	8962, 8988, 9001,
		14806, 14807,	9013, 9040, 9053,



9091, 9101, 9111,	9502, 9590, 9602,	\columnwidth 28,
9137, 9150, 9162,	9614, 9640, 9654,	40, 53, 68, 238,
9189, 9202, 9240,	9668, 9703, 9717,	249, 262, 276,
9250, 9260, 9286,	9773, 10442,	752, 756, 941,
9299, 9311, 9338,	10458, 10473,	1175, 1420, 2250,
9351, 9389, 9399,	10499, 10512,	5835, 5988, 6257,
9409, 9435, 9448,	10525, 10555, 18333	6261, 6368, 6655,
9460, 9487, 9500,	\color@fb@x 18128, 18129	6657, 6659, 6661,
9588, 9600, 9612,	\color@fbox 6496, 18128	6692, 6697, 6757,
9638, 9652, 9666,	\color@hbox	6759, 6762, 6765,
9701, 9715, 9769,	. . . 15108, 15118,	6767, 6772, 6933,
10439, 10455,	15136, 18704, 18714	6937, 7233, 7254,
10470, 10496,	\color@setgroup . . .	7664, 7668, 7962,
10509, 10522,	. . . . . 6498, 18132	7966, 7975, 7985,
10534, 12412, 18331	\color@vbox . . 2238,	8001, 8017, 8030,
\color@block 6462, 18035	4335, 4379,	8043, 8056, 8247,
\color@box . 6495, 18127	4423, 18549, 18593	8259, 8272, 8312,
\color@endbox . 2260,	\colorA 6085, 6094, 6106	8393, 8404, 8416,
4344, 4388, 4432,	\colorB 6091,	8454, 8538, 8550,
15111, 15121,	6097, 6103, 6109	8563, 8603,
15139, 18558,	\colorblend . . 18044,	8687, 8699, 8712,
18602, 18707, 18717	18045, 18087, 18088	8752, 8836, 8848,
\color@endgroup 4673,	\colorbox 2065, 2067, 2068	8861, 8901, 8985,
4690, 4707, 5714,	\columncolor . 1674, 6428	8997, 9010, 9050,
7992, 8008, 8024,	\columnsep 95,	9134, 9146, 9159,
8038, 8051, 8064,	225, 808, 824,	9199, 9283, 9295,
8151, 8206, 8216,	1072, 1323, 1898,	9308, 9348, 9432,
8226, 8252, 8265,	2404, 5735, 5911,	9444, 9457, 9497,
8277, 8304, 8317,	6120, 6660, 6764,	9634, 9648, 9662,
8355, 8364, 8373,	10036, 10801,	9711, 9847, 9851,
8398, 8410, 8421,	13126, 13224,	10031, 10033,
8447, 8459, 8497,	13317, 13363,	10035, 10037,
8507, 8517, 8543,	14110, 14364,	10065, 10069,
8556, 8568, 8595,	14821, 17992,	10350, 10353,
8608, 8646, 8656,	17997, 18001,	10355, 10435,
8666, 8692, 8705,	18007, 18010, 18484	10451, 10466,
8717, 8744, 8757,	\columnseprule . . 95,	10492, 10505,
8795, 8805, 8815,	225, 807, 823,	10518, 10536,
8841, 8854, 8866,	1071, 1322, 1899,	10750, 10757,
8893, 8906, 8944,	2405, 5734, 5910,	10774, 10777,
8954, 8964, 8990,	6119, 6656, 6695,	10794, 10796,
9003, 9015, 9042,	6758, 6770, 6935,	10799, 10802,
9055, 9093, 9103,	10032, 10067,	10998, 10999,
9113, 9139, 9152,	10776, 10795,	11857, 11861,
9164, 9191, 9204,	13118, 13201,	12415, 13116,
9242, 9252, 9262,	13342, 13353,	13120, 13123,
9288, 9301, 9313,	14109, 14363,	13125, 13198,
9340, 9353, 9391,	14820, 18480, 18502	13203, 13224,
9401, 9411, 9437,	\columnseprulecolor	13253, 13259,
9450, 9462, 9489,	. . . . . 13341, 13352	13411, 13415,



13419, 13423,	14014, 18208,	209, 252, 265,
14205, 14626,	18545, 18589, 18652	279, 335, 336,
14776, 14780,	<code>\cor@height</code> .. 13073,	595, 1577, 2094,
14957, 14961,	13074, 13101,	2095, 2109, 2110,
15200, 15509,	13102, 13138,	2137, 2140, 2143,
15514, 15711,	13155, 13156,	2159, 2167, 2175,
16076, 16081,	13183, 13184, 13217	2230, 2288, 2601,
16246, 16250,	<code>\count</code> 2233,	2602, 2625, 2626,
16386, 16708,	4320, 4364, 4408,	2653, 2680, 2684,
16713, 18479,	8162, 8190, 8293,	2689, 2691, 2695,
18481, 18483,	8339, 8436, 8481,	2696, 2705, 2747,
18485, 18499,	8584, 8630, 8733,	2757, 2763, 2764,
18504, 18641, 18643	8779, 8882, 8928,	2766, 2767, 2769,
<code>\contentslabel</code>	9031, 9077, 9180,	2770, 2772, 2808,
.... 4916, 4923,	9226, 9329,	2809, 2832, 2887,
4930, 4937, 4944	9375, 9478, 9566,	2888, 2889, 2890,
<code>\contentsline</code> 11261	9685, 10136,	2896, 2897, 2898,
<code>\contentsmargin</code> .. 17174	10769, 10789,	2899, 2982, 2983,
<code>\contentspush</code> 17148	18534, 18578, 18681	2986, 2987, 3162,
<code>\convertcolorspec</code> .	<code>\count@</code> ... 1614, 1673,	3164, 3176, 3178,
..... 18051,	2673, 2678, 3662,	3216, 3219, 3223,
18054, 18094, 18097	3663, 3665, 6426,	3240, 3243, 3245,
<code>\Coord</code> 2006	13304, 13305,	3255, 3258, 3260,
<code>\coord</code> 2011	13307, 13309,	3267, 3272, 3277,
<code>\CoordIII</code> 2008	13316, 13337,	3287, 3303, 3306,
<code>\coordiii</code> 2013	13338, 13340,	3320, 3332, 3364,
<code>\Coordn</code> 2007	13357, 13358,	3375, 3459, 3462,
<code>\coordn</code> 2012	13361, 13608,	3502, 3551, 3691,
<code>\Coordx</code> .. 2003, 2006,	13616, 13629, 17035	3712, 3775, 4067,
2007, 2008, 2009,	<code>\counterwithout</code> ...	4068, 4075, 4076,
2010, 2011, 2012,	..... 12962,	4476, 4667, 4684,
2013, 2017, 2018	12963, 12964, 12965	4701, 4732, 4761,
<code>\coordx</code> 2014	<code>\cr</code> 607, 5500,	4790, 5032, 5558,
<code>\Coordy</code> .. 2004, 2006,	5507, 5563, 8173,	5593, 5596, 5599,
2007, 2008, 2009,	8177, 8179, 12374,	5613, 5620, 5627,
2010, 2011, 2012,	16940, 16979, 18430	5635, 5636, 5674,
2013, 2017, 2018	<code>\crrc</code> 618,	5699, 5700, 6471,
<code>\coordy</code> 2015	2131, 2277, 5503,	6477, 6485, 6492,
<code>\Coordz</code> .. 2005, 2008,	16927, 16959,	7009, 7987, 8003,
2010, 2013, 2018	18233, 18238, 18416	8019, 8032, 8045,
<code>\coordz</code> 2016	<code>\CROP@llc</code> 6561	8058, 8203, 8213,
<code>\copy</code> 2313,	<code>\CROP@lrc</code> 6584	8223, 8249, 8262,
2325, 2329, 4331,	<code>\CROP@ulc</code> 6515	8274, 8292, 8293,
4375, 4419, 6372,	<code>\CROP@urc</code> 6538	8301, 8314, 8352,
6739, 6745, 6905,	<code>\CROP@execopt</code> 6608	8361, 8370, 8395,
6917, 7244, 7265,	<code>\cs</code> 12508, 12523, 12749,	8407, 8418, 8435,
10014, 10046,	12808, 12856,	8436, 8444, 8456,
10829, 10875,	12857, 12868, 12892	8494, 8504, 8514,
13876, 13944,	<code>\csname</code> 8, 43,	8540, 8553, 8565,
	56, 71, 162, 164,	8583, 8584, 8592,



8605, 8643, 8653,	15671, 16338,	\customername 16284
8663, 8689, 8702,	16342, 16346,	\CustomFBox 10599
8714, 8732, 8733,	16930, 16957,	\cvcomputer 2527
8741, 8754, 8792,	16959, 16991,	\cvdoubleitem 2504, 2528
8802, 8812, 8838,	17013, 17015,	\cventry 2516
8851, 8863, 8881,	17031, 17032,	\cvlanguage 2525
8882, 8890, 8903,	17052, 17059,	\cvline 2499,
8941, 8951, 8961,	17251, 17514,	2500, 2505, 2509,
8987, 9000, 9012,	17515, 17531,	2511, 2517, 2526
9030, 9031, 9039,	17532, 17533,	\cvlistdoubleitem 2510
9052, 9090, 9100,	17540, 17542,	\cvlistitem 2508
9110, 9136, 9149,	17543, 17609,	\cvtheme 2442, 2445
9161, 9179, 9180,	17611, 17618,	
9188, 9201, 9239,	17619, 17623,	
9249, 9259, 9285,	17628, 17632,	D
9298, 9310, 9328,	17643, 17644,	\d@llarbegin
9329, 9337, 9350,	17648, 17654,	. 591, 620, 1618,
9388, 9398, 9408,	17709, 17710,	1619, 1620, 1683,
9434, 9447, 9459,	17714, 17810,	1686, 1687, 6433,
9477, 9478, 9486,	17811, 17813,	6436, 6437, 18222
9499, 9586, 9598,	17816, 17817,	\d@llarend
9610, 9636, 9650,	17821, 18264,	. 592, 620, 1618,
9664, 9684, 9685,	18319, 18419, 18787	1619, 1620, 1685,
9699, 9713, 9973,	\CT@do@color 6423	1686, 1687, 6435,
10114, 10115,	\CT@cell@color 1698, 6448	6436, 6437, 18223
10120, 10121,	\CT@color 6422	\dashgapcolor 1678
10211, 10212,	\CT@column@color . .	\date . . 659, 695, 997,
10213, 10214,	. . . . . 1696, 6446	1042, 1248, 1293,
10216, 10218,	\CT@do@color	1497, 1542, 1933,
10219, 10220,	. . 1699, 6423, 6449	5146, 5194, 5900,
10221, 10223,	\CT@extract . 1674, 6428	6076, 6165, 6201,
10224, 10225,	\CT@row@color 1697, 6447	7702, 7736, 7799,
10282, 10306,	\CT@setup 1663, 1664,	7835, 9902, 9936,
10324, 10410,	1666, 1667, 1671,	14289, 14334,
10419, 10437,	1695, 6419, 6445	14430, 14477,
10453, 10468,	\cumpartcl 13780	14679, 14720,
10495, 10508,	\cumtcl 13780	14865, 14901,
10521, 10568,	\curraddr 324	15323, 15834, 16509
10583, 11263,	\current@color	\datename 16314
11266, 11268,	. . . 6464, 6470,	\deadcycles . 3147, 3150
11272, 11276,	6477, 6485, 6491,	\debugfootnotedirection
11290, 11301,	10597, 10602,	. . . . . 10269
11312, 11512,	18036, 18073,	\DeclareGraphicsRule 361
11543, 11574,	18074, 18078,	\DeclareOption 2334,
11889, 11892,	18107, 18108, 18125	2337, 2340, 2343,
12230, 12296,	\CurrentOption 5280,	2346, 2349, 2352,
13046, 13047,	5281, 5282, 5283,	2357, 2358, 2359,
13054, 15152,	5284, 5304, 5305,	2360, 2361, 2363,
15156, 15160,	5306, 5307,	3741, 3742, 3744,
15663, 15667,	5308, 7030, 7128	3746, 3749, 3754,
		4851, 4852, 5110,



5111, 5136, 5137,	1585, 1613, 1626,	2824, 2826, 2827,
5280, 5281, 5282,	1627, 1630, 1643,	2838, 2911, 2930,
5283, 5284, 5304,	1651, 1659, 1660,	2962, 2963, 2964,
5305, 5306, 5307,	1663, 1664, 1667,	2975, 2989, 2992,
5308, 7020, 7022,	1672, 1710, 1711,	2993, 3005, 3017,
7024, 7026, 7028,	1771, 1773, 1774,	3021, 3024, 3037,
7029, 7118, 7120,	1826, 1827, 1864,	3046, 3074, 3102,
7122, 7124, 7126, 7127	1872, 1873, 1874,	3105, 3106, 3114,
\DeclareRobustCommand	1875, 1876, 1886,	3115, 3124, 3137,
..... 1991,	1891, 1916, 1917,	3153, 3241, 3244,
1992, 1993, 1994,	1999, 2000, 2001,	3253, 3256, 3408,
1995, 1996, 1997,	2003, 2004, 2005,	3419, 3458, 3571,
4080, 4087, 6465,	2006, 2007, 2008,	3581, 3594, 3648,
6480, 18037, 18080	2009, 2010, 2011,	3658, 3660, 3665,
\DecMargin 190	2012, 2013, 2014,	3670, 3676, 3677,
\dedication	2015, 2016, 2017,	3680, 3687, 3695,
15322, 15833, 16508	2018, 2023, 2034,	3710, 3770, 3793,
\dedicatory 325	2065, 2066, 2067,	3884, 3905, 3909,
\def	2068, 2075, 2081,	3922, 3996, 4065,
2, 23, 26, 30, 34, 47,	2087, 2095, 2100,	4083, 4089, 4126,
62, 91, 94, 103,	2102, 2110, 2115,	4251, 4253, 4254,
104, 105, 106, 118,	2116, 2131, 2136,	4255, 4264, 4266,
128, 129, 131, 167,	2139, 2142, 2147,	4267, 4268, 4272,
168, 169, 170, 180,	2150, 2153, 2157,	4274, 4280, 4281,
184, 203, 224,	2165, 2173, 2180,	4308, 4322, 4325,
233, 234, 235,	2182, 2183, 2185,	4329, 4333, 4346,
236, 240, 243,	2254, 2263, 2276,	4352, 4366, 4369,
256, 270, 300,	2303, 2417, 2418,	4373, 4377, 4390,
303, 315, 321,	2419, 2420, 2421,	4396, 4410, 4413,
338, 340, 345,	2422, 2424, 2425,	4417, 4421, 4434,
395, 396, 397,	2443, 2444, 2447,	4471, 4486, 4501,
412, 416, 488,	2448, 2449, 2450,	4506, 4632, 4634,
562, 564, 589,	2451, 2452, 2453,	4662, 4679, 4696,
594, 596, 617,	2454, 2455, 2456,	4716, 4745, 4774,
618, 619, 620,	2457, 2458, 2459,	4994, 5031, 5039,
666, 667, 698,	2574, 2595, 2596,	5268, 5406, 5407,
762, 798, 929,	2599, 2605, 2608,	5409, 5427, 5428,
952, 953, 961,	2619, 2620, 2623,	5431, 5441, 5442,
1000, 1001, 1003,	2629, 2632, 2643,	5443, 5444, 5450,
1008, 1010, 1015,	2645, 2648, 2652,	5453, 5464, 5465,
1017, 1045, 1191,	2658, 2666, 2667,	5466, 5476, 5502,
1203, 1204, 1212,	2668, 2669, 2670,	5506, 5513, 5535,
1251, 1252, 1254,	2671, 2672, 2679,	5554, 5555, 5556,
1259, 1261, 1266,	2680, 2684, 2688,	5562, 5592, 5595,
1267, 1296, 1440,	2690, 2735, 2743,	5598, 5602, 5605,
1452, 1453, 1461,	2764, 2772, 2773,	5608, 5611, 5618,
1500, 1501, 1503,	2774, 2780, 2782,	5625, 5635, 5636,
1508, 1510, 1515,	2783, 2784, 2787,	5637, 5647, 5651,
1517, 1545, 1565,	2789, 2791, 2797,	5654, 5659, 5660,
1575, 1576, 1579,	2801, 2804, 2813,	5661, 5663, 5672,



5678, 5699, 5700,
5823, 5855, 5856,
5864, 6010, 6031,
6032, 6040, 6080,
6100, 6172, 6173,
6204, 6275, 6289,
6321, 6325, 6337,
6350, 6357, 6361,
6364, 6419, 6422,
6425, 6457, 6464,
6467, 6474, 6482,
6488, 6495, 6496,
6498, 6612, 6625,
6628, 6629, 6634,
6641, 6646, 6649,
6684, 6728, 7227,
7231, 7234, 7252,
7255, 7273, 7330,
7388, 7430, 7457,
7459, 7464, 7495,
7496, 7569, 7618,
7637, 7659, 7709,
7710, 7739, 7806,
7807, 7838, 7885,
7900, 7932, 7974,
7981, 7997, 8013,
8029, 8042, 8055,
8082, 8083, 8084,
8095, 8140, 8199,
8209, 8219, 8245,
8257, 8270, 8297,
8310, 8325, 8330,
8348, 8357, 8366,
8391, 8402, 8414,
8440, 8452, 8467,
8472, 8490, 8500,
8510, 8536, 8548,
8561, 8588, 8601,
8616, 8621, 8639,
8649, 8659, 8685,
8697, 8710, 8737,
8750, 8765, 8770,
8788, 8798, 8808,
8834, 8846, 8859,
8886, 8899, 8914,
8919, 8937, 8947,
8957, 8983, 8995,
9008, 9035, 9048,
9063, 9068, 9086,
9096, 9106, 9132,

9144, 9157, 9184,
9197, 9212, 9217,
9235, 9245, 9255,
9281, 9293, 9306,
9333, 9346, 9361,
9366, 9384, 9394,
9404, 9430, 9442,
9455, 9482, 9495,
9510, 9515, 9574,
9582, 9594, 9606,
9632, 9646, 9660,
9686, 9695, 9709,
9825, 9837, 9867,
9909, 9910, 9939,
9970, 10000,
10005, 10011,
10043, 10113,
10124, 10172,
10261, 10348,
10352, 10354,
10356, 10358,
10360, 10362,
10363, 10365,
10369, 10378,
10380, 10387,
10388, 10405,
10408, 10414,
10417, 10425,
10426, 10427,
10429, 10445,
10460, 10487,
10500, 10513,
10526, 10532,
10538, 10545,
10558, 10562,
10566, 10572,
10577, 10581,
10593, 10607,
10609, 10611,
10613, 10621,
10726, 10736,
10766, 10786,
10815, 10819,
10825, 10827,
10843, 10854,
10855, 10857,
10870, 10871,
10873, 10889,
10891, 10894,
10896, 10897,

10912, 10919,
10959, 10960,
10961, 10962,
10971, 10973,
11009, 11261,
11288, 11299,
11310, 11321,
11331, 11342,
11353, 11364,
11379, 11394,
11411, 11437,
11454, 11462,
11475, 11492,
11500, 11508,
11525, 11533,
11539, 11556,
11564, 11570,
11587, 11595,
11603, 11617,
11621, 11635,
11643, 11650,
11658, 11661,
11664, 11698,
11730, 11759,
11786, 11789,
11791, 11794,
11803, 11804,
11808, 11810,
11811, 11812,
11814, 11823,
11825, 11864,
11885, 11887,
11888, 11895,
11900, 11960,
11991, 12006,
12007, 12033,
12035, 12328,
12340, 12344,
12345, 12346,
12353, 12381,
12391, 12399,
12402, 12407,
12473, 12474,
12920, 12922,
12972, 12974,
13022, 13033,
13044, 13062,
13144, 13223,
13231, 13264,
13276, 13288,



13302,	13335,	15116,	15119,	18181,	18182,
13349,	13381,	15127,	15134,	18183,	18184,
13409,	13413,	15137,	15163,	18189,	18190,
13417,	13421,	15165,	15185,	18193,	18195,
13425,	13515,	15431,	15432,	18196,	18197,
13529,	13531,	15483,	15490,	18198,	18200,
13538,	13544,	15639,	15641,	18202,	18204,
13624,	13645,	15674,	15676,	18205,	18211,
13649,	13653,	15696,	15967,	18213,	18218,
13655,	13671,	16050,	16057,	18220,	18225,
13683,	13697,	16206,	16208,	18227,	18233,
13747,	13754,	16224,	16241,	18237,	18244,
13873,	13874,	16245,	16248,	18246,	18249,
13876,	13877,	16252,	16324,	18251,	18252,
13883,	13884,	16349,	16351,	18253,	18254,
13885,	13894,	16371,	16615,	18255,	18265,
13903,	13911,	16682,	16689,	18302,	18322,
13919,	13920,	16838,	16840,	18327,	18328,
13921,	13922,	16862,	16866,	18333,	18370,
13923,	13924,	16883,	16904,	18380,	18383,
13929,	13930,	16907,	16922,	18386,	18391,
13933,	13935,	16927,	16931,	18392,	18393,
13936,	13937,	16954,	16959,	18394,	18395,
13938,	13940,	16963,	16973,	18397,	18400,
13941,	13947,	16989,	16995,	18411,	18416,
13954,	13955,	17003,	17024,	18420,	18440,
13956,	13957,	17033,	17034,	18443,	18453,
13958,	13960,	17050,	17054,	18454,	18455,
13961,	14100,	17057,	17061,	18456,	18457,
14101,	14221,	17064,	17094,	18474,	18491,
14244,	14245,	17119,	17153,	18522,	18536,
14253,	14292,	17175,	17181,	18539,	18543,
14293,	14295,	17184,	17186,	18547,	18560,
14300,	14302,	17189,	17212,	18566,	18580,
14307,	14309,	17776,	17797,	18583,	18587,
14337,	14383,	17799,	17955,	18591,	18604,
14384,	14392,	17998,	18001,	18610,	18650,
14433,	14434,	18007,	18011,	18654,	18655,
14436,	14441,	18030,	18036,	18656,	18657,
14443,	14448,	18039,	18061,	18664,	18725,
14450,	14480,	18070,	18076,	18737,	18738,
14502,	14614,	18082,	18104,	18740,	18852,
14643,	14645,	18110,	18119,	18854,	18858,
14686,	14688,	18123,	18127,	18860,	18886, 18888
14723,	14810,	18128,	18129,	\default@color	
14872,	14873,	18132,	18137,	. . . . . 6464, 18036	
14904,	14975,	18143,	18144,	\DefaultFindent	11871
14987,	15012,	18145,	18154,	\DefaultLhang	11867
15016,	15059,	18163,	18171,	\DefaultLoversize	11868
15106,	15109,	18179,	18180,	\DefaultLraise	11869



<code>\DefaultNindent</code> .. 11872	7336, 7343, 7346,	<code>\dfn@LTRfootnotetext</code>	
<code>\DefaultOptionsFile</code>	7348, 7352, 7360	..... 7231, 7251	
. 11877, 11880, 11883		<code>\dfn@LTRmakecol</code> ...	
<code>\DefaultSlope</code> 11873		.. 7330, 7382, 7384	
<code>\deffootnote</code> .. 15162,	7266, 7283, 7284,	<code>\dfn@makecol</code>	
15187, 15673,	7291, 7296, 7340,	.. 7382, 7383, 7384	
15698, 16223,	7341, 7348, 7351	<code>\dfn@makefnmark</code> ...	
16243, 16348, 16373		..... 7234, 7255	
<code>\define@choicekey</code> .	<code>\dfn@countins</code> 7275, 7332	<code>\dfn@RTLfootnotetext</code>	
.... 1778, 1784,	<code>\dfn@dim</code> 7236, 7237,	..... 7252, 7272	
1790, 1802, 1808,	7238, 7249, 7257,	<code>\dfn@RTLmakecol</code> ...	
1814, 17830, 17838	7258, 7259, 7270,	.. 7273, 7382, 7383	
<code>\define@key</code>	7274, 7291, 7311,	<code>\dfn@split</code> ... 7245,	
17828	7331, 7348, 7363	7266, 7279,	
<code>\definecolor</code> .. 1940,	<code>\dfn@dimb</code>	7291, 7336, 7348	
1941, 1942, 1943,	7312, 7314, 7315,	<code>\DFNalwaysdouble</code> . 7385	
1944, 2416, 2423,	7317, 7363, 7364,	<code>\DFNcolumnsep</code>	
7034, 7039, 7042,	7366, 7367, 7369	.. 7294, 7307, 7351	
7043, 7044, 7046,	<code>\dfn@elt@adjust</code> ...	<code>\DFNcolumnwidth</code> 7228,	
7047, 7050, 7051,	..... 7311, 7363	7233, 7254, 7293,	
7053, 7054, 7057,	<code>\dfn@elt@getht</code> 7276, 7333	7295, 7298,	
7058, 7060,	<code>\dfn@fnht</code> 7247,	7308, 7350, 7352	
7061, 7064, 7065,	7268, 7309,	<code>\dim</code> ... 12529, 12530,	
7067, 7068, 7071,	7312, 7318, 7319,	12849, 12850, 12851	
7072, 7137, 7138,	7320, 7361, 7364,	<code>\dimen</code>	
7143, 7144, 7149,	7370, 7371, 7372	6407,	
7150, 7155, 7156,	<code>\dfn@fnmaxdp</code> .. 7235,	6408, 6411, 6412,	
7161, 7162, 7562	7240, 7245, 7256,	8123, 8163, 8180,	
<code>\delimiter</code>	7261, 7266, 7288,	8181, 8182, 8189,	
10590	7291, 7345, 7348	8292, 8338, 8435,	
<code>\DEPTH</code>	<code>\dfn@footnoterule</code> .	8480, 8583, 8629,	
17097, 17104	..... 7329, 7381	8732, 8778, 8881,	
<code>\depth</code>	<code>\dfn@footnotetext</code> 7230	8927, 9030, 9076,	
12862, 12864, 12889	<code>\dfn@gobble</code> . 7232, 7253	9179, 9225, 9328,	
<code>\depthof</code>	<code>\dfn@ins</code>	9374, 9477, 9565,	
7437, 7442, 7451,	7240, 7241, 7242,	9576, 9577, 9578,	
7452, 7456, 7461	7244, 7261, 7262,	9579, 9684, 9688,	
<code>\descriptionlabel</code> 5072	7263, 7265, 7279,	9689, 9690, 9691,	
<code>\detokenize</code> 2741, 2743,	7280, 7336, 7337	13321, 13328,	
2962, 2964, 2965,	<code>\dfn@latex@footnotetext</code>	13329, 13337,	
2992, 3007, 3024,	..... 7229	13338, 13343,	
3027, 3035, 3037,	<code>\dfn@latex@LTRfootnotetext</code>	13344, 13357,	
3105, 3106, 3454	..... 7235, 7250	13358, 13365,	
<code>\dfn@afteroutput</code> ..	<code>\dfn@latex@makecol</code>	13366, 18659, 18662	
..... 7322,	..... 7328, 7380	<code>\dimen@</code>	
7325, 7374, 7377	<code>\dfn@latex@RTLfootnotetext</code>	2310, 2311, 2312,	
<code>\dfn@boxa</code> .....	..... 7256, 7271	6460, 6461, 9757,	
7231, 7236, 7239,	<code>\dfn@list</code> 7249,	9759, 10629,	
7243, 7244, 7245,	7270, 7277, 7310,	10630, 10631,	
7252, 7257, 7260,	7312, 7315, 7321,	10641, 10642,	
7264, 7265, 7266,	7334, 7362,	10643, 10646,	
7279, 7286, 7289,	7364, 7367, 7373		
7291, 7298, 7306,			



10647,	10648,	3498, 3513, 3534,	17856,	17860,
10654,	10664,	3537, 4527, 4532,	17883,	17893,
10666,	10675,	4546, 4551, 4565,	17901,	17904,
10677,	10684,	4570, 4593, 4602,	17907,	17910,
10685,	10686,	6630, 9973, 11962	17922,	17927,
10687,	16885,	\backslash do@hvFloat 10959	17934, 17940, 17941	
16887,	16893,	\backslash document . . . 3120, 3134	\backslash dseries@display@setup	
16899,	17969,	\backslash documentclass 3421, 3424	..... 6351	
17970,	17971,	\backslash doubleitemmaincolumnwidth		
17972,	17973,	..... 2465,		E
17974, 18033, 18034		2478, 2479, 2480,	\backslash edef 119,	
\backslash dimen@i 16886,		2481, 2505, 2507	413, 415, 417, 571,	
16887, 16892, 16898		\backslash doublerulesepcolor 1677	1592, 1646, 1654,	
\backslash dimen@ii 10679,		\backslash dp 39, 52,	1714, 1738, 1831,	
10680,	10681,	67, 248, 261, 275,	1855, 2093, 2108,	
10687,	10689,	601, 1670, 6461,	2137, 2140, 2143,	
10692, 10693, 10694		6462, 6865, 7236,	2582, 2585, 2598,	
\backslash dimexpr 28,		7257, 7284, 7303,	2602, 2609, 2622,	
238, 941, 1175,		7305, 7341, 7357,	2626, 2633, 2739,	
1420, 5835, 5988,		7359, 7436, 7441,	2742, 2845, 2846,	
12444, 12453,		7454, 7460, 7574,	2849, 2850, 2867,	
13224, 13423,		7579, 7583, 7586,	2868, 2871, 2872,	
14205, 14626,		8128, 9528, 9757,	2961, 2966, 2976,	
15190, 15197,		9765, 9984, 9997,	2991, 2994, 3007,	
15200, 15701,		10434, 10450,	3011, 3016, 3023,	
15708, 15711,		10465, 10831,	3026, 3033, 3036,	
16376, 16383,		10832, 10835,	3042, 3045, 3098,	
16386, 18337,		10877, 10878,	3104, 3107, 3259,	
18339, 18340,		10881, 11957,	3267, 3277, 3409,	
18341, 18346,		12364, 12452,	3452, 3496, 3518,	
18348, 18349,		12455, 13321,	3532, 3560, 3652,	
18350, 18355,		13337, 13338,	3664, 3671, 3688,	
18357, 18358,		13343, 13344,	4496, 4641, 4652,	
18359, 18364,		13357, 13358,	5593, 5596, 5599,	
18366, 18367, 18368		13365, 13366,	7486, 7489, 10114,	
\backslash DiscardVskip 11874		13768, 13769,	10120, 10210,	
\backslash display@setup 6326, 6351		13770, 13973,	10212, 10213,	
\backslash displayindent . . . 6367		15025, 15067,	10214, 10299,	
\backslash displaystyle		15070, 15124,	10320, 10661,	
..... 10087, 10103		15131, 15576,	11431, 11438,	
\backslash displaywidth . 6367,		15579, 16143,	11469, 11476,	
7433, 7435,		16146, 16775,	11509, 11540,	
7440, 10106, 11840		16778, 16935,	11571, 11963,	
\backslash divide		16971, 16983,	11967, 12400,	
5414, 8181, 9578,		17097, 17099,	12403, 13527,	
9690, 9985, 9986,		18025, 18034,	13640, 13659,	
13788, 13789, 16969		18035, 18425,	13662, 13688,	
\backslash do 321, 322,		18631, 18638, 18709	15021, 15064,	
323, 324, 325,		\backslash dquad 6359, 6361	15468, 16035,	
326, 2207, 3438,		\backslash draw 17849,	16225, 16667,	



16938,	16964,	311,	338,	343,	1631,	1632,	1633,	
16978,	16996,	358,	363,	366,	1634,	1636,	1637,	
17051,	17058,	369,	389,	400,	1638,	1639,	1640,	
17071,	17514,	426,	434,	438,	1763,	1765,	1774,	
17591,	17695,	453,	458,	513,	1865,	1867,	1876,	
17808,	18045,	521,	525,	530,	2077,	2083,	2089,	
18050,	18059,	543,	565,	566,	2104,	2188,	2196,	
18074,	18078,	567,	569,	570,	2201,	2211,	2266,	
18088,	18093,	573,	574,	575,	2292,	2302,	2307,	
18102,	18108,	577,	578,	579,	2322,	2324,	2519,	
18121,	18125,	580,	581,	584,	2520,	2521,	2523,	
18311,	18323,	585,	586,	610,	2559,	2584,	2587,	
18428		616,	662,	673,	2606,	2614,	2630,	
<code>\EdefEscapeName</code>	.. 11762	676,	725,	742,	2638,	2654,	2692,	
<code>\egroup</code>	. 188, 189, 192,	745,	746,	766,	2700,	2708,	2712,	
	594, 618, 852,	769,	784,	804,	2718,	2726,	2730,	
	1409, 1575, 1576,	815,	820,	831,	2752,	2759,	2796,	
	1693, 2131, 2132,	835,	843,	847,	3000,	3218,	3242,	
	2258, 5503, 5714,	848,	852,	856,	3257,	3322,	3334,	
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	10092,	10093,	876,	887,	901,	3427,	3428,	3445,
	10107,	10556,	904,	905,	908,	3454,	3499,	3514,
	10701,	10705,	918,	964,	973,	3517,	3544,	3545,
	13232,	13731,	981,	1005,	1009,	3559,	3850,	3856,
	13741,	13756,	1011,	1022,	1025,	4045,	4048,	4051,
	13887,	13892,	1068,	1079,	1082,	4054,	4084,	4312,
	13896,	13901,	1085,	1086,	1092,	4318,	4350,	4356,
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13542,	13552,	14189,	14195,	15136,	15138,
13553,	13556,	14210,	14230,	15142,	15169,
13557,	13558,	14232,	14234,	15178,	15180,
13563,	13568,	14248,	14258,	15191,	15198,
13572,	13578,	14267,	14275,	15221,	15227,
13584,	13589,	14299,	14301,	15233,	15236,
13592,	13598,	14316,	14321,	15259,	15264,
13617,	13630,	14355,	14362,	15265,	15277,
13631,	13650,	14371,	14387,	15287,	15292,
13664,	13672,	14397,	14406,	15295,	15332,
13673,	13677,	14414,	14440,	15333,	15339,
13685,	13700,	14442,	14457,	15346,	15349,
13708,	13743,	14462,	14504,	15364,	15377,
13752,	13753,	14505,	14507,	15378,	15380,
13771,	13775,	14510,	14516,	15383,	15384,
13782,	13783,	14517,	14522,	15397,	15399,
13785,	13787,	14525,	14533,	15400,	15406,
13788,	13789,	14541,	14548,	15412,	15413,
13795,	13820,	14549,	14556,	15416,	15420,
13822,	13833,	14559,	14560,	15428,	15429,
13844,	13851,	14566,	14570,	15431,	15432,
13857,	13859,	14583,	14586,	15433,	15449,
13862,	13863,	14587,	14588,	15452,	15459,
13877,	13929,	14595,	14597,	15475,	15496,
13930,	13933,	14599,	14603,	15503,	15508,
13937,	13938,	14631,	14700,	15513,	15516,
13954,	13955,	14705,	14741,	15517,	15518,
13956,	13957,	14747,	14755,	15520,	15547,
13958,	13960,	14762,	14765,	15571,	15572,
13963,	13971,	14766,	14770,	15573,	15591,
13982,	13987,	14771,	14772,	15592,	15600,
13992,	13995,	14783,	14785,	15606,	15619,



15629,	15647,	16293,	16297,	17164,	17171,
15653,	15680,	16299,	16303,	17172,	17173,
15689,	15691,	16305,	16309,	17178,	17182,
15702,	15709,	16311,	16315,	17183,	17198,
15732,	15738,	16317,	16321,	17220,	17227,
15744,	15747,	16323,	16327,	17245,	17246,
15770,	15775,	16355,	16364,	17262,	17263,
15776,	15788,	16366,	16377,	17264,	17268,
15798,	15803,	16384,	16407,	17269,	17278,
15806,	15843,	16413,	16419,	17282,	17283,
15844,	15850,	16422,	16445,	17284,	17290,
15857,	15860,	16450,	16451,	17293,	17294,
15875,	15888,	16463,	16473,	17295,	17303,
15889,	15891,	16478,	16481,	17314,	17315,
15894,	15895,	16518,	16519,	17317,	17318,
15905,	15906,	16525,	16532,	17324,	17325,
15915,	15916,	16535,	16550,	17326,	17334,
15918,	15921,	16563,	16564,	17337,	17338,
15922,	15932,	16566,	16569,	17346,	17347,
15933,	15939,	16570,	16580,	17348,	17349,
15945,	15946,	16581,	16587,	17357,	17360,
15949,	15953,	16593,	16594,	17364,	17365,
15964,	15965,	16597,	16601,	17366,	17374,
15967,	15968,	16612,	16613,	17377,	17381,
15971,	15974,	16615,	16616,	17382,	17383,
15987,	15990,	16647,	16651,	17391,	17394,
15995,	15998,	16658,	16674,	17398,	17399,
16003,	16006,	16695,	16702,	17400,	17408,
16015,	16019,	16707,	16712,	17411,	17415,
16026,	16042,	16715,	16716,	17416,	17417,
16063,	16070,	16717,	16719,	17425,	17428,
16075,	16080,	16746,	16770,	17432,	17433,
16083,	16084,	16771,	16772,	17434,	17442,
16085,	16087,	16790,	16791,	17445,	17450,
16114,	16138,	16799,	16805,	17451,	17452,
16139,	16140,	16818,	16828,	17460,	17463,
16158,	16159,	16846,	16852,	17469,	17470,
16167,	16173,	16857,	16860,	17471,	17479,
16186,	16196,	16902,	16918,	17482,	17489,
16214,	16220,	16922,	16923,	17490,	17491,
16229,	16236,	16927,	16928,	17499,	17502,
16237,	16253,	16946,	16954,	17516,	17524,
16254,	16255,	16961,	16968,	17525,	17526,
16256,	16257,	16975,	16981,	17534,	17537,
16258,	16259,	16986,	17017,	17559,	17574,
16260,	16267,	17074,	17075,	17575,	17576,
16269,	16273,	17091,	17092,	17588,	17590,
16275,	16279,	17108,	17126,	17597,	17599,
16281,	16285,	17133,	17135,	17612,	17613,
16287,	16291,	17150,	17161,	17614,	17621,



17625,	17630,	18115,	18118,	18738,	18740,
17634,	17640,	18132,	18137,	18748,	18750,
17646,	17650,	18189,	18190,	18848,	18854, 18860
17656,	17659,	18193,	18197,	\figcaption	11021, 11039
17661,	17662,	18198,	18233,	\fill	.... 5270, 5274,
17663,	17666,	18249,	18260,		6383, 6385, 6387,
17669,	17672,	18279,	18287,		11056, 11251,
17673,	17682,	18293,	18299,		12331, 12333, 12335
17688,	17697,	18305,	18306,	\filright	.. 17113, 17142
17698,	17706,	18312,	18317,	\FirstFrameCommand	
17712,	17716,	18320,	18340,		..... 10609, 10655
17719,	17720,	18341,	18349,	\firstmark	.. 10026,
17731,	17732,	18350,	18358,		10058, 10199, 18723
17742,	17743,	18359,	18367,	\firstname	..... 2448
17747,	17751,	18368,	18376,	\firstnamecolour	..
17755,	17759,	18377,	18378,		.. 2417, 7036, 7132
17763,	17767,	18379,	18382,	\firstnamefont	2426,
17771,	17775,	18385,	18388,		2434, 7074,
17779,	17784,	18391,	18392,		7075, 7166, 7169
17792,	17795,	18393,	18394,	\firstnamestyle	2434,
17802,	17803,	18396,	18398,		7086, 7176, 7197
17807,	17814,	18399,	18406,	\fivecolumnfootnotes	
17837,	17843,	18409,	18411,		..... 8624
17854,	17859,	18412,	18416,	\fivecolumnfootstyle	
17865,	17867,	18417,	18421,		..... 8719
17874,	17877,	18437,	18438,	\flnew@within	.... 10119
17890,	17899,	18446,	18447,	\float@newx	..... 10113
17912,	17915,	18450,	18451,	\floatalignment	3908,
17926,	17932,	18452,	18453,		3909, 3950,
17933,	17939,	18454,	18460,		3951, 3967, 3974,
17944,	17947,	18465,	18473,		3982, 4033, 4244
17961,	17966,	18488,	18490,	\FloatBarrier	3880, 4224
17969,	17970,	18513,	18517,	\floatc@biditytfloatplain	
17971,	17972,	18519,	18528,		... 4242, 4252,
17976,	17979,	18537,	18572,		4259, 4265, 4273
17981,	17987,	18581,	18613,	\floatc@biditytfloatplaintop	
17988,	18002,	18616,	18617,		..... 4259
18012,	18013,	18618,	18619,	\floatc@biditytfloatruled	
18020,	18025,	18620,	18628,		..... 4260
18028,	18031,	18642,	18646,	\floatc@plain	.... 10110
18032,	18035,	18647,	18651,	\floatingpenalty	..
18036,	18038,	18659,	18660,		. 40, 53, 68, 249,
18047,	18048,	18661,	18662,		262, 276, 7248,
18052,	18058,	18663,	18679,		7269, 7316, 7323,
18064,	18065,	18685,	18686,		7368, 7375, 8126,
18066,	18069,	18687,	18689,		10434, 10450, 10465
18075,	18079,	18690,	18691,	\floatstyle	..... 4293
18090,	18091,	18706,	18716,	\flushleft	.. 2045, 2054
18095,	18101,	18729,	18732,	\FN@sf@footnote	..
18113,	18114,	18733,	18737,		..... 2072, 2076



\FN@sfc@footnotemark	\footdir@ORG@bidi@amsbook@RTLfootnotetext	806, 825, 8480,
..... 2101, 2103	..... 286	8583, 8629, 8732,
\FN@sfc@LTRfootnote	\footdir@ORG@bidi@footnotetext	8778, 8881, 8927,
..... 2073, 2082	..... 10483	9030, 9076, 9179,
\FN@sfc@RTLfootnote	\footdir@ORG@bidi@LTRfootnotetext	9225, 9328, 9374,
..... 2074, 2088	..... 10485	9477, 9565, 9684
\FN@sfc@gobble@bracket	\footdir@ORG@bidi@RTLfootnotetext	\fetttextsvcr ... 8116,
..... 2112, 2115	..... 10484	8160, 8161, 8162,
\FN@sfc@gobble@opt	\footdir@temp	8163, 8189, 8190,
..... 2078,	. 76, 77, 78, 285,	8198, 8208, 8218,
2084, 2090, 2093	286, 287, 10329,	8338, 8339, 8347,
\FN@sfc@gobble@optonly	10483, 10484, 10485	8356, 8365, 8480,
..... 2105, 2108	\footdir@toks	8481, 8489, 8499,
\FN@sfc@gobble@twobracket	.. 10270, 10337,	8509, 8629, 8630,
..... 2097, 2100	10338, 10339, 10343	8638, 8648, 8658,
\fnch@everypar ... 9999	\footdir@write	8778, 8779, 8787,
\font	10264, 10294, 10333	8797, 8807, 8927,
..... 1686g, 1687o	\footersymbol	8928, 8936, 8946,
\fontdimen 1686g, 1687o	... 7093, 7094,	8956, 9076, 9077,
\fontsize . 305, 5225,	7109, 7110, 7111, 7112	9085, 9095, 9105,
5227, 5229, 7074,	\footfootmark . 8096,	9225, 9226, 9234,
7166, 13615, 13628	8235, 8238, 8241,	9244, 9254, 9374,
\foo	8381, 8384, 8387,	9375, 9383, 9393,
..... 13655,	8526, 8529, 8532,	9403, 9565, 9566,
13657, 13667, 13669	8675, 8678, 8681,	9580, 9592, 9604
\footdir@abspage ..	8824, 8827, 8830,	\footmarksep
..... 10299,	8973, 8976, 8979,	..... 8093
10302, 10303,	9122, 9125, 9128,	\footmarkstyle 8095, 8108
10306, 10307, 10310	9271, 9274, 9277,	\footmarkwidth 8092,
\footdir@debug 10271,	9420, 9423, 9426,	8097, 8098, 8100,
10279, 10283,	9619, 9623, 9627	8102, 8105, 8109
10286, 10296,	\footfudgefactor ..	\footnote
10303, 10307, 10310	.. 9529, 9579, 9691	..... 629,
\footdir@debugfalse 1812	\footfudgefiddle ..	703, 951, 1050,
\footdir@debugtrue	..... 9559, 9578	1202, 1301, 1451,
..... 1810, 10269	\footins	1551, 2072, 2075,
\footdir@fntext ...	... 35, 48,	4807, 5126, 5157,
10317, 10334, 10336	63, 244, 257, 271,	5854, 6030, 6135,
\footdir@LeftRightElse	2302, 7248, 7269,	6209, 7076, 7744,
10277, 10293, 10370	7273, 7274, 7285,	7769, 7843, 9876,
\footdir@name	7288, 7292, 7316,	9944, 12975,
..... 10320, 10323, 10324	7330, 7331,	12978, 14243,
\footdir@ORG@bidi@amsart@footnotetext	7342, 7345, 7349,	14342, 14380,
..... 76	7374, 7979,	14486, 14639,
\footdir@ORG@bidi@amsart@LTRfootnotetext	7995, 8011, 8123,	14727, 14835,
..... 78	7972, 9782,	14909, 15212,
\footdir@ORG@bidi@amsart@RTLfootnotetext	10429, 10445,	15328, 15723,
..... 77	10769,	15839, 16398, 16514
\footdir@ORG@bidi@amsbook@footnotetext	10770, 10789, 10790	\footnotelayout ...
..... 285	10782, 8123,	.. 4628, 4629, 4632
\footdir@ORG@bidi@amsbook@L1@footnotetext	8163, 8189, 8292,	\footnotemark .. 2101,
..... 287		2102, 10558,



10572, 12976, 12979	8099, 8103, 8105	\fslice . 13765, 13766,
\footnoterule	\footskip .. 10006, 18713	13768, 13769, 13772
... 7227, 7289,	\foottextfont	\ftn@font
7295, 7300, 7328,	... 7983, 7990,	15183, 15694, 16369
7329, 7346, 7350,	8030, 8036, 8119,	\ftn@rule@height ..
7354, 7380, 7381,	8185, 8200, 8235,	... 15190,
7974, 8135, 8146,	8246, 8334, 8349,	15193, 15197,
8159, 9746, 9771,	8381, 8392, 8476,	15200, 15701,
10261, 10358,	8491, 8526, 8537,	15704, 15708,
10362, 10365,	8625, 8640, 8675,	15711, 16376,
10380, 10385,	8686, 8774, 8789,	16379, 16383, 16386
10386, 10388, 10814	8824, 8835, 8923,	\ftn@rule@test@values
\footnotes 4625	8938, 8973, 8984,	... 15189,
\footnotesep 29,	9072, 9087, 9122,	15196, 15700,
31, 39, 45, 52,	9133, 9221, 9236,	15707, 16375, 16382
58, 67, 73, 239,	9271, 9282, 9370,	\ftn@rule@width 15193,
241, 248, 254,	9385, 9420, 9431,	15200, 15704,
261, 267, 275,	9534, 9561, 9575,	15711, 16379, 16386
281, 7245, 7266,	9583, 9619, 9633	\ftnm@font
7291, 7348, 7990,	\forcerectofloat .. 3911	15185, 15696, 16371
8006, 8022, 8036,	\forceversofloat . 3912	\full@width
8049, 8062, 8127,	\fourcolumnfootnotes	. 13311, 13323, 13371
10433, 10441,	... 8475	\futurelet
10449, 10457,	\fourcolumnfootstyle	1000, 1002, 1251,
10464, 10472,	... 8570	1253, 1500, 1502,
10498, 10511, 10524	\fp 12622,	2646, 14292,
\footnotesize ... 37,	12623, 12624, 12625	14294, 14433, 14435
50, 65, 102,	\fps@figure 11009	
232, 246, 259,	\framebox	
273, 625, 947,	. 168, 170, 7084,	
1198, 1447, 2526,	7215, 13253, 13259	
2548, 3788, 3789,	\FrameCommand ... 10607	
3827, 4440, 4634,	\FrameHeightAdjust 10681	
4663, 4680, 4697,	\FrameRestore . 10615,	
5850, 6026, 6131,	10619, 10735, 10736	
7672, 7765, 8119,	\fromaddress	
8120, 8121, 9872,	... 7936, 7942,	
10431, 10447,	7952, 11842, 11848	
10462, 10491,	\fromname 7957	
10504, 10517,	\fromplace 16321	
13748, 13750,	\fromsig 7956, 7958, 16328	
14239, 14376,	\frontmatter 5324	
14635, 14831,	\fs@bidituftefloatboxed	
15208, 15719, 16394	... 4271	
\footnotetext . 2137,	\fs@bidituftefloatplain	
2148, 5593, 5603	... 4250, 4258	
\footparindent 8094, 8110	\fs@bidituftefloatplaintop	
\footrule 10006	... 4258	
\footrulewidth 2396, 4103	\fs@bidituftefloatruled	
\footscript .. 8095,	... 4263	

G

\g .. 7449, 7451, 7455,	
7548, 12487,	
12494, 12508,	
12511, 12517,	
12518, 12519,	
12520, 12521,	
12529, 12530,	
12532, 12534,	
12535, 12536,	
12543, 12544,	
12549, 12554,	
12562, 12565,	
12573, 12574,	
12577, 12578,	
12579, 12580,	
12581, 12582,	
12584, 12587,	
12588, 12590,	
12593, 12595,	
12598, 12603,	
12611, 12612,	



12614,	12615,	4586, 4588, 7478,	\Gin@urx	10849
12616,	12617,	7481, 7483, 17815	\Gin@ury	10850
12618,	12619,	\g@mix@page@int ..	\Gin@clude@graphics	
12620,	12622,	\gdef . . . . .	. . . . .	10851, 10863
12623,	12624,	1975, 2287, 2417,	\Gin@put@path	
12625,	12627,	2418, 2419, 2420,	. . .	379, 504, 12523
12628,	12638,	2421, 2422, 2424,	\g@lobal	303,
12646,	12647,	2425, 3629, 3640,	419, 420, 467,	
12648,	12650,	3924, 3925, 3927,	468, 471, 472,	
12655,	12656,	3930, 4004, 4009,	484, 519, 520,	
12661,	12662,	4010, 4011, 4163,	542, 545, 546,	
12666,	12671,	4204, 4583, 4718,	558, 649, 650,	
12674,	12681,	4747, 4776, 4815,	651, 652, 653,	
12683,	12686,	4824, 4833, 5162,	654, 655, 656,	
12687,	12691,	5179, 5195, 5207,	657, 658, 659,	
12693,	12694,	5247, 5248, 5249,	660, 678, 684,	
12697,	12698,	5436, 5439, 5701,	685, 686, 687,	
12699,	12703,	5713, 5715, 7432,	688, 689, 690,	
12704,	12708,	7445, 9780, 9792,	691, 692, 693,	
12709,	12716,	10025, 10057,	694, 695, 696,	
12731,	12732,	10324, 10384,	731, 732, 882,	
12733,	12735,	11890, 12040,	883, 989, 990,	
12740,	12743,	12043, 13560,	991, 992, 993,	
12744,	12747,	13581, 13937,	994, 995, 996,	
12751,	12752,	16867, 17114,	997, 998, 1027,	
12753,	12757,	17115, 17120,	1033, 1034, 1035,	
12758,	12759,	17143, 17144,	1036, 1037, 1038,	
12766,	12767,	17812, 18197, 18249	1039, 1040, 1041,	
12768,	12770,	\g@eometry 3810, 3813,	1042, 1043, 1125,	
12771,	12774,	3817, 3820, 3824	1126, 1240, 1241,	
12775,	12780,	\Gin@angle	1242, 1243, 1244,	
12786,	12797,	\Gin@bboxtrue	1245, 1246, 1247,	
12802,	12803,	\Gin@defaultbp	1248, 1249, 1278,	
12804,	12808,	.. 10847, 10848,	1284, 1285, 1286,	
12809,	12810,	10849, 10850,	1287, 1288, 1289,	
12811,	12812,	17096, 17097, 17100	1290, 1291, 1292,	
12814,	12821,	\Gin@eheight	1293, 1294, 1363,	
12837,	12838,	\Gin@esetsize	1364, 1489, 1490,	
12839,	12840,	\Gin@ewidth 13622, 13623	1491, 1492, 1493,	
12842,	12845,	\Gin@exclamation . .	1494, 1495, 1496,	
12852,	12854,	10895, 13622, 13625	1497, 1498, 1527,	
12866,	12867,	\Gin@gridfalse . .	1533, 1534, 1535,	
12869,	12871,	\Gin@ii	1536, 1537, 1538,	
12872,	12873,	\Gin@iii . .	1539, 1540, 1541,	
12877,	12878,	\Gin@llx	1542, 1543, 1669,	
12879,	12884,	\Gin@lly	1670, 1924, 1925,	
12891, 12892, 12893		\Gin@outer@scalex 13619	1926, 1927, 1928,	
\g@addto@macro		\Gin@outer@scaley 13620	1929, 1930, 1931,	
. . . 3306, 3550,		\Gin@scalex	1932, 1933, 1934,	
3635, 3645, 3906,		\Gin@scaley	2116, 2134, 2135,	



2138, 2141, 2144,
2148, 2151, 2154,
2233, 2237, 2259,
2299, 2319, 2320,
2328, 2583, 2595,
2619, 3766, 3775,
3909, 3953, 3954,
3960, 4320, 4331,
4334, 4364, 4375,
4378, 4408, 4419,
4422, 4464, 4476,
5240, 5437, 5440,
5458, 5462, 5478,
5489, 5515, 5516,
5543, 5556, 5557,
5585, 5594, 5597,
5600, 5603, 5606,
5609, 5641, 5651,
5665, 5667, 5672,
5673, 5679, 5680,
5682, 5702, 5714,
5716, 5774, 5775,
5892, 5893, 5894,
5895, 5896, 5897,
5898, 5899, 5900,
5901, 5950, 5951,
6068, 6069, 6070,
6071, 6072, 6073,
6074, 6075, 6076,
6077, 6155, 6156,
6157, 6158, 6159,
6160, 6161, 6162,
6163, 6164, 6165,
6166, 6184, 6190,
6191, 6192, 6193,
6194, 6195, 6196,
6197, 6198, 6199,
6200, 6201, 6202,
6236, 6237, 6328,
6338, 6339, 6340,
6341, 6342, 6343,
6344, 6345, 6353,
6366, 6371, 6375,
6423, 6650, 6651,
6653, 6676, 6686,
6687, 6689, 6719,
6777, 6785, 6795,
6805, 6814, 6816,
6817, 6820, 6823,
6833, 6847, 6848,

6850, 6852, 6853,
6855, 6861, 6862,
6865, 6867, 6868,
6871, 6874, 6879,
6888, 6896, 6941,
6949, 6959, 6968,
6970, 6979, 6981,
6982, 6985, 6988,
6998, 7006, 7007,
7014, 7240, 7247,
7261, 7268, 7280,
7288, 7292, 7309,
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<code>\hv@Right</code> . .	10997, 11053	11183, 11190,	<code>\Hy@footnote@currentHLabel</code>
<code>\hv@shortCap</code>		11191, 11198,	. 11372, 11387, 11402
	10960, 11026, 11044	11200, 11211,	<code>\Hy@footnote@currentHref</code>
<code>\hv@Top</code> .	11079, 11115,	11213, 11223, 11225	. . . . . 11334,
	11135, 11177, 11209	<code>\hvObjectWidth</code>	11337, 11345,
<code>\hv@Width</code> . .	10991, 11014	. . 10987, 10991,	11348, 11356,
<code>\hv@Zero</code> . . .	10980, 11243	10995, 10996, 10997	11359, 11367,
<code>\hvAboveCaptionSkip</code>		<code>\hvOBox</code> 10981, 10985	11370, 11373,
.	11159, 11162	<code>\hvSet@capAngle</code>	11382, 11385,
<code>\hvBelowCaptionSkip</code>		. . . . . 11014, 11033	11388, 11397,
.	11143, 11146	<code>\hvSet@capPos</code>	11400, 11403,
<code>\hvCaptionBox</code> . . . . .		. . 10996, 10997,	11446, 11484,
. . .	11015, 11032,	11064, 11135, 11151	11517, 11548, 11579
	11074, 11076,	<code>\hvSet@capVPos</code> 11066,	<code>\Hy@gtmp</code> . . 11422, 11427
	11087, 11089,	11079, 11106,	<code>\Hy@href@nextactionraw</code>
	11099, 11101,	11115, 11168,	. . . . . 11689,
	11107, 11108,	11177, 11196, 11209	11721, 11750, 11776
	11116, 11117, 11124,	<code>\hvSet@capWidth</code> 10991,	<code>\Hy@href@page</code> 11684
	11125, 11136,	10993, 10998, 10999	<code>\Hy@linkcounter</code>
	11137, 11143,	<code>\hvSet@floatCapSep</code>	. . . . . 7486, 7491
	11146, 11152,	. . 11072, 11085,	<code>\Hy@linktoc</code> 11265
	11153, 11160,	11097, 11110,	<code>\Hy@LT@currentHref</code>
	11163, 11169,	11119, 11127, 11172,	. . . . . 11817, 11828
	11170, 11178,	11181, 11189,	<code>\Hy@LT@LTRfootnotetext</code>
	11179, 11186,	11202, 11215, 11227	. . . . . 11445, 11454
	11187, 11204,	<code>\hvSet@floatPos</code> . . 11009	<code>\Hy@LT@RTLfootnotetext</code>
	11206, 11217,	<code>\hvSet@objectAngle</code>	. . . . . 11483, 11492
	11219, 11229, 11231	. . . . . 10980, 10984	<code>\Hy@MakeRemoteAction</code>
<code>\hvCapWidth</code> . .	10989,	<code>\hvSet@objectPos</code> . .	. . . . . 11668
	10991, 10993,	. 11053, 11055, 11249	<code>\Hy@maketitle@end</code> .
	10995, 10999,	<code>\hvSet@rotAngle</code> . . . . .	. 11614, 11619, 11621
	11001, 11016, 11034	10974, 11243, 11246	<code>\Hy@maketitle@optarg</code>
<code>\hvFloat</code>	10963	<code>\Hy@Acrobatmenu</code> . . 11760	. . . . . 11612, 11617
<code>\hvMaxCapWidth</code> 10974,		<code>\Hy@backout</code> 11787	<code>\Hy@pstringD</code> 11667, 11686
	10975, 10996,	<code>\Hy@BeginAnnot</code>	<code>\Hy@pstringdef</code>
	10997, 10998, 11001	. . 11643, 11663,	. . 11666, 11667,
<code>\hvObjectBox</code> . .	10978,	11700, 11732, 11761	11701, 11702, 11733
	10981, 10983,	<code>\Hy@bidipoem@footnotetext</code>	<code>\Hy@pstringF</code>
	10987, 10993,	. . . . . 11516, 11525	. . 11664, 11665,
	11068, 11070,	<code>\Hy@bidipoem@LTRfootnotetext</code>	11666, 11681,
	11081, 11083,	. . . . . 11547, 11556	11701, 11714, 11719
	11093, 11095,	<code>\Hy@bidipoem@RTLfootnotetext</code>	<code>\Hy@pstringP</code> 11702, 11719
	11111, 11112, 11120,	. . . . . 11578, 11587	<code>\Hy@pstringURI</code>
	11121, 11128,	<code>\Hy@CleanupFile</code> . . 11665	. . . . . 11733, 11746
	11129, 11136,	<code>\Hy@colorlink</code> . 11693,	<code>\Hy@raisedlink</code> 11336,
	11139, 11144,	11725, 11754, 11780	11347, 11358,
	11147, 11152,	<code>\Hy@endAnnot</code>	11369, 11384,
	11155, 11159,	. . 11650, 11696,	11399, 11459,



11497, 11530,	\hyper@natlinkbreak	17089, 17090,
11561, 11592, 11829	..... 11794	18306, 18313,
\Hy@saved@footnotemark	\hyper@natlinkend 11791	18314, 18421,
..... 11604, 11623	\hyper@natlinkstart	18438, 18445,
\Hy@saved@footnotetext	..... 11786	18446, 18447,
..... 11605, 11626	\hypersetup	18448, 18449, 18450
\Hy@SetNewWindow ..	... 2379, 2387,	\if@allcaps 962, 971,
..... 11688, 11716	5116, 5175, 5192	979, 1213, 1222,
\Hy@setpdfborder ..	\hyphenpenalty	1230, 1462, 1471,
..... 11674,	6, 101, 207, 231,	1479, 5865, 5874,
11708, 11739, 11768	834, 1140, 1333,	5882, 6041, 6050,
\Hy@tabularx@hook ..	5745, 5921, 14120,	6058, 14254,
..... 11411, 11423	14569, 14630, 14773	14263, 14271,
\Hy@temp@menu 11762, 11775	\HyRTL@saved@RTLfootnotetext	14393, 14402, 14410
\Hy@xspace@end .....	..... 11606, 11629	\if@altsecnumformat
.. 11659, 11695,		15433, 15968, 16616
11727, 11756, 11782	I	\if@anim@controls ..
\HyLTR@saved@LTRfootnotetext	\ialign .. 605, 16939,	..... 435, 523
..... 11607, 11632	16978, 18238, 18429	\if@anim@draft
\HyOrg@maketitle ..	\if .....	..... 422, 521, 543
. 11602, 11613, 11618	577, 578, 579,	\if@anim@dviptdpmx . 367
\HyOrg@TX@endtabularx	580, 581, 584,	\if@anim@grxloaded 359
..... 11410	585, 586, 610,	\if@anim@multipage
\hyper@@anchor 11334,	616, 1594, 1595,	..... 400, 423, 454
11337, 11345,	1596, 1598, 1599,	\if@anim@step
11348, 11356,	1600, 1601, 1602,	\if@anim@timeline ..
11359, 11367,	1603, 1604, 1607,	..... 476, 550
11370, 11382,	1608, 1609, 1632,	\if@anim@xetex 360, 364
11385, 11397,	1633, 1634, 1636,	\if@bib@break@ 15443,
11400, 11457,	1637, 1638, 1639,	15467, 15482,
11460, 11495,	1640, 2209, 2215,	15498, 16010,
11498, 11528,	2218, 2221, 2224,	16034, 16049,
11531, 11559,	3454, 6329, 6348,	16065, 16642,
11562, 11590, 11593	6382, 6384, 6386,	16666, 16681, 16697
\hyper@anchorend . 11830	7453, 7507, 7515,	\if@bibchapter ... 17228
\hyper@anchorstart 11830	7516, 7522, 7523,	\if@bidi@amsmathloaded@
\hyper@link	7530, 7531, 7537,	..... 12118
11658	7538, 7548, 7550,	\if@bidi@amstextloaded@
\hyper@linkend	10282, 10306,	..... 12121
.. 11269, 11273,	10530, 11877,	\if@bidi@amsthmlloaded@
11277, 11279,	12330, 12332,	..... 12124
11659, 11792, 11795	12334, 13648,	\if@bidi@animateloaded@
\hyper@linkfile .. 11661	16946, 16981,	..... 12127
\hyper@linkstart ..	16986, 17073,	\if@bidi@arabxetexloaded@
.. 11269, 11273,	17074, 17075,	..... 12317
11277, 11279,	17076, 17077,	\if@bidi@arrayloaded@
11659, 11788, 11795	17078, 17079,	..... 12254
\hyper@linkurl ... 11730	17081, 17082,	\if@bidi@arydshlnloaded@
\hyper@makecurrent 11816	17083, 17084,	..... 12278
\hyper@nat@current 11789	17085, 17088,	



\if@bidi@blank	\if@bidi@floatloaded@	\if@bidi@newfloatloaded@
.. 2733, 3018, 3025	..... 12161	..... 12293
\if@bidi@breqnloaded@	\if@bidi@floatrowloaded@	\if@bidi@theoremloaded@
..... 12130	..... 12164	..... 12200
\if@bidi@calsloaded@	\if@bidi@flowframloaded@	\if@bidi@overpicloaded@
..... 12133	..... 12167	..... 12218
\if@bidi@captionloaded@	\if@bidi@fontspecloaded@	\if@bidi@patchable
..... 12136	..... 12314	..... 2905, 2906
\if@bidi@colorloaded@	\if@bidi@framedloaded@	\if@bidi@pdfpagesloaded@
..... 12142	..... 12170	..... 12221
\if@bidi@colortblloaded@	\if@bidi@ftnrightloaded@	\if@bidi@pgfloaded@
..... 12158	..... 12173	..... 12236
\if@bidi@croplloaded@	\if@bidi@geometryloaded@	\if@bidi@picinparloaded@
..... 12139	..... 12188	..... 12239
\if@bidi@csdef 2697, 2746	\if@bidi@graphicxloaded@	\if@bidi@polyglossialloaded@
\if@bidi@csmacro . 2745	..... 12185	..... 12320
\if@bidi@csprimitive	\if@bidi@hvfloatloaded@	\if@bidi@pstricksloaded@
..... 2755	..... 12191	..... 12233
\if@bidi@csundef ..	\if@bidi@hyperrefloaded@	\if@bidi@quotchaploaded@
... 2703, 2776,	..... 12203	..... 12242
3659, 3711, 18749	\if@bidi@lettrineloaded@	\if@bidi@rotatingloaded@
\if@bidi@cutedloaded@	..... 12224	..... 12299
..... 12149	\if@bidi@list@minipage@parbox	\if@bidi@soulloaded@
\if@bidi@cutwinloaded@	..... 1759,	..... 12260
..... 12146	18274, 18336,	\if@bidi@stabularloaded@
\if@bidi@dblfnoteloaded@	18345, 18354,	..... 12257
..... 12152	18363, 18376,	\if@bidi@subfigloaded@
\if@bidi@def 2715	18377, 18391, 18392	..... 12263
\if@bidi@defmacro .	\if@bidi@list@minipage@parbox@not@nob	\if@bidi@subfigureloaded@
..... 2738,	..... 1760,	..... 12266
2739, 2747,	18282, 18338,	\if@bidi@supertabularloaded@
2917, 2936, 3080	18347, 18356, 18365	..... 12269
\if@bidi@defparam .	\if@bidi@listingsloaded@	\if@bidi@tabslloaded@
..... 2938,	..... 12227	..... 12302
3032, 3033, 3082	\if@bidi@longtableloaded@	\if@bidi@tabularyloaded@
\if@bidi@defprimitive	..... 12275	..... 12305
..... 2749	\if@bidi@mdf@RTL . .	\if@bidi@tikzloaded@
\if@bidi@defprotected	..... 12406, 12413	..... 12245
..... 2945,	\if@bidi@mdframedloaded@	\if@bidi@titlesecloaded@
3041, 3042, 3093	..... 12194	..... 12248
\if@bidi@draftwatermarkloaded@	\if@bidi@midfloatloaded@	\if@bidi@titletocloaded@
..... 12212	..... 12197	..... 12251
\if@bidi@empheqlloaded@	\if@bidi@minitocloaded@	\if@bidi@tocbibindloaded@
..... 12215	..... 12287	..... 12311
\if@bidi@fancyboxloaded@	\if@bidi@multicolloaded@	\if@bidi@tocstyleloaded@
..... 12206	..... 12281	..... 12308
\if@bidi@fancyhdrloaded@	\if@bidi@multienumloaded@	\if@bidi@todonotes@figposition@right
..... 12209	..... 12284	.. 17826, 17924,
\if@bidi@fancyvrbloaded@	\if@bidi@natbibloaded@	17929, 17936, 17942
..... 12323	..... 12290	



<code>\if@bidi@todonotes@textdir</code>	<code>\if@com@RTL</code> . 12981, 13010	14998, 15459,
..... 17825,	<code>\if@conhang</code> 12991	16026, 16658, 17198
17859, 17899, 17933	<code>\if@continent</code> 12997	<code>\if@LTRmarginpar</code> . .
<code>\if@bidi@undef</code> 2721,	<code>\if@DEBUG</code> 2333	..... 1752,
2780, 2814, 2825,	<code>\if@displaypagenumbers</code>	18642, 18647, 18651
2844, 2848, 2852,	..... 2541, 2544	<code>\if@mainmatter</code> 5323,
2856, 2866,	<code>\if@donumindex</code>	6084, 6279, 7889,
2870, 2874, 2878,	..... 17229, 17248	14008, 15971,
2914, 2933, 3077	<code>\if@dotocbib</code> 17191	15987, 15995, 16003
<code>\if@bidi@wrapfigloaded@</code>	<code>\if@dotocind</code> 17236, 17253	<code>\if@minipage</code> 4071, 13050
..... 12182	<code>\if@extrafootnotefeatures</code>	<code>\if@mparswitch</code> . . . 18615
<code>\if@bidi@xcolorloaded@</code>	..... 1755, 1823	<code>\if@newlist</code> . . 10176,
..... 12155	<code>\if@fcolmade</code>	10196, 18668, 18720
<code>\if@bidi@xltextraloaded@</code>	..... 6672, 6714,	<code>\if@nobreak</code>
..... 12176	10040, 10076,	... 3655, 10737,
<code>\if@bidi@xtabloaded@</code>	10160, 10782,	12417, 14069, 14083
..... 12272	10806, 13133,	<code>\if@noparlist</code> 5576, 5689
<code>\if@bidi@xunicodeloaded@</code>	13212, 18488, 18513	<code>\if@noskipsec</code>
..... 12179	<code>\if@ff@nwpg</code> 10128	... 6327, 10738,
<code>\if@capbreak</code>	<code>\if@filesw</code> 2285	12418, 14070, 14084
15563, 16130, 16762	<code>\if@firstcolumn</code> 6650,	<code>\if@oldtoc</code> 869,
<code>\if@captionabove</code> . .	6685, 6729, 6810,	895, 1096, 1112,
..... 15596,	6829, 6975,	1350, 1377, 5762,
15602, 15615,	6994, 10012,	5786, 5938,
15625, 16163,	10044, 10766,	5962, 14155,
16169, 16182,	10786, 13063,	14179, 14526, 14550
16192, 16795,	13145, 13233,	<code>\if@openright</code>
16801, 16814, 16824	18475, 18492, 18613	... 5351, 6298, 7909
<code>\if@cftdopart</code> 17285	<code>\if@firstdetailselement</code>	<code>\if@ovb</code> 9992
<code>\if@cfthaschapter</code> .	..... 7188, 7190	<code>\if@ovl</code> 9990
..... 17276,	<code>\if@firstfooterelement</code>	<code>\if@ovr</code> 9989
17280, 17286,	..... 7092, 7095	<code>\if@ovt</code> 9991
17307, 17319, 17341	<code>\if@flushend@auto@baselineskip@parafloatRTL</code> . . .	... 1756, 9538, 9549
<code>\if@cfthaspart</code> . . . 17272	..... 6845	<code>\if@pboxsw</code> 18320
<code>\if@colour</code> 2362	<code>\if@ignore</code> . . 3202, 3204	<code>\if@ref</code> 16263
<code>\if@colourgreen</code> 7023,	<code>\if@inlabel</code> 6328	<code>\if@restonecol</code>
7052, 7121, 7147	<code>\if@inltxdoc</code> 17221	..... 815, 831,
<code>\if@colourgrey</code> 7027,	<code>\if@insert</code> 7003	1079, 1330, 5742,
7066, 7125, 7159	<code>\if@komalongtable</code> .	5918, 6127, 14117,
<code>\if@colourorange</code> . .	. 15612, 16179, 16811	14371, 14828, 17268
..... 7021,	<code>\if@Latin</code> 338,	<code>\if@reversemargin</code> 18618
7045, 7119, 7141	343, 1749, 6364, 6366	<code>\if@rjfield</code> 18657
<code>\if@coloured</code> . 7025,	<code>\if@LTRbibitems</code> . 84,	<code>\if@rll</code> 1748
7059, 7123, 7153	293, 784, 918,	<code>\if@rll@footnote</code> . . 1758
<code>\if@compatibility</code> .	1180, 1429, 1753,	<code>\if@rllmain</code> 1747
.. 730, 881, 956,	2559, 5812, 5999,	<code>\if@rot@twoside</code> . . .
1124, 1207, 1362,	6307, 7648, 7918,	..... 15028,
1456, 5859, 6035,	9856, 13059,	15033, 15043,
14248, 14387,	13500, 14210,	15073, 15079, 15091
15392, 17311, 18407	14603, 14796,	



\if@RTL 12,	10112,	10254,	14505,	14516,
13, 25, 84, 100,	10530,	10610,	14517,	14522,
103, 104, 105, 213,	10612,	10819,	14533,	14556,
214, 230, 233,	10821,	10824,	14559,	14560,
234, 235, 293,	10825,	10842,	14570,	14583,
307, 311, 589,	10845,	10852,	14603,	14631,
725, 742, 745,	10861,	10867,	14747,	14762,
746, 769, 784,	10871,	10874,	14765,	14766,
835, 848, 859,	10888,	10913,	14771,	14772,
860, 865, 876,	10920,	11065,	14796,	14931,
901, 904, 905,	11167,	11269,	14946,	14949,
918, 1085, 1086,	11277,	11659,	14950,	14977,
1092, 1102, 1105,	11695,	11727,	14989,	14998,
1106, 1119, 1141,	11756,	11782,	15108,	15110,
1180, 1334, 1340,	11788,	11792,	15114,	15118,
1341, 1346, 1357,	11795,	11840,	15120,	15125,
1383, 1386, 1387,	11844,	11847,	15129,	15132,
1405, 1429, 1567,	11852,	11960,	15136,	15138,
1568, 1679, 1680,	11963,	11967,	15142,	15169,
1693, 1704, 1748,	12383,	12409,	15178,	15380,
1764, 1860, 1866,	12485,	12492,	15383,	15384,
2116, 2263, 2559,	12525,	12848,	15416,	15420,
4979, 4980, 5097,	12940,	12941,	15431,	15432,
5098, 5099, 5746,	12942,	12943,	15459,	15516,
5752, 5753, 5758,	12944,	12945,	15517,	15518,
5769, 5792, 5795,	13024,	13026,	15520,	15591,
5796, 5812, 5922,	13059,	13267,	15680,	15689,
5928, 5929, 5934,	13271,	13272,	15891,	15894,
5945, 5968, 5971,	13279,	13284,	15895,	15918,
5972, 5999, 6082,	13291,	13296,	15921,	15922,
6093, 6095, 6231,	13500,	13578,	15949,	15953,
6246, 6249, 6250,	13598,	13613,	15967,	16026,
6277, 6291, 6307,	13627,	13752,	16083,	16084,
6325, 6337, 6350,	13802,	13877,	16085,	16087,
6381, 6417, 6458,	13929,	13930,	16158,	16229,
6459, 6463, 6464,	13933,	13937,	16236,	16321,
6466, 6473, 6479,	13956,	13957,	16327,	16355,
6498, 6501, 6502,	13958,	14003,	16364,	16566,
6508, 6513, 6620,	14005,	14011,	16569,	16570,
6623, 6640, 6644,	14022,	14024,	16597,	16601,
7434, 7514, 7529,	14035,	14037,	16615,	16658,
7551, 7552, 7553,	14048,	14050,	16715,	16716,
7554, 7577, 7597,	14059,	14061,	16717,	16719,
7600, 7601, 7611,	14078,	14100,	16790,	16855,
7625, 7638, 7648,	14101,	14121,	16858,	16888,
7864, 7887, 7902,	14134,	14145,	16908,	16922,
7918, 7938, 7941,	14146,	14151,	17108,	17133,
7946, 7954, 9801,	14162,	14185,	17150,	17170,
9816, 9819, 9820,	14188,	14189,	17173,	17178,
9827, 9839, 9856,	14210,	14504,	17182,	17183,



17198,	17293,	18411,	18453,	10938,	10948,
17294,	17295,	18454,	18460,	13224,	13380,
17303,	17324,	18465,	18642,	18519,	18706, 18716
17325,	17326,	18647,	18651,	\if@RTLmarginpar	1751,
17334,	17347,	18659,	18660,	18642,	18647, 18651
17348,	17349,	18661,	18662,	\if@RTLtab	. 574, 575,
17357,	17364,	18729,	18732,	591,	594, 616,
17365,	17366,	18740,	18750,	618,	1575, 1576,
17374,	17381,	18841,	18851, 18857	1595,	1596, 1633,
17382,	17383,	\if@RTL@footnote	..	1634,	1750, 2127,
17391,	17398,	.....	36, 245,	2131,	2132, 2322,
17399,	17400,	1758,	1862, 4350,	2325,	6383, 6385,
17408,	17415,	7980,	8027, 8198,	6407,	6411, 6429,
17416,	17417,	8243,	8347, 8389,	6430,	6443, 6454,
17425,	17432,	8489,	8534, 8638,	10529,	12331,
17433,	17434,	8683,	8787, 8831,	12333,	16923,
17442,	17450,	8936,	8980, 9085,	16927,	16928,
17451,	17452,	9130,	9234, 9279,	16946,	16954,
17460,	17469,	9383,	9428, 9589,	16961,	16986,
17470,	17471,	9639,	10430,	17074,	17075,
17479,	17489,	10476,	10514, 10515	18233,	18281,
17490,	17491,	\if@RTLibibitems	. 84,	18305,	18338,
17499,	17524,	293,	784, 918,	18347,	18356,
17525,	17526,	1180,	1429, 1754,	18365,	18376,
17534,	17574,	2559,	5812, 5999,	18377,	18391,
17575,	17576,	6307,	7648, 7918,	18392,	18412,
17599,	17661,	9856,	13059,	18416,	18417,
17662,	17663,	13500,	14210,	18438,	18446, 18447
17669,	17672,	14603,	14796,	\if@sentedir	..... 1861
17719,	17779,	14998,	15459,	\if@specialpage	...
17784,	17807,	16026,	16658, 17198	.....	10131, 18677
17814,	17874,	\if@RTLcolumnfootnotes	.....	\if@star	..... 13992
17877,	17961,	.....	1757, 8172,	\if@tab@rl	..... 1750
17996,	18004,	8173,	8176, 8177,	\if@tablecaptionabove	
18031,	18032,	8208,	8260, 8356,	15643,	16210, 16842
18035,	18036,	8405,	8499, 8551,	\if@tempwa	.. 3497,
18038,	18075,	8648,	8700, 8797,	3542,	7290, 7347
18079,	18132,	8849,	8946, 8998,	\if@thmmarks	.. 13561,
18137,	18189,	9095,	9147, 9244,	13565,	13582, 13586
18190,	18193,	9296,	9393, 9445	\if@titlecentered	.
18197,	18249,	\if@RTLmain	... 1747,	.....	1549, 14484
18275,	18283,	1763,	1859, 1865,	\if@titlepage	.....
18289,	18295,	6516,	6539, 6562,	.....	623, 836,
18306,	18378,	6585,	6756, 7382,	943,	1142, 1194,
18379,	18381,	7388,	7391, 7405,	1393,	1443, 6129,
18384,	18387,	7423,	10000,	7670,	7763, 9870,
18391,	18392,	10002,	10003,	14122,	14235,
18393,	18394,	10004,	10005,	14372,	14571,
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18399,	18404,	10009,	10259,	15203,	15714, 16389



<code>\if@tocleft</code>	<code>\ifbool</code> 12431, 12440	6984, 6987, 6989,
.. 15374, 15409,	<code>\ifcase</code> 1616,	7237, 7258, 7278,
15885, 15912,	1643, 1647, 1651,	7287, 7314, 7318,
15942, 16560, 16590	1655, 1681, 1779,	7335, 7344, 7366,
<code>\if@tocstyle@penalties</code>	1785, 1791, 1803,	7370, 8097, 8102,
..... 17582, 17691	1809, 1815, 6431,	9978, 9980, 10111,
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..... 17850,	17544, 17651,	10646, 10647,
17861, 17886, 17903	17721, 17831,	10677, 10685,
<code>\if@todonotes@disabled</code>	17839, 18063, 18112	10698, 10713,
..... 17844, 17845	<code>\ifcat</code> 1774, 1876	10746, 10747,
<code>\if@todonotes@dviStyle</code>	<code>\ifconvertcolorsU</code> .	10830, 10837,
..... 17847, 17881	..... 18049,	10876, 10883,
<code>\if@ttb@rotate</code> .. 10253	18065, 18092, 18114	10928, 10998,
<code>\if@twocolumn</code>	<code>\ifcpcoddpage</code> 3854	11136, 11152,
.. 94, 224, 670,	<code>\ifcsname</code> .. 378, 437,	11928, 11934,
802, 818, 845,	503, 524, 2698,	11999, 12384,
852, 1019, 1066,	2704, 2831, 3271,	12930, 12973,
1151, 1162, 1270,	3286, 3500, 3508,	12980, 12984,
1317, 1402, 1409,	13523, 13533,	12986, 13025,
1519, 2271, 5277,	13547, 17606,	13070, 13078,
5729, 5905, 6114,	17607, 17616,	13080, 13152,
6176, 7713, 7810,	17627, 17631,	13160, 13162,
9913, 12923,	17641, 17653,	13234, 13245,
14104, 14131,	17707, 17735,	13329, 13337,
14138, 14311,	17736, 17744,	13343, 13357,
14358, 14452,	17748, 17752,	13365, 13702,
14580, 14587,	17756, 17760,	13749, 13774,
14695, 14815,	17764, 17768, 17772	13832, 13843,
14876, 15282,	<code>\ifdefined</code>	13850, 13855,
15793, 16468,	535, 541, 2716, 2722	13870, 13968,
17223, 18612, 18743	<code>\ifdfn@allowcbreak</code>	13993, 15550,
<code>\if@twoside</code> 7243, 7264	15558, 16117,
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15251, 15264, 7301, 7355	16273, 16279,
15332, 15762,	<code>\ifdfn@trysingle</code> ..	16285, 16291,
15775, 15843, 7282, 7339	16297, 16303,
16437, 16450,	<code>\ifdim</code> 445,	16309, 16315,
16518, 17987, 18680	1669, 1670, 2309,	16749, 16757,
<code>\if@vihproof</code> 13252, 13258	2312, 4084, 4651,	16972, 17617,
<code>\ifadl@inactive</code> ... 1581	5417, 5454, 5456,	17642, 17708,
<code>\ifadl@usingarypkg</code> 1584	5515, 5516, 5518,	17964, 17966,
<code>\ifAM@output</code> 13674	5524, 5564, 5577,	17968, 17970,
<code>\ifAM@survey</code> 13652	5584, 5665, 5667,	17971, 17972,
<code>\ifartopt</code> 12960	5680, 5682, 5690,	17974, 18014,
<code>\ifbidi@autofootnoterule</code>	6358, 6749, 6794,	18021, 18624, 18728
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10488, 10501, 10514	6824, 6854, 6858,	15553, 16120, 16752
<code>\ifblendcolors</code> 18043,	6859, 6873, 6898,	<code>\iffalse</code> 2674,
18064, 18086, 18113	6923, 6958, 6971,	2675, 2677,



10737, 10738,	\ifHy@pdfa ... 11673,	5748, 5764, 5780,
12038, 12417,	11707, 11738, 11767	5843, 5845, 5847,
12418, 14069,	\ifin@ 3516	5924, 5940, 5956,
14070, 14083, 14084	\ifinner	6019, 6021, 6023,
\IfFileExists	2199, 4315, 4359,	6083, 6177, 6226,
.... 3211, 3226,	4403, 10625,	6241, 6264, 6266,
3834, 5297, 5362	17956, 18529, 18573	6268, 6278, 6359,
\iffootdir@debug ..	\ifL@grid 11929	6618, 6626, 6631,
..... 10268, 10272	\ifL@image 11905	6638, 6781, 6790,
\ifGin@grid 13614, 13627	\ifLettrineImage . 11875	6800, 6945, 6954,
\ifGin@iso 10927	\ifLettrineOnGrid 11876	6964, 7178, 7592,
\ifhbox 9544, 9554, 9558	\ifmaskcolors . 18053,	7606, 7619, 7628,
\ifhmode . 2193, 4309,	18064, 18096, 18113	7714, 7811, 7860,
4353, 4397, 4640,	\ifmmode .. 180, 6458,	7874, 7876, 7878,
4646, 6464, 6466,	6463, 10081,	7888, 8178, 9796,
6473, 6479, 6498,	10091, 10819,	9811, 9828, 9914,
17126, 18036,	10821, 10824,	9964, 9966, 9968,
18038, 18075,	10825, 10842,	10229, 10231,
18079, 18132,	10845, 10852,	10233, 10242,
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18437, 18523, 18567	10871, 10874,	10392, 10488,
\ifhv@fbox	10888, 10913,	10501, 10514,
.. 11067, 11073,	10920, 11644,	10746, 10748,
11080, 11086,	11656, 11659,	11646, 11651,
11092, 11098,	11695, 11727,	11912, 11983,
11107, 11111, 11116,	11756, 11782,	11986, 12041,
11120, 11124,	13685, 13743,	12345, 12346,
11128, 11142,	13960, 13996,	12924, 12957,
11158, 11169,	15108, 15110,	13067, 13097,
11173, 11178,	15114, 15118,	13149, 13179,
11182, 11186,	15120, 15125,	13265, 13277,
11190, 11197,	15129, 15132,	13289, 13382,
11203, 11210,	15136, 15138,	13388, 13542,
11216, 11222, 11228	15142, 18031,	13552, 13762,
\ifhv@nonFloat 11010,	18035, 18315, 18402	13768, 13780,
11017, 11035,	\ifNAT@openbib .. 13502	13783, 13784,
11056, 11248, 11250	\ifnum 3, 133,	13785, 13787,
\ifhv@onlyText	139, 204, 306,	13788, 13789,
..... 11018, 11036	414, 453, 565,	13790, 13799,
\ifhv@useOBox	566, 567, 568,	13821, 13826,
..... 10981, 10985	570, 671, 720,	13837, 13848,
\ifHy@href@ismap . 11747	737, 763, 772,	13849, 13855,
\ifHy@hyperfootnotes	855, 871, 889,	13859, 13862,
..... 11284	1020, 1081, 1114,	13863, 13954,
\ifHy@nesting	1132, 1271, 1336,	13955, 13962,
.. 11333, 11344,	1352, 1370, 1520,	14007, 14141,
11355, 11366,	1586, 1587, 1588,	14157, 14173,
11381, 11396,	1589, 1591, 1630,	14230, 14232,
11456, 11494,	1631, 2225, 2267,	14234, 14312,
11527, 11558, 11589	2304, 2305, 5537,	14453, 14512,



14528,	14544,	5664, 5671, 5685	\ifvmode . 3655, 4045,
14595,	14597,	\ifprimitive . 2750, 2757	4048, 4051, 4054,
14599,	14696,	\ifPst@shift@star 13984	12446, 13319,
14743,	14757,	\ifrot@messages ...	13572, 13592, 16959
14783,	14785,	..... 15078, 15090	\ifvoid .. 2302, 2322,
14787,	14877,	\ifshowgrid 13962	6662, 6674, 6701,
14926,	14941,	\iftagsleft@ .. 330, 7431	6717, 6735, 6743,
14964,	14966,	\ifthenelse 177, 182,	6776, 6901, 6912,
14968,	14978,	190, 383, 386,	6940, 7241, 7262,
15271,	15283,	392, 401, 406,	7273, 7298, 7330,
15370,	15388,	507, 510, 516,	7352, 8116, 8133,
15403,	15404,	2513, 2530, 2534,	8143, 9775, 9782,
15426,	15782,	2538, 2546, 3737,	10548, 10706,
15794,	15881,	3807, 3809, 3812,	10727, 11823,
15899,	15908,	3816, 3819, 3822,	11827, 12462,
15926,	15936,	3847, 3904, 3923,	13304, 13877, 18137
15937,	15958,	3938, 3943, 3949,	\ifWF@float 17969, 17983
15970,	15986,	3958, 3963, 3969,	\ifx 111,
15994,	16002,	3975, 3976, 3983,	130, 132, 147, 151,
16457,	16469,	3990, 3992, 3998,	155, 162, 389, 513,
16556,	16574,	4015, 4033, 4035,	1004, 1008, 1255,
16584,	16585,	4039, 4057, 4058,	1259, 1504, 1508,
16606,	17017,	4061, 4062, 4097,	2075, 2081, 2087,
17065,	17066,	4106, 4117, 4127,	2102, 2133, 2186,
17067,	17068,	4176, 4291, 4515,	2189, 2265, 2291,
17070,	17155,	4533, 4534, 4552,	2519, 2520, 2521,
17157,	17275,	4553, 4571, 4572,	2523, 2583, 2586,
17279,	17321,	4603, 4604, 4719,	2606, 2610, 2630,
17340,	17362,	4724, 4748, 4753,	2634, 2649, 2653,
17379,	17396,	4777, 4782, 4859,	2691, 2705, 2723,
17413,	17430,	4863, 4911, 5124,	2794, 2982, 2998,
17448,	17467,	5170, 5179, 5187,	3216, 3240, 3255,
17487,	17522,	5214, 5261, 5330,	3320, 3332, 3364,
17581,	17586,	5341, 7082, 7088,	3375, 3410, 3416,
17604,	17777,	7105, 7108, 7109,	3427, 3428, 3439,
17995,	18256,	7110, 7111, 7112,	3469, 3478, 3479,
18443,	18444,	7198, 7203, 7206,	3499, 3514, 3524,
18458,	18620,	7207, 7208, 7209,	3538, 3545, 3557,
18642, 18737, 18738		7210, 7213, 7217,	3573, 3628, 3639,
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7413, 7473, 10136,		13642, 15032, 15077	5588, 5639, 5644,
17987, 18616, 18681		\iftocstyle@autolength	5646, 7310, 7362,
\ifoddpaper 3848		..... 17626	7936, 7952, 7956,
\ifonelinecaptions		\iftocstyle@indentnotnumbered	10022, 10054,
15524, 16091, 16723		..... 17671, 17718	10389, 10590,
\ifpdf 358		\iftrue 2676,	10856, 10898,
\ifpgfrememberpicturepositiononpage6, 4269, 4282		..... 17131	10899, 10905,
..... 13698		\ifttl@label 17131	10972, 10974,
\ifpoem@started ...		\ifTX@ 17007	10980, 10991,
..... 5511, 5517,		\ifvbox 9752	10993, 10996,



10997,	11014,	16075,	16080,	10949,	10954,
11020,	11021,	16225,	16253,	11847,	13047,
11023,	11026,	16254,	16255,	13054,	14127,
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11177,	11196,	16321,	16351,	16126,	16131,
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11625,	11628,	16521,	16529,	16786,	18075,
11631,	11675,	16535,	16547,	18079,	18301,
11683,	11709,	16561,	16591,	18332,	18342,
11717,	11740,	16645,	16707,	18351,	18360, 18369
11769,	11842,	16712,	16967,	\ilg	13771, 13794
11889,	12009,	17166,	17507,	\immediate	
12010,	12014,	17593,	17664,	.. 2286, 3652, 5651	
12016,	12350,	17676,	17684,	\in@	3515
13034,	13396,	17701,	17726,	\includegraphics	
13400,	13404,	17793,	17798,	... 2554, 7084,	
13528,	13532,	17800,	18044,	7215, 13602, 13644	
13539,	13545,	18087,	18198,	\includemedia	
13658,	13670,	18309,	18686,	12502, 12826, 12827	
13938,	13977,	18687, 18689, 18690		\includepdf	13635
14018,	14031,	\ifXC@tst . 18067, 18116		\IncMargin	182
14044,	14296,	\ignorespaces	45,	\indentedwidth	7954
14300,	14437,	58, 73, 118,		\index	10185, 18696
14441,	15165,	254, 267, 281,		\indexname	809,
15191,	15198,	338, 537, 841,		810, 811, 825,	
15218,	15223,	850, 1147, 1398,		826, 1073, 1074,	
15230,	15236,	1407, 3139, 4068,		1324, 1325, 5084,	
15260,	15331,	4075, 4076, 4085,		5085, 5736, 5737,	
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15349,	15361,	4741, 4770, 4799,		6122, 6123, 14111,	
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15447,	15508,	5659, 5660, 5807,		14366, 14822,	
15513,	15676,	5994, 6362, 6368,		14823, 14824,	
15702,	15709,	6473, 6479, 6487,		17232, 17233,	
15729,	15734,	6494, 7941, 7955,		17234, 17238,	
15741,	15747,	7990, 8006, 8022,		17239, 17240,	
15771,	15842,	8036, 8049, 8062,		17243, 17244,	
15846,	15854,	10441, 10457,		17250, 17251,	
15860,	15872,	10472, 10498,		17255, 17256,	
15886,	15913,	10511, 10524,		17257, 17260, 17261	
15943,	16013,	10940, 10944,		\indexspace	5100



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5056, 5064, 5069,
5090, 5740, 5916,
6126, 10086,
10101, 14115,
14369, 14827, 17267
\itemindent .. 5051,
5052, 5060, 18263
\itemsep 3796,
4997, 5036, 5050
\itemx 13428
\itemxox 13463
\itemxoxx 13473
\itemxxx 13431
\itemxxo 13468
\itemxxxox 13480
\itemxxxx 13436
\itemxxxo 13487
\itemxxxxx 13443
\itemxxxxxx 13452
\itshape
1983, 2526, 4860,
4862, 4866, 4873,
4880, 4915, 4922,
4929, 4936, 4943,
5247, 5248, 5249

J

\juo@ht 13086,
13093, 13168,
13175, 13241, 13248
\juo@pr 13069,
13099, 13151, 13181
\juo@sar 13068,
13098, 13137,
13150, 13180, 13216
\juo@sk . 13067, 13097,
13137, 13149,
13179, 13216, 13249
\justifying .. 3830,
3900, 4452, 14056
\JustifyingParfillskip
..... 14062
\JustifyingParindent
..... 3802,
4455, 5023, 14063

K

\keepthetitle ... 12906
\kern 27,
29, 30, 31, 237,

239, 240, 241,
751, 753, 755,
757, 933, 934,
936, 939, 940,
942, 954, 1169,
1171, 1174, 1176,
1205, 1412, 1413,
1415, 1418, 1419,
1421, 1454, 1682,
1687, 2006, 2007,
2008, 2009, 2010,
2011, 2012, 2013,
2017, 2018, 2065,
2067, 2068, 4266,
4267, 4277, 4278,
4280, 4742, 4743,
4771, 4772, 4800,
4801, 5827, 5828,
5830, 5833, 5834,
5836, 5857, 5980,
5981, 5983, 5986,
5987, 5989, 6033,
6256, 6258, 6260,
6262, 6432, 6437,
6459, 7227, 7228,
7517, 7524, 7532,
7539, 7578, 7582,
7663, 7665, 7667,
7669, 7961, 7963,
7965, 7967, 7974,
7975, 8090, 8091,
9846, 9848, 9850,
9852, 9989, 9990,
9991, 10206,
10349, 10351,
10352, 10353,
10354, 10355,
10387, 10595,
10659, 10838,
10884, 11856,
11858, 11860,
11862, 13328,
13422, 13424,
13425, 13426,
13945, 13948,
13975, 13991,
14197, 14198,
14200, 14203,
14204, 14206,
14246, 14385,

14618, 14619,
14621, 14624,
14625, 14627,
14775, 14777,
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14956, 14958,
14960, 14962,
15190, 15194,
15197, 15200,
15201, 15507,
15510, 15512,
15515, 15701,
15705, 15708,
15711, 15712,
16074, 16077,
16079, 16082,
16245, 16247,
16249, 16251,
16376, 16380,
16383, 16386,
16387, 16706,
16709, 16711,
16714, 16892,
16898, 17137,
17997, 18001,
18007, 18010,
18032, 18209,
18212, 18214, 18639
\keys ... 12483, 12515,
12606, 12844, 12845
\keywords 326
\kill 12347
\KOMACClassName 15272,
15650, 15783,
16217, 16458, 16849
\KV@do 11897, 11902
\KV@prefix . 11895, 11900

L

\l .. 7473, 7489, 7492,
7498, 7501, 7503,
7504, 7507, 7508,
7511, 7514, 7515,
7516, 7521, 7522,
7523, 7529, 7530,
7531, 7536, 7537,
7538, 7547, 7550,
7558, 12485,
12486, 12492,
12493, 12509,



12510,	12525,	11936,	11940,	\l@section .	736, 896,
12526,	12527,	11945,	11946,		909, 1097, 1110,
12545,	12563,	11948,	11949, 11960		1378, 1391, 7591,
12571,	12576,	\L@gridfalse	11876		15402, 17339, 17750
12590,	12595,	\L@gridtrue	11876	\L@slope	
12599,	12600,	\L@chang	11867, 11944		. 11873, 11964, 11965
12601,	12603,	\L@imagefalse	11875	\l@subfigure	17466
12604,	12605,	\L@imagetrue	11875	\l@subparagraph	17412, 17766
12608,	12612,	\L@lbox	11898,	\l@subsection	17361, 17754
12614,	12615,		11899, 11906,	\l@subsubsection	17378, 17758
12616,	12617,		11908, 11913,	\l@subtable	17486
12618,	12619,		11923, 11943,	\l@table	4985, 17447, 17770
12620,	12622,		11944, 11955,	\L@tbox	11910, 11914, 11972
12623,	12624,		11956, 11957, 11970	\L@textcolor	11887, 11888
12625,	12627,	\l@L0Keys	11890,	\label	2550, 3952,
12628,	12629,		11892, 11897, 11902		3954, 3956, 3960,
12631,	12632,	\L@lraise	11915,		4006, 10184,
12633,	12636,		11921, 11922,		11028, 11046, 18695
12637,	12638,		11924, 11925, 11970	\labelitemi	953, 1204,
12641,	12674,	\L@next	11951,		1267, 1453, 5856,
12676,	12679,		11952, 11963, 11965		6032, 14245, 14384
12704,	12706,	\l@ngrel@x		\labelname	13429,
12738,	12742,		. . . . . 2794, 2795, 2797		13432, 13434,
12754,	12755,	\L@Nindent	11872,		13437, 13439,
12801,	12809,		11950, 11952,		13441, 13444,
12815,	12826,		11954, 11963, 11964		13446, 13448,
12827,	12848,	\L@novskip			13450, 13453,
12849,	12850,		. 11874, 11928, 11932		13455, 13457,
12851,	12852,	\L@oversize	11868		13459, 13461,
12853,	12900, 12901	\l@paragraph	17395, 17762		13464, 13466,
\l@	17538	\L@parshape	11960,		13469, 13471,
\L@ante	11870, 11945, 11970		11963, 11967, 11969		13474, 13476,
\l@chapter	5787, 5801,	\l@part	719, 870, 888,		13478, 13481,
	5963, 5977, 6240,		1113, 1131, 1351,		13483, 13485,
	9810, 14180,		1369, 5763, 5779,		13488, 13490, 13492
	14194, 14551,		5939, 5955, 6225,	\labelsep	82, 86, 291,
	14565, 14756,		7605, 7859, 9795,		295, 788, 922,
	14940, 15935,		14156, 14172,		1184, 1433, 2564,
	16583, 17188,		14527, 14543,		2566, 5013, 5015,
	17189, 17320, 17746		14742, 14925,		5072, 5816, 6003,
\l@color	11885, 11886		15369, 15880,		6311, 7652, 7922,
\l@figure	4984,		15907, 16555,		9860, 13429,
	4985, 17429, 17774		17185, 17186,		13432, 13434,
\L@Findent			17273, 17738, 17741		13437, 13439,
	. 11871, 11947, 11971	\L@Pindent	11943,		13441, 13444,
\L@first	11913, 11914,		11944, 11946,		13446, 13448,
	11917, 11918,		11947, 11949,		13450, 13453,
	11920, 11921,		11950, 11953, 11960		13455, 13457,
	11922, 11923,	\L@raise	11869, 11921		
	11928, 11934,				



13459,	13461,	1302, 1461, 1552,	14663,	14750,
13464,	13466,	1563, 4915, 4922,	14843,	14849,
13469,	13471,	5004, 5247, 5864,	14914,	14920, 14934
13474,	13476,	6040, 6141, 6212,	\Largr	1987
13478,	13481,	7167, 7680, 7745,	\Largs	1986
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13492,	14214,	14343, 14392,	9543, 9553, 9557,	
14607,	14800,	14489, 14500,	12443, 13877, 18137	
15002,	15465,	14655, 14841, 14912	\lastbox@a . . .	6860,
16032, 16664, 17202	\Large	773, 4866, 4929,	6861, 6864, 6865	
\labelwidth	85,	5003, 5248, 5249,	\LastFrameCommand .	
86, 294, 295,		7078, 7171, 7629,	. . . . .	10613, 10723
786, 787, 920,		14731, 15238,	\lastkern . . .	4651, 10698
921, 1182, 1183,		15244, 15246,	\lastpenalty	
1431, 1432, 2563,		15262, 15351,	. . .	6359, 15404,
2565, 5014, 5015,		15358, 15360,	15937, 16585, 17586	
5814, 5815, 6001,		15363, 15749,	\lastrule	6404
6002, 6309, 6310,		15755, 15757,	\lastskip	4084,
7650, 7651, 7920,		15773, 15862,	5577, 5578, 5690,	
7921, 9858, 9859,		15869, 15871,	5691, 6358, 6847,	
10751, 13429,		15874, 16424,	6848, 6852, 6853,	
13432, 13434,		16430, 16432,	6855, 6862, 6867	
13437, 13439,		16448, 16537,	\lastskip@a	
13441, 13444,		16544, 16546, 16549	. . .	6850, 6854, 6858
13446, 13448,	\large	. 637, 643, 708,	\lastskip@b . . .	6848,
13450, 13453,		714, 728, 879,	6850, 6852,	
13455, 13457,		968, 978, 1053,	6854, 6858, 6859	
13459, 13461,		1059, 1122, 1219,	\lastskip@d . . .	6847,
13464, 13466,		1229, 1304, 1310,	6853, 6855, 6861,	
13469, 13471,		1360, 1468, 1478,	6862, 6865, 6867,	
13474, 13476,		1554, 1560, 1564,	6868, 6871, 6881	
13478, 13481,		1569, 4873, 4936,	\LaTeX	11804,
13483, 13485,		5002, 5772, 5871,	18201, 18202, 18214	
13488, 13490,		5881, 5948, 6047,	\LaTeXe	18203, 18204
13492, 14212,		6057, 6143, 6149,	\LBEG	1988
14213, 14605,		6214, 6220, 6234,	\lcb 1985, 1988, 1989, 1992	
14606, 14798,		7077, 7079, 7170,	\lccode	17988, 17989
14799, 15000,		7172, 7614, 7682,	\Lcs	1999
15001, 15463,		7688, 7747, 7753,	\LcsStar	2000
15464, 16030,		7777, 7783, 7848,	\leaders	15200,
16031, 16662,		7854, 7867, 9804,	15711, 16386,	
16663, 17200, 17201		9882, 9888, 9947,	16905, 17179,	
\langle	1984	9953, 14165,	17677, 17786, 18467	
\Larg	1983, 1984,	14260, 14270,	\leavevmode	14,
1985, 1986, 1987		14345, 14351,	215, 307, 357,	
\Larga	1984	14399, 14409,	497, 590, 727,	
\Largb	1985	14491, 14497,	744, 864, 878,	
\LARGE	635, 706,	14501, 14506,	903, 954, 1091,	
961, 1051, 1212,		14536, 14657,	1104, 1121, 1205,	



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2495, 4639, 4977,	1200, 1411, 1449,	18357, 18358,
5445, 5521, 5757,	5826, 5852, 5979,	18359, 18364,
5771, 5794, 5857,	6028, 6133, 6255,	18366, 18367, 18368
5933, 5947, 5970,	7662, 7674, 7767,	\leftmargini .. 3793,
6033, 6233, 6248,	7960, 9845, 9874,	4994, 5007, 5014
6327, 6328, 6458,	10352, 10358,	\leftmarginii 5008
6510, 7599, 7613,	10371, 10373,	\leftmarginiii ... 5009
7866, 8232, 8378,	10501, 10514,	\leftmarginiv 5010
8523, 8672, 8821,	11855, 14196,	\leftmarginv 5011
8970, 9119, 9268,	14241, 14378,	\leftmarginvi 5012
9417, 9803, 9818,	14617, 14637,	\leftmarginwidth . 14771
10086, 10101,	14774, 14833,	\leftmark 5344
10527, 10826,	14955, 15188,	\leftskip 12,
10872, 10892,	15210, 15506,	13, 213, 214, 307,
11662, 11699,	15699, 15721,	311, 725, 742,
11731, 12438,	16073, 16245,	745, 746, 835,
12506, 12835,	16374, 16396, 16705	848, 859, 860,
13270, 13282,	\leftfootnoterule .	865, 876, 901,
13294, 13876,	1794, 7224, 7971,	904, 905, 1085,
13942, 13947,	10356, 10359,	1086, 1092, 1102,
13993, 14014,	10587, 10810, 18745	1105, 1106, 1119,
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14187, 14246,	18383, 18389, 18391	1341, 1346, 1357,
14385, 14521,	\leftmargin 86,	1383, 1386, 1387,
14535, 14558,	295, 787, 788,	1405, 4971, 4979,
14749, 14764,	921, 922, 1157,	4980, 5551, 5746,
14933, 14948,	1183, 1184, 1432,	5752, 5753, 5758,
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15419, 15711,	3793, 4994, 5053,	5796, 5922, 5928,
15893, 15920,	5054, 5061, 5067,	5929, 5934, 5945,
15952, 16386,	5815, 5816, 6002,	5968, 5971, 5972,
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17352, 17369,	14213, 14214,	7601, 7611, 7864,
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17668, 17782,	16031, 16032,	13271, 13272,
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18211, 18213,	17201, 17202,	13291, 13296,
18221, 18228,	18273, 18276,	14022, 14024,
18303, 18412, 18463	18286, 18290,	14035, 14037,
\left 18222, 18229, 18237	18298, 18337,	14048, 14050,
\left@footnoterule	18339, 18340,	14059, 14061,
..... 30,	18341, 18346,	14078, 14121,



14134,	14145,	17526,	17534,	1243,	1244,	1245,
14146,	14151,	17574,	17575,	1246,	1247,	1248,
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14747,	14762,	18399,	18460,	1490,	1491,	1492,
14765,	14766,	\LEND	1989	1493,	1494,	1495,
14771,	14772,	\LenToUnit		1496,	1497,	1498,
14931,	14946,	. . . 7391, 7405, 7423		1533,	1534,	1535,
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15380,	15383,	13955, 18736, 18738		1539,	1540,	1541,
15384,	15416,	\let	83,	1542,	1543,	1551,
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17417,	17425,	991, 992, 993,		2686,	2687,	2689,
17432,	17433,	994, 995, 996,		2767,	2770,	2778,
17434,	17442,	997, 998, 1033,		2795,	2817,	2839,
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4282, 4526, 4527,
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5439, 5440, 5458,
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5482, 5483, 5484,
5485, 5486, 5487,
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6029, 6030, 6068,
6069, 6070, 6071,
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6126, 6131, 6132,
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6209, 6210, 6211,
6314, 6338, 6340,
6343, 6344, 6345,
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7674, 7675, 7676,
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8341, 8342, 8343,
8344, 8346, 8477,
8478, 8479, 8483,
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8488, 8626, 8627,
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8781, 8782, 8783,
8784, 8786, 8924,
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9228, 9229, 9230,
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9630, 9644, 9658,
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9899, 9900, 9901,
9902, 9903, 9927,



9928, 9929, 9930,		11817,	11828,	14086,	14087,
9931, 9932, 9933,		11886,	11896,	14096,	14098,
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9937, 9944, 9999,		12337,	12338,	14217,	14239,
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10137, 10138,		12352,	12354,	14283,	14284,
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10174, 10176,		12378,	12393,	14289,	14290,
10184, 10185,		12394,	12395,	14325,	14326,
10186, 10196,		12417,	12418,	14327,	14328,
10199, 10331,		12419,	12420,	14329,	14330,
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10539, 10540,		12909,	12910,	14369,	14376,
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10737, 10738,		12972,	12975,	14420,	14421,
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10812, 10813,		13377,	13397,	14426,	14427,
10814, 10895,		13398,	13401,	14428,	14429,
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11374, 11387,		13623,	13625,	14474,	14475,
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11418, 11427,		13934,	13939,	14640,	14641,
11463, 11501,		13949,	13950,	14669,	14670,
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11596, 11602,		13953,	14015,	14673,	14674,
11604, 11605,		14019,	14021,	14675,	14676,
11606, 11607,		14032,	14034,	14677,	14678,
11608, 11609,		14045,	14047,	14679,	14680,
11610, 11611,		14057,	14058,	14709,	14710,
11623, 11626,		14069,	14070,	14711,	14712,
11629, 11632,		14071,	14072,	14713,	14714,
11799, 11800,		14073,	14083,	14715,	14716,
11801, 11802,		14084,	14085,	14717,	14718,



14719,	14720,	15537,	15538,	16499,	16500,
14721,	14727,	15539,	15540,	16501,	16502,
14728,	14729,	15541,	15542,	16503,	16504,
14803,	14827,	15636,	15638,	16505,	16506,
14831,	14832,	15644,	15646,	16507,	16508,
14833,	14834,	15658,	15659,	16509,	16510,
14835,	14836,	15660,	15719,	16514,	16515,
14837,	14855,	15720,	15721,	16516,	16675,
14856,	14857,	15722,	15723,	16700,	16701,
14858,	14859,	15724,	15725,	16725,	16726,
14860,	14861,	15727,	15791,	16727,	16728,
14862,	14863,	15808,	15809,	16729,	16730,
14864,	14865,	15810,	15811,	16736,	16737,
14866,	14890,	15812,	15813,	16738,	16739,
14891,	14892,	15814,	15815,	16740,	16741,
14893,	14894,	15816,	15817,	16835,	16837,
14895,	14896,	15818,	15819,	16843,	16845,
14897,	14898,	15820,	15821,	16863,	16864,
14899,	14900,	15822,	15823,	16865,	16868,
14901,	14902,	15824,	15825,	16924,	16925,
14909,	14910,	15826,	15827,	16926,	16930,
14911,	15005,	15828,	15829,	16941,	16942,
15030,	15057,	15830,	15831,	16943,	16950,
15058,	15075,	15832,	15833,	16951,	16957,
15147,	15148,	15834,	15835,	16966,	16967,
15149,	15208,	15839,	15840,	16968,	16970,
15209,	15210,	15841,	16043,	16973,	16977,
15211,	15212,	16068,	16069,	16980,	16982,
15213,	15214,	16093,	16094,	16985,	16994,
15216,	15280,	16095,	16096,	16997,	17010,
15297,	15298,	16097,	16098,	17011,	17012,
15299,	15300,	16104,	16105,	17027,	17028,
15301,	15302,	16106,	16107,	17029,	17030,
15303,	15304,	16108,	16109,	17031,	17032,
15305,	15306,	16203,	16205,	17034,	17035,
15307,	15308,	16211,	16213,	17038,	17039,
15309,	15310,	16333,	16334,	17116,	17145,
15311,	15312,	16335,	16394,	17174,	17179,
15313,	15314,	16395,	16396,	17185,	17188,
15315,	15316,	16397,	16398,	17205,	17267,
15317,	15318,	16399,	16400,	17271,	17300,
15319,	15320,	16402,	16466,	17301,	17302,
15321,	15322,	16483,	16484,	17331,	17332,
15323,	15324,	16485,	16486,	17333,	17354,
15328,	15329,	16487,	16488,	17355,	17356,
15330,	15476,	16489,	16490,	17371,	17372,
15501,	15502,	16491,	16492,	17373,	17388,
15526,	15527,	16493,	16494,	17389,	17390,
15528,	15529,	16495,	16496,	17405,	17406,
15530,	15531,	16497,	16498,	17407,	17422,



17423,	17424,	\LettrineDepth . . .	11957	10761,	10975,
17439,	17440,	\LettrineFont 11898,	11908	11948,	11951,
17441,	17457,	\LettrineFontEPS .	11906	11967,	12423,
17458,	17459,	\LettrineHeight . .	11956	12980,	12986,
17476,	17477,	\LettrineTextFont .		13576,	13578,
17478,	17496,	. . . . .	11910, 11919	13596,	13598,
17497,	17498,	\LettrineWidth		13766,	13772,
17531,	17532,	. . . . .	11899, 11955	13858,	13867,
17533,	17580,	\lftside	13808,	13868,	13919,
17796,	17804,	13810,	13813,	13921,	14076,
17809,	17816,	13815,	13829, 13831	14090,	15622,
17833,	17836,	\line	6520, 6521,	16189,	16821,
17896,	17954,	6523, 6524, 6530,		18179,	18181,
17958,	18036,	6531, 6533, 6534,		18272,	18273,
18041,	18051,	6543, 6544, 6546,		18300,	18337,
18055,	18084,	6547, 6553, 6554,		18339,	18340,
18094,	18098,	6556, 6557, 6566,		18341,	18346,
18138,	18142,	6567, 6569, 6570,		18348,	18349,
18185,	18186,	6576, 6577, 6579,		18350,	18355,
18187,	18188,	6580, 6589, 6590,		18357,	18358,
18191,	18192,	6592, 6593, 6599,		18359,	18364,
18194,	18199,	6600, 6602, 6603,		18366,	18367,
18201,	18203,	13956, 13957, 13958		18368, 18658, 18661	
18215,	18216,	\lineskip 198, 613, 638,		\link	2529
18217,	18218,	709, 969, 1054,		\list	85, 294, 785,
18222,	18223,	1220, 1305, 1469,		919, 1155, 1181,	
18229,	18230,	1555, 1564, 2399,		1430, 5032, 5050,	
18231,	18245,	5872, 6048, 6144,		5059, 5067, 5813,	
18266,	18318,	6215, 7683, 7748,		6000, 6308, 7649,	
18371,	18374,	7778, 7849, 9883,		7919, 9857, 13501,	
18375,	18389,	9948, 10188,		14211, 14604,	
18390,	18408,	12379, 12426,		14797, 14999,	
18413,	18414,	14079, 14093,		15460, 16027,	
18415,	18419,	14261, 14346,		16659, 17199, 18255	
18431,	18432,	14400, 14492,		\listdoubleitemmaincolumnwidth	
18433,	18434,	14501, 14658,		. . . . .	2469,
18440,	18441,	14734, 14844,		2482, 2483,	
18442,	18666,	14915, 15238,		2484, 2511, 2515	
18668,	18681,	15352, 15749,		\listfigurename	
18682,	18683,	15863, 16424,		. . . . .	4954, 4955
18684,	18686,	16538, 16945,		\listitemmaincolumnwidth	
18687,	18689,	16985, 18436, 18698		. . . . .	2468,
18690,	18695,	\lineskiplimit		2476, 2477, 2509	
18696,	18697,	. . . . .	10189, 18698	\listitemsymbol 2410,	
18720,	18723,	\linespacing	24	2467, 2508,	
18735,	18736,	\linewidth	2523,	2510, 7033, 7131	
18744,	18745,	3982, 10087,		\listitemsymbolwidth	
18746, 18885, 18887		10102, 10106,		. . . . .	2466,
\Letter	2415	10749, 10757,		2467, 2477, 2483	
\lettergroup	5101	10758, 10760,		\listoffigures	4952



<code>\listoftables</code>	4960	11570,	11587,	<code>\lst@HRefStepCounter</code>	
<code>\listparindent</code>		11812,	11991,	. . . . .	12010, 12016
1155, 5052, 5059,		12922,	12972,	<code>\lst@ifnumberbychapter</code>	
5060, 18262, 18271		13022,	13044,	. . . . .	12038, 12039
<code>\listtablename</code> 4962, 4963		13409,	13413,	<code>\lst@Key</code>	11975
<code>\llap</code> 5039, 7446, 8098,		13417,	13747,	<code>\lst@MakeCaption</code> . .	
10004, 10009,		13941,	14244,	. . . . .	12008, 12021
10817, 10940,		14309,	14383,	<code>\lst@makecaption</code>	12006
10942, 10944,		14450,	14645,	<code>\lst@maketitle</code>	
10946, 10949,		14688,	14873,	. . . . .	12007, 12033, 12035
10951, 10954,		15163,	15674,	<code>\lst@title@dropdelim</code>	
10956, 11970,		16224,	16324,	. . . . .	12007
16890, 17134, 17152		16349,	16862,	<code>\lstKV@SwitchCases</code>	11976
<code>\LoadClass</code>	5286, 5310	17050,	17054,	<code>\lstset</code>	1945
<code>\long</code>	34, 47, 62, 243,	17057,	17061,	<code>\LT@chl</code>	12339, 12341
256, 270, 667,		18030,	18205,	<code>\LT@save@row</code>	2291
952, 1017, 1203,		18302,	18539,	<code>\LT@tabarray</code>	
1266, 1452, 1517,		18543,	18547,	. . . . .	12338, 12342
1917, 2136, 2139,		18583,	18587,	<code>\LT@array</code> 2275, 11808,	
2142, 2147, 2150,		18591, 18650, 18725		12328, 15636,	
2153, 2619, 2620,		<code>\longindentation</code> .	7953	15637, 16203,	
2629, 2632, 2643,		<code>\longtable</code>	2263	16204, 16835, 16836	
2735, 2739, 2772,		<code>\longthickrule</code>		<code>\LT@bchunk</code>	
2797, 2801, 2911,		. . . . .	14726, 14732	. . . . .	12369, 12376, 12380
2930, 3005, 3021,		<code>\loop</code>	453, 6613, 6738,	<code>\LT@caption</code>	12347,
3033, 3042, 3074,		6744, 6849, 6904,		15638, 15644,	
3102, 3114, 3115,		6916, 9541, 9551,		15646, 16205,	
3648, 3922, 4065,		11934, 13764,		16211, 16213,	
4325, 4329, 4333,		13800, 13827,		16837, 16843, 16845	
4369, 4373, 4377,		13838, 13865, 17005		<code>\LT@cols</code>	12382,
4413, 4417, 4421,		<code>\lower</code>	13947,	. . . . .	15621, 16188, 16820
4632, 4716, 4745,		13981, 13989,		<code>\LT@echunk</code>	2281
4774, 5592, 5595,		18024, 18211, 18213		<code>\LT@end@open</code>	2297, 2305
5598, 5602, 5605,		<code>\lowercase</code>	3770, 4471	<code>\LT@endpbox</code>	12349
5608, 5855, 6031,		<code>\lowertitleback</code> . . .		<code>\LT@entry</code>	2279, 2286
6173, 6457, 7231,		. . . . .	15321, 15832, 16507	<code>\LT@entry@chop</code> . . .	2279
7252, 7710, 7807,		<code>\LR</code> 11800, 13927, 13947,		<code>\LT@entry@write</code> . .	2286
9910, 10429,		18187, 18211, 18213		<code>\LT@err</code>	2272, 2306
10445, 10460,		<code>\lrb</code>	1987, 1996	<code>\LT@final@warn</code> . . .	2295
10487, 10500,		<code>\LRE</code>	1770, 1872, 11799,	<code>\LT@foot</code>	2309,
10513, 10815,		13927, 13930,		2313, 2322,	
10825, 10871,		17836, 18187, 18190		2325, 11823, 11827	
10912, 10919,		<code>\LRfootnoterule</code> . . .		<code>\LT@get@widths</code> . . .	2284
11331, 11342,		. . . . .	7226, 7973, 10359	<code>\LT@head</code>	2316, 2329
11353, 11364,		<code>\lsb</code>	1986, 1994	<code>\LT@hline</code>	12347
11379, 11394,		<code>\lst@caption</code>	12010,	<code>\LT@kill</code>	12347
11437, 11454,		. . . . .	12016, 12023, 12028	<code>\LT@lastfoot</code>	
11475, 11492,		<code>\lst@alloverstyle</code> . .		. . . . .	2309, 2311, 2322
11508, 11525,		. . . . .	1975, 1981	<code>\LT@LL@FM@cr</code> 12356, 12360	
11539, 11556,				<code>\LT@make@row</code>	12377



\LT@makecaption 12381, 15613, 16180, 16812	\LTRfootnote ... 630, 704, 2073, 2081, 4808, 5158, 6136, 6210, 7770, 7844, 10414, 14381, 14487, 14640, 14728, 14836, 14910, 15213, 15329, 15724, 15840, 16399, 16515	15809, 15840, 16399, 16484, 16515
\LT@mc col 12337, 12382, 15621, 16188, 16820	\LTRfootnotetext .. 2140, 2151, 5596, 5606, 10560, 10562, 11433, 12400, 17051, 17055	\ltx@firstofthree 10284, 10308
\LT@no@pgbk 12345, 12346	\LTRfoottextfont 8015, 8022, 8043, 8049, 8120, 8210, 8238, 8258, 8358, 8384, 8403, 8501, 8529, 8549, 8650, 8678, 8698, 8799, 8827, 8847, 8948, 8976, 8996, 9097, 9125, 9145, 9246, 9274, 9294, 9395, 9423, 9443, 9595, 9623, 9647	\ltx@ifundefined 10278, 10302
\LT@nofcols 12376	\LTRmarginnote ... 4822	\ltx@secondofthree 10287, 10311
\LT@output 2303	\LTRmarginpar ... 18522	\ltx@thirdofthree . 10280, 10297, 10304
\LT@p@ftn 11432, 11435, 11439, 11449, 11470, 11473, 11477, 11487, 12400, 12401, 12403, 12404	\LTRmulticolcolumns 13376	
\LT@p@ftntext ... 12393	\LTRrsidenote . 4547, 4804	
\LT@p@LTRftntext 11430, 11437, 12394, 12399	\LTRthanks 630, 650, 685, 704, 5158, 5166, 5183, 5199, 5210, 6136, 6156, 6191, 6210, 7770, 7790, 7825, 7844, 10558, 12909, 14381, 14421, 14467, 14487, 14640, 14670, 14710, 14728, 14836, 14856, 14891, 14910, 15213, 15298, 15329, 15724,	
\LT@p@RTLftntext 11468, 11475, 12395, 12402		
\LT@rows 12371		
\LT@save@row 2280, 2289, 2291		
\LT@setprevdepth . 12372		
\LT@start 2282, 11825, 11835		
\LT@startpbox 12353, 12360, 12391		
\LT@tabularcr 12343		
\LT@warn 2293		
\LT@capwidth 12382		
\LT@left 12331, 12333, 12335, 12373		
\LT@post 2301		
\LTR 13919, 18179		
\LTR@column@boxes . 13335, 13378, 13380		
\LTR@outputdblcol 6684, 10043, 10766, 13144, 18491, 18519, 18521		
\LTR@bituftesidenotemarginpar .. 4352, 4677, 4825		
\LTRcite 4622, 4739, 4768, 4797, 4819, 4828, 4837		
\LTRcolumnfootnotes 8080		
\LTRdblcol 18521		
\LTRdfnmakecol ... 7384		
		M
		\m@addvipersep 13089, 13171
		\m@m@float@spacing 8084
		\m@m@footnote@spacing 7981, 7997, 8013, 8029, 8042, 8055, 8083, 8199, 8209, 8219, 8245, 8257, 8270, 8297, 8310, 8325, 8330, 8348, 8357, 8366, 8391, 8402, 8414, 8440, 8452, 8467, 8472, 8490, 8500, 8510, 8536, 8548, 8561, 8588, 8601, 8616, 8621, 8639, 8649, 8659, 8685, 8697, 8710, 8737, 8750, 8765, 8770, 8788, 8798, 8808, 8834, 8846, 8859, 8886, 8899, 8914, 8919, 8937, 8947, 8957, 8983, 8995, 9008, 9035, 9048, 9063, 9068, 9086, 9096, 9106, 9132, 9144, 9157, 9184, 9197, 9212, 9217, 9235, 9245, 9255, 9281, 9293, 9306, 9333, 9346, 9361, 9366, 9384, 9394, 9404, 9430, 9442, 9455, 9482, 9495, 9510, 9515, 9574, 9582, 9594, 9606,



9632, 9646, 9660,	\m@make@mpninecolfootnotetext	\m@make@sixcolfootnotetext
9686, 9695, 9709	..... 9317, 9342	..... 8869, 8883
\m@make@h ... 8168, 8170,	\m@make@mppara@footgroup	\m@make@tencol@footgroup
8172, 8175, 8176, 8181	.. 9572, 9675, 9732	.. 9376, 9468, 9508
\m@make@k ... 8168, 8170,	\m@make@mpparafootnotetext	\m@make@tencolfootfmt
8175, 8178, 8179, 8181	..... 9672, 9705	..... 9467, 9503
\m@make@makecolfloats	\m@make@mpsevenscol@footgroup	\m@make@tencolfootnotetext
..... 9747, 9788	.. 8934, 9022, 9066	..... 9465, 9479
\m@make@makecolintro .	\m@make@mpsevenscolfootnotetext	\m@make@threecol@footgroup
..... 9762, 9781	..... 9019, 9044	.. 8340, 8426, 8465
\m@make@makecoltext ..	\m@make@mpsixcol@footgroup	\m@make@threecolfootfmt
..... 9751, 9790	.. 8785, 8873, 8917	..... 8425, 8460
\m@make@singlespace . 8082	\m@make@mpsixcolfootnotetext	\m@make@threecolfootnotetext
\m@make@eightcol@footgroup	..... 8870, 8895	..... 8423, 8437
.. 9078, 9170, 9210	\m@make@mpthreecol@footgroup	\m@make@twocol@footgroup
\m@make@eightcolfootfmt	.. 9381, 9469, 9513	.. 8191, 8283, 8323
..... 9169, 9205	\m@make@mpthreecolfootnotetext	\m@make@twocolfootfmt
\m@make@eightcolfootnotetext	..... 9466, 9491	..... 8282, 8318
..... 9167, 9181	\m@make@mpthreecol@footgroup	\m@make@twocolfootnotetext
\m@make@fivecol@footgroup	.. 8345, 8427, 8470	..... 8280, 8294
.. 8631, 8723, 8763	\m@make@mpthreecolfootnotetext	\m@doextrafeet ...
\m@make@fivecolfootfmt	..... 8424, 8448	..... 8111, 9787
..... 8722, 8758	\m@make@mpthreecolfootnotetext	\m@doextrafeetendmini
\m@make@fivecolfootnotetext	.. 8196, 8284, 8328	..... 8139, 8149
..... 8720, 8734	\m@make@mpthreecolfootnotetext	\m@doextrafeetmini 8130
\m@make@footstart .	..... 8281, 8306	\m@dosplits .. 8173,
... 8154, 8164,	\m@make@mpthreecol@footgroup	8177, 8178, 8179
8285, 8428, 8576,	.. 9227, 9319, 9359	\m@interparanoteglua
8725, 8874, 9023,	\m@make@mpthreecolfootfmt	..... 9533, 9535
9172, 9321, 9470	..... 9318, 9354	\m@mipn@skip
\m@make@fourcol@footgroup	\m@make@mpthreecolfootnotetext	.. 9525, 9532, 9534
.. 8482, 8574, 8614	..... 9316, 9330	\m@make@hboxofhboxes
\m@make@fourcolfootfmt	\m@make@para@footgroup	..... 9537,
..... 8573, 8609	.. 9567, 9674, 9725	9548, 9728, 9735
\m@make@fourcolfootnotetext	\m@make@para@footstart	\m@mfp@prepare 7993,
..... 8571, 8585	..... 9676, 9739	8009, 8025,
\m@make@mpthreecol@footgroup	\m@make@parafootfmt	8089, 8207, 8217,
.. 9083, 9171, 9215	..... 9673, 9719	8227, 8253, 8266,
\m@make@mpthreecolfootnotetext	\m@make@parafootnotetext	8278, 8305, 8317,
..... 9168, 9193	..... 9671, 9692	8355, 8364, 8373,
\m@make@mpthreecol@footgroup	\m@make@mpthreecol@footgroup	8398, 8410, 8421,
.. 8636, 8724, 8768	.. 8929, 9021, 9061	8447, 8459, 8498,
\m@make@mpthreecolfootnotetext	\m@make@mpthreecolfootfmt	8508, 8518, 8544,
..... 8721, 8746	..... 9020, 9056	8557, 8569, 8596,
\m@make@mpthreecol@footgroup	\m@make@mpthreecolfootnotetext	8608, 8647, 8657,
.. 8487, 8575, 8619	..... 9018, 9032	8667, 8693, 8706,
\m@make@mpthreecolfootnotetext	\m@make@mpthreecol@footgroup	8718, 8745, 8757,
..... 8572, 8597	.. 8780, 8872, 8912	8796, 8806, 8816,
\m@make@mpthreecol@footgroup	\m@make@mpthreecolfootfmt	8842, 8855, 8867,
.. 9232, 9320, 9364	..... 8871, 8907	8894, 8906, 8945,



8955, 8965, 8991,	13309, 14007,	14237, 14282,
9004, 9016, 9043,	14757, 14941,	14304, 14326,
9055, 9094, 9104,	14978, 15370,	14374, 14423,
9114, 9140, 9153,	15936, 16584,	14445, 14469,
9165, 9192, 9204,	17279, 17321,	14634, 14672,
9243, 9253, 9263,	17605, 18534,	14683, 14712,
9289, 9302, 9314,	18578, 18613, 18616	14830, 14858,
9341, 9353, 9392,	\m@th . 615, 7435, 7440,	14869, 14893,
9402, 9412, 9438,	7446, 10087,	15202, 15273,
9451, 9463, 9490,	10102, 12378,	15300, 15713,
9502, 9591, 9603,	17677, 17786,	15784, 15811,
9615, 9641, 9655,	18237, 18320,	16388, 16459, 16486
9669, 9704, 9718	18404, 18406, 18467	\maketitledetailsnewline
\m@old@footnotetext	\maincolumnwidth ..	..... 7189,
..... 8065, 8072	..... 2464,	7204, 7206, 7207,
\m@old@LTRfootnotetext	2473, 2474, 2475,	7208, 7209, 7210
..... 8066, 8073	2476, 2478, 2482,	\maketitledetailswidth
\m@old@mpfootnotetext	2497, 2501, 2526	7181, 7183, 7184,
..... 8068, 8075	\mainmatter 5337	7185, 7186, 7201
\m@old@mpLTRfootnotetext	\makeatletter 2977, 2996	\maketitlehookb .. 12967
..... 8069, 8076	\makebox 7434,	\maketitlehookc . 12969
\m@old@mpRTLfootnotetext	7439, 7508,	\maketitlenamefullwidth
..... 8070, 8077	7511, 7514, 7521,	... 7175, 7176, 7178
\m@old@RTLfootnotetext	7529, 7536, 7577,	\maketitlenamemaxwidth
..... 8067, 8074	7581, 13613, 13631	... 7173, 7174, 7178
\m@mopfootnote 9763, 9785	\makefooter	\maketitlenamewidth
\m@mopsidebar 9774, 9789	.. 7098, 7099, 7115	..... 7177,
\m@mremoveboxes ..	\MakeFramed 10615	7178, 7184, 7196
..... 9557,	\makelabel . 5039, 18266	\maketitlepage
9558, 9729, 9736	\maketag@@@ .....	..... 5220, 5262
\m@mrigidbalance ..	... 338, 7432, 7445	\maketitlepicturewidth
.... 8170, 8175,	\makethanksmark . 12922	..... 7179,
8327, 8332, 8469,	\maketitle 106,	7180, 7186, 7215
8474, 8618, 8623,	315, 322, 624,	\MakeUppercase .. 121,
8767, 8772, 8916,	652, 663, 687,	783, 810, 811, 826,
8921, 9065, 9070,	945, 990, 1012,	917, 1074, 1179,
9214, 9219, 9363,	1034, 1196, 1241,	1325, 1428, 5737,
9368, 9512, 9517	1263, 1285, 1445,	5811, 5913, 5998,
\m@msplitoff . 8178, 8180	1490, 1512, 1534,	6122, 6123, 6306,
\m@mungebox .. 9526,	1913, 1925, 2490,	7647, 7917, 9855,
9591, 9603,	5134, 5238, 5262,	14112, 14209,
9615, 9641, 9655,	5848, 5893, 6024,	14366, 14602,
9669, 9704, 9718	6069, 6130, 6158,	14823, 14824, 14997
\m@munvxh ... 9518, 9527	6169, 6193, 7080,	\marginline
\m@ne .. 306, 763, 772,	7194, 7671, 7695,	15519, 16086, 16718
2673, 2775, 4320,	7706, 7728, 7764,	\marginnote 4813
4364, 4408, 6083,	7792, 7803, 7827,	\marginpar ... 3892,
6241, 6278, 6613,	9871, 9895, 9906,	4594, 15520,
7619, 7628, 7888,	9928, 11602,	16087, 16719, 17872
9811, 9828, 11655,	11603, 12917,	



<code>\marginparpush</code>	<code>\mdf@frametitlealignment</code>	10648,	10654,
. 3825, 18632	. . . . . 12437	10664,	10669,
<code>\marginparsep</code> . 1903,	<code>\mdf@frametitlebelowskip@length</code>	10671,	10678,
2375, 3866,	. . . . . 12457	10686,	10699,
3869, 3873, 4019,	<code>\mdf@frametitlebox</code>	10707,	10712,
4026, 10939,	. . 12436, 12449,	10717,	10730,
10941, 10945,	12450, 12451,	10741, 10749, 10761	
10950, 10953,	12452, 12454, 12455	<code>\MessageBreak</code>	
10955, 18643, 18645	<code>\mdf@frametitlefont</code>	. . . . 144, 2293,	
<code>\marginparwidth</code> 1902,	. . . . . 12439	3167, 3181, 3193,	
2376, 3865, 3870,	<code>\mdf@frametitlefontcolor</code>	3207, 3412, 3423,	
3882, 3974, 4244,	. . . . . 12438	3430, 3442, 3448,	
4337, 4381, 4425,	<code>\mdf@horizontalmargin@equation</code>	3546, 3599, 3600,	
10939, 10941,	. . . . . 12414	3601, 3615, 3616,	
10953, 10955,	<code>\mdf@ignorevbadness</code>	3618, 3906, 3996,	
18551, 18595, 18645	. . . . . 12448	4223, 4224, 4292,	
<code>\markboth</code>	<code>\mdf@lrbox</code> . 12407, 12436	4893, 4894, 4895,	
120, 777, 5342, 7633	<code>\mdf@par@local</code> . . . 12430	4897, 4898, 4902,	
<code>\mathindent</code> 10088, 10104	<code>\mdf@patchamsthm</code> . 12408	4903, 4904, 4906,	
<code>\mathsurround</code> 6355	<code>\mdfframedtitleenv</code> 12435	4907, 13018,	
<code>\max@poem@no</code>	<code>\mdfframetitleboxdepth</code>	13019, 13312,	
. . 5537, 5646, 5647	. . . . . 12452	13331, 13393,	
<code>\maxdepth</code> 9791	<code>\mdfframetitleboxheight</code>	15274, 15486,	
<code>\maxdimen</code> 9587,	. . . . . 12451	15493, 15785,	
9599, 9611, 9637,	<code>\mdfframetitleboxtotalheight</code>	16053, 16060,	
9651, 9665, 9700,	. . . . . 12453	16460, 16685, 16692	
9714, 9971, 10015,	<code>\mdfframetitleboxwidth</code>	<code>\MH</code> . 7448, 7454, 7467,	
10016, 10017,	. . . . . 12450	7482, 7494, 7502,	
10047, 10048,	<code>\mdseries</code>	7549, 7565, 7567,	
10049, 10622,	309, 7074, 7076,	7571, 7572, 7574	
16998, 17037,	7078, 7079, 7166,	<code>\MHInternalSyntaxOff</code>	
17737, 17740,	7167, 7168, 7171, 7172	. . . . . 7589	
17745, 17749,	<code>\meaning</code> 2582,	<code>\MHInternalSyntaxOn</code>	
17753, 17757,	2585, 2741, 2967,	. . . . . 7429	
17761, 17765,	2994, 3009, 3027,	<code>\MidFrameCommand</code> . .	
17769, 17773, 17958	3035, 3044, 3108	10611, 10655, 10723	
<code>\mbox</code> . 10900, 11970, 16327	<code>\mediabutton</code>	<code>\minrowclearance</code> . .	
<code>\mc@col@status@write</code>	12831, 12900, 12901	. . 1668, 1702, 6452	
. 13339, 13360	<code>\medskip</code> 5444	<code>\mintagvsep</code> 7449	
<code>\mc@gridwarn</code> 13329	<code>\medskipamount</code> . . . 7955	<code>\missingfigure</code>	
<code>\mc@lastcol@status@write</code>	<code>\mem@makecol</code> . 9780, 9792	. . . . . 17916, 17946	
. 13345, 13368	<code>\memRTLleftskip</code> . . 12940	<code>\mix</code> 12486,	
<code>\mdf@footnotedistance@length</code>	<code>\memRTLraggedleft</code> 12945	12487, 12493,	
. 12464	<code>\memRTLraggedright</code> 12944	12494, 12503,	
<code>\mdf@footnoteinput</code> 12472	<code>\memRTLrightskip</code> . 12941	12510, 12511,	
<code>\mdf@footnoteoutput</code>	<code>\memRTLvleftskip</code> . 12942	12513, 12514,	
. 12461	<code>\memRTLvrightskip</code> 12943	12516, 12527,	
<code>\mdf@frametitleaboveskip@length</code>	<code>\message</code> . 1854, 1856,	12536, 12539,	
. 12456	10623, 10631,	12540, 12541,	
	10635, 10640,	12551, 12559,	



12560,	12562,	\mult@footnotetext	2579, 3731, 4301,
12563,	12568,	..... 147, 149,	4840, 4986, 5102,
12569,	12585,	13396, 13398, 13409	5129, 5278, 5302,
12587,	12589,	\mult@gfirstbox ...	5367, 7018, 7116
12594,	12633,	13336, 13350, 13356	\new@command . 2777, 2779
12640,	12641,	\mult@info 13310	\new@poem@width 5454,
12644,	12662,	\mult@LTRfootnotetext	5455, 5456, 5457,
12664,	12667,	..... 151, 153,	5542, 5584, 5587
12669,	12672,	13400, 13402, 13413	\newblock 2577, 5554,
12679,	12687,	\mult@rightbox	5661, 13503, 13505
12689,	12742,	.. 13303, 13343,	\newboolean
12747,	12758,	13344, 13346,	... 3739, 3743,
12759,	12762,	13365, 13366, 13369	3745, 3747, 3748,
12793,	12798,	\mult@RTLfootnotetext	3760, 3833, 3843,
12800,	12807,	..... 155, 157,	3910, 3933, 4228,
12808,	12809,	13404, 13406, 13417	4849, 5108, 5135
12827,	12832,	\multfootsep . 4636, 4654	\newbox 5509, 5510
12843,	12846,	\multicol@leftmargin	\newcommand .. 1974,
12853,	12854,	..... 13313, 13322	1980, 1983, 1984,
12862,	12864,	\multicol . 2265, 13381	1985, 1986, 1987,
12887, 12894, 12901		\multicolumn 12337, 16972	1988, 1989, 2356,
\mkern	17678,	\multiplefootnotemarker	2442, 2447, 2448,
	17679, 17787, 18468	.... 4635, 4651,	2449, 2451, 2452,
\mobile	2452	4742, 4743, 4771,	2453, 2455, 2456,
\Mobilefone	2412	4772, 4800, 4801,	2458, 2459, 2470,
\mobilesymbol		8088, 8090, 8091	2471, 2491, 2498,
..	2412, 7108, 7206	\multiply	2500, 2504, 2508,
\modernpoem	5699	1887, 1892, 2231,	2510, 2516, 2525,
\modernpoem@obeylines		9577, 9578, 9689,	2527, 2529, 2533,
.....	5439, 5699	9690, 13783, 13787	2537, 2542, 2554,
\modernpoem@par ...		\myrefname	2577, 2697, 2703,
..	5439, 5440, 5663		2715, 2721, 2733,
\morefloats .	4126, 4223	N	2736, 2738, 2745,
\moreLRE	1771,	\n@xt	1769,
	1873, 13883, 18143	1771, 1773, 1774,	1771, 1773, 1774,
\moreRLE	1773,	1871, 1873, 1875, 1876	1871, 1873, 1875, 1876
	1875, 13884, 18144	\na	13786, 13788,
\moveleft ..	4276, 13224	13790, 13799,	13790, 13799,
\moveright		13801, 13826, 13827	13801, 13826, 13827
	10190, 13322, 18701	\narrower	18397
\mp@footgroupv@r ...		\NAT@bibitem@first@sw	..... 13509
	8135, 8167, 8197,	.....	13509
	8346, 8488, 8637,	\nb 13786, 13789, 13790,	
	8786, 8935, 9084,	13799, 13800,	
	9233, 9382, 9573	13821, 13837, 13838	
\mpfootnoterule ...		\NC@find	17004
.....	10386, 10390	\NC@rewrite@X ...	17003
\MT	7468, 7474, 7476	\NeedsTeXFormat ...	
\mult@cols	13408	..... 1709, 1880,	
		1936, 2069, 2331,	



3476, 3486, 3490,	\newcount 1883, 1884, 8168	4196, 4197, 4198,
3495, 3529, 3567,	\newcounter	4199, 4200, 4201,
3590, 3591, 3592,	. . . 4523, 5645,	4202, 4203,
3624, 3625, 3626,	10113, 10262,	8087, 8160, 8166
3627, 3638, 3735,	17508, 17512, 17513	\newlength 2460, 2461,
3736, 3737, 3738,	\newdimen 5400,	2462, 2464, 2465,
3761, 3764, 3769,	5401, 5451, 8168	2466, 2468, 2469,
3800, 3827, 3828,	\newenvironment . . .	2552, 3861, 3862,
3829, 3830, 3845,	. . . 2021, 2032,	3863, 3917, 3934,
3864, 3900, 3902,	2041, 2050, 2555,	4713, 7173, 7175,
3903, 3908,	3879, 3894, 3897,	7177, 7179, 7181,
3909, 3911, 3912,	3935, 4056, 5634,	17540, 17542, 17543
3919, 3920, 3921,	5698, 18334,	\newline 2523, 4090
3929, 3932, 4014,	18343, 18352, 18361	\newlinechar 1830
4032, 4242, 4250,	\newfloat@setwithin	\newlinetospace 4087,
4260, 4263, 4271,	. . . . . 13536,	4107, 4108, 4109,
4440, 4441, 4442,	13542, 13550, 13552	5343, 5344, 5345
4443, 4444, 4445,	\newfloat@Error . 13555	\newlistentry
4446, 4447, 4448,	\newfloat@setwithin	. . . . . 17505, 17572
4449, 4450, 4451,	. . . . . 13522	\newpage . . . 677, 699,
4452, 4453, 4462,	\newif 1749, 1751, 1752,	1026, 1046, 1277,
4470, 4524, 4543,	1753, 1754, 1755,	1297, 1526, 1546,
4562, 4584, 4590,	1756, 1757, 1759,	3593, 3595, 3599,
4615, 4616, 4650,	1760, 1859, 1860,	3604, 3605, 3608,
4803, 4804, 4805,	1861, 1862, 2333,	3612, 3614, 3617,
4813, 4822, 4831,	2362, 2541, 2983,	5239, 5276, 5277,
4844, 4845, 4968,	5323, 5511, 7021,	6183, 6205, 7015,
5021, 5101, 5114,	7023, 7025, 7027,	7720, 7740, 7817,
5148, 5149, 5150,	7092, 7119, 7121,	7839, 9920, 9940,
5151, 5152, 5153,	7123, 7125, 7188,	12344, 12931,
5154, 5155, 5206,	10260, 10268,	14318, 14338,
5220, 5396, 5403,	12406, 17825, 17826	14459, 14481,
5412, 5416, 5426,	\newinsert . . . 4129,	14702, 14724,
5445, 5649, 5650,	4130, 4131, 4132,	14883, 14905,
7189, 7383, 7384,	4133, 4134, 4135,	15289, 15800, 16475
10202, 10205,	4136, 4137, 4138,	\newpoem@tabcr
10264, 10269,	4139, 4140, 4141,	. . . 5662, 5671, 5672
10271, 10277,	4142, 4143, 4144,	\newsavebox . . 2020,
10293, 10317,	4145, 4146, 4147,	3878, 3913, 3914
10329, 10383,	4148, 4149, 4150,	\newskip . 2058, 2059,
10477, 10479,	4151, 4152, 4153,	2060, 2780, 9532
10963, 11981,	4154, 4155, 4156,	\newthought 5042
13373, 13376,	4157, 4158, 4159,	\newtoks 2071,
13379, 15145,	4160, 4161, 4162,	2593, 2594, 5452,
15146, 15656,	4178, 4179, 4180,	10270, 13879, 18139
15657, 16331,	4181, 4182, 4183,	\next@tpage
16332, 17827,	4184, 4185, 4186,	. . . 15219, 15251,
17829, 18134,	4187, 4188, 4189,	15261, 15264,
18135, 18378,	4190, 4191, 4192,	15332, 15730,
18379, 18520, 18521	4193, 4194, 4195,	15762, 15772,



15775, 15843,	14980, 14984,	4901, 4904, 5593,
16405, 16437,	14992, 15385,	5596, 5599, 5651,
16447, 16450, 16518	15386, 15420,	6807, 6972, 7325,
<code>\ninecolumnfootnotes</code>	15421, 15423,	7377, 10115,
..... 9220	15448, 15896,	10116, 10121,
<code>\ninecolumnfootstyle</code>	15897, 15923,	10122, 10174,
..... 9315	15924, 15953,	11423, 11433,
<code>\nl</code> 184	15954, 15956,	11441, 11442,
<code>\no@bib@break</code>	16324, 16571,	11443, 11445,
15472, 16039, 16671	16572, 16601,	11471, 11479,
<code>\noalign</code>	16602, 16604,	11480, 11481,
1582,	17139, 17156,	11483, 11512,
2278, 5565,	17163, 17303,	11513, 11514,
8178, 12344,	17306, 17334,	11516, 11543,
12345, 12346,	17335, 17357,	11544, 11545,
15614, 15639,	17358, 17374,	11547, 11574,
15641, 16181,	17375, 17391,	11575, 11576,
16206, 16208,	17392, 17408,	11578, 12373,
16813, 16838, 16840	17409, 17425,	12400, 12403,
<code>\nobibliography</code> .. 4520	17426, 17442,	12760, 13035,
<code>\nobreak</code> . 14, 16, 215,	17443, 17460,	15469, 15470,
217, 729, 747,	17461, 17479,	16036, 16037,
774, 778, 865,	17480, 17499,	16668, 16669,
866, 880, 906,	17500, 17534,	16866, 16939,
1092, 1093, 1107,	17535, 17570,	16977, 16978,
1123, 1346, 1347,	17670, 17675,	17051, 17058,
1361, 1388, 2329,	17683, 17784,	17515, 17809,
3655, 4643, 4980,	17785, 17789,	17810, 17811,
4981, 5465, 5467,	18465, 18466, 18470	17812, 17813,
5473, 5758, 5759,	<code>\nobreakspace</code>	17814, 17815,
5773, 5797, 5934,	773	17816, 17817,
5935, 5949, 5973,	<code>\node</code> 17870, 17900, 17906	18059, 18074,
6086, 6094, 6106,	<code>\noexpand</code>	18102, 18108,
6235, 6251, 6281,	605,	18121, 18327,
6286, 6294, 6503,	2093, 2094, 2108,	18328, 18429, 18666
7602, 7615, 7630,	2109, 2137, 2140,	<code>\NoHyper</code>
7634, 7642, 7868,	2143, 2287, 2589,	535
7891, 7896, 7905,	2598, 2602, 2622,	<code>\noindent</code> .. 167, 169,
7948, 7949, 9805,	2626, 2693, 2740,	667, 841, 850,
9821, 9830, 9834,	2741, 2743, 2962,	1147, 1398, 1407,
9842, 11854,	2963, 2964, 2966,	1917, 3888, 4075,
12463, 13273,	2967, 2992, 2994,	4665, 4682, 4699,
13284, 13285,	3012, 3013, 3014,	4816, 4825, 4834,
13296, 13297,	3017, 3024, 3025,	5044, 5064, 5225,
14010, 14012,	3026, 3028, 3034,	5227, 5229, 5420,
14151, 14152,	3035, 3037, 3043,	5807, 5994, 6173,
14166, 14190,	3044, 3046, 3105,	6368, 7710, 7807,
14522, 14523,	3107, 3108, 3260,	7951, 9589, 9601,
14537, 14561,	3421, 3422, 3424,	9613, 9639, 9653,
14751, 14767,	3560, 3665, 3699,	9667, 9702, 9716,
14935, 14951,	3700, 4492, 4494,	9731, 9738, 9910,
	4502, 4892, 4895,	



10816,	11968,	1988, 1989, 1991,	646, 700, 839,
12995,	14127,	1992, 1993, 1994,	842, 957, 986,
14136,	14576,	1995, 1996, 1997,	1047, 1145, 1148,
14585,	14650,	3827, 4440, 4530,	1208, 1237, 1298,
14693,	14873,	4549, 4568, 4634,	1396, 1399, 1457,
15182,	15219,	4866, 4873, 4880,	1486, 1547, 4980,
15332,	15448,	5072, 6082, 6102,	5554, 5805, 5808,
15561,	15566,	6172, 6175, 6277,	5860, 5889, 5992,
15693,	15730,	6292, 7435, 7440,	5995, 6036, 6065,
15843,	16128,	7446, 7627, 7640,	6138, 6152, 6206,
16133,	16239,	7709, 7712, 7806,	7677, 7691, 7741,
16268,	16274,	7809, 7887, 7903,	7772, 7786, 7840,
16280,	16286,	8099, 8103, 8105,	9877, 9891, 9941,
16292,	16298,	9827, 9840, 9909,	13274, 13284,
16304,	16310,	9912, 11840,	13285, 13296,
16316,	16325,	12439, 12921,	13297, 14125,
16368,	16405,	13298, 13615,	14128, 14249,
16518,	16760,	13628, 14308,	14278, 14339,
16765,	17848,	14310, 14449,	14388, 14417,
17851,	17853,	14451, 14644,	14482, 14574,
17855,	17858,	14651, 14687,	14577, 14652,
17862,	17864,	14694, 14872,	14666, 14725,
17920, 17982, 18396		14875, 14977,	14838, 14852,
<code>\nointerlineskip</code> ..		14990, 17560,	14906, 15228,
... 7242, 7263,		17565, 17566,	15250, 15261,
10594, 12446,		17790, 18471, 18740	15332, 15340,
13320, 18640, 18648		<code>\normalfootnotes</code> ..	15420, 15739,
<code>\nopagebreak</code> .....		..... 8071, 8078	15761, 15772,
. 5519, 5529, 12346		<code>\normallineskip</code> ...	15843, 15851,
<code>\nopagenumbers</code> ... 2542		.... 198, 2400,	15953, 16414,
<code>\normalbaselines</code> . 18237		12426, 14079, 14093	16436, 16447,
<code>\normalbaselineskip</code>		<code>\normalparindent</code> 41,	16518, 16526,
.... 313, 3786,		54, 69, 250, 263, 277	16601, 16891,
12427, 14080, 14094		<code>\normalsfcodes</code>	16897, 16919,
<code>\normalcolor</code> .....		..... 10183, 18694	17303, 17334,
... 2239, 6464,		<code>\normalsize</code> 309, 3779,	17357, 17374,
7563, 8135, 8145,		3780, 3787, 4348,	17391, 17408,
9770, 10550,		4392, 4436, 4530,	17425, 17442,
10603, 11840,		4549, 4568, 4943,	17460, 17479,
12465, 13298,		7076, 7168, 10183,	17499, 17534,
17790, 18036,		13053, 14733,	17670, 17784, 18465
18471, 18502,		15189, 15196,	<code>\number</code>
18705, 18715, 18740		15700, 15707,	8, 135,
<code>\normalfont</code> 25,		16375, 16382,	209, 2978, 5537,
37, 50, 65, 82,		18562, 18606, 18693	5638, 7249, 7270,
246, 259, 273,		<code>\NOT</code> .. 392, 516, 3975,	7315, 7321, 7324,
291, 666, 669,		3976, 4015, 4035,	7367, 7373, 7376,
771, 1016, 1018,		4039, 4719, 4748,	7486, 7489, 13384
1269, 1516, 1518,		4777, 4859, 4863	<code>\numberline</code>
1916, 1919, 1983,		<code>\null</code> .....	... 4068, 12023,
		..... 632,	12028, 13047,



17233, 17580,
 17798, 17801, 17804
 \numberline@tempa 17800
 \numberwithin 331
 \numexpr 3672
 \nxLcs . . 1999, 2000, 2001

O
 \obeylines . . 5555, 5663
 \ocgbase . . . 12814, 12816
 \ocgxii@insert@OC .
 . . 12749, 12856,
 12857, 12858, 12868
 \oddpaper 1884,
 1888, 1889, 1890,
 1893, 1894, 1895
 \oddsidemargin 1906,
 2371, 7414, 18682
 \on@line 18328
 \on@stripcols@break 6891
 \onecolumn
 . 815, 831, 1079,
 1330, 2409, 5742,
 5918, 6127, 14117,
 14371, 14828, 17268
 \opening . . . 7936, 11842
 \OptArg 2000, 2066
 \OptArg@i . . . 2066, 2067
 \OptArg@ii . . 2066, 2068
 \OptArgs 2065
 \optparams . . . 3955,
 4803, 4804, 4805,
 4807, 4808, 4809
 \OR 383, 386,
 401, 406, 507,
 510, 3949, 4015,
 4035, 4039, 4291
 \or 1618, 1619,
 1620, 1622, 1623,
 1643, 1644, 1645,
 1649, 1650, 1651,
 1652, 1653, 1657,
 1658, 1686, 1687,
 1688, 1690, 1691,
 1781, 1787, 1793,
 1795, 1797, 1799,
 1805, 1811, 1817,
 6435, 6436, 6437,
 6439, 6440, 7507,
 7510, 7513, 7528,

7551, 7552, 7553,
 7554, 11267,
 11271, 17547,
 17550, 17553,
 17723, 17834,
 17841, 18063, 18112
 \orig@footnotetext
 . . 148, 13397, 13412
 \orig@LTRfootnotetext
 . . 152, 13401, 13416
 \orig@RTLfootnotetext
 . . 156, 13405, 13420
 \origin@RaggedLeft
 . 14098, 14100, 14101
 \origin@RaggedRight
 . 14099, 14100, 14101
 \originalHbadness .
 17896, 17914
 \othermargin 1089
 \outer@nobreak 2257,
 4342, 4386,
 4430, 18556, 18600
 \outputpenalty
 . . . 2304, 2305,
 6781, 6782, 6790,
 6791, 6800, 6801,
 6945, 6946, 6954,
 6955, 6964, 6965
 \overfullrule
 . 2360, 2361, 13993
 \OVP@calc 13610

P
 \p@ . . . 27, 29, 30, 31,
 95, 99, 225, 229,
 237, 239, 240,
 241, 313, 445,
 633, 722, 739,
 751, 753, 755,
 757, 808, 813,
 824, 828, 857,
 873, 891, 898,
 933, 939, 958,
 1072, 1076, 1083,
 1099, 1116, 1134,
 1169, 1171, 1174,
 1176, 1209, 1323,
 1327, 1338, 1354,
 1372, 1380, 1412,
 1418, 1458, 2399,

2400, 2404, 2405,
 3781, 3782, 3783,
 3790, 3791, 3792,
 3794, 3795, 4991,
 4992, 4993, 4995,
 4996, 5062, 5735,
 5739, 5750, 5766,
 5782, 5789, 5827,
 5833, 5861, 5911,
 5915, 5926, 5942,
 5958, 5965, 5980,
 5986, 6037, 6081,
 6087, 6092, 6096,
 6098, 6101, 6104,
 6108, 6110, 6120,
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 6243, 6256, 6258,
 6260, 6262, 6276,
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 7665, 7667, 7669,
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 7886, 7892, 7897,
 7901, 7906, 7961,
 7963, 7965, 7967,
 7974, 7975, 9798,
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 9835, 9838, 9843,
 9846, 9848, 9850,
 9852, 9878, 9979,
 10349, 10351,
 10352, 10353,
 10354, 10355,
 10387, 10830,
 10837, 10876,
 10883, 10928,
 11838, 11856,
 11858, 11860,
 11862, 12973,
 13266, 13278,
 13290, 13422,
 13424, 13425,
 13426, 14110,
 14114, 14143,
 14159, 14175,
 14182, 14197,



14203,	14250,	4473, 4475, 4845,	12345, 17966, 17975
14364,	14368,	11980,	12119,
14389,	14514,	12122,	12125,
14530,	14546,	12128,	12131,
14553,	14618,	12134,	12137,
14624,	14653,	12140,	12144,
14745,	14759,	12147,	12150,
14775,	14777,	12153,	12156,
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14821,	14826,	12165,	12168,
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15190,	15194,	12207,	12210,
15197,	15201,	12213,	12216,
15372,	15407,	12219,	12222,
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15940,	16074,	12255,	12258,
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16380,	16383,	12285,	12288,
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16709,	16711,	12303,	12306,
16714,	17266,	12309,	12312,
17541,	17594,	12315,	12318,
17778,	18459, 18750	12321,	12324,
\p@enumiv	83, 292, 791,	13389, 17167, 17519	
	925, 1187, 1436,	\PackageInfo	.. 2784,
	2569, 5819, 6006,		3297, 3399,
	6314, 7655, 7925,		3546, 3738, 17820
	9863, 14217,	\PackageWarning	134,
	14610, 14803,		2783, 3400, 3429,
	15005, 15476,		5640, 7030, 7128,
	16043, 16675, 17205		10117, 10728,
\p@subfigure 16950		11882, 13330,
\p@subtable 16951		13383, 13516, 17510
\PackageError	.. 140,	\PackageWarningNoLine	
	402, 407, 446,	 3596
	2659, 2782, 3609,	\page@sofar	. 160, 13302
	3736, 3772, 3774,	\pagebreak
			12345, 17966, 17975
			\pagedepth 17960
			\pagefillstretch . 17972
			\pagefilstretch .. 17971
			\pagefootnoterule .
		 10385, 10393
			\pagegoal 2300,
			2310, 10622,
			10624, 10629,
			10636, 10677,
			10679, 13236, 17963
			\pageinwindow 6620
			\pagenumbering 2407, 5327
			\pageref 2546, 2548
			\pageshrink .. 10638,
			10642, 10658,
			10684, 10696, 17966
			\pagestretch .. 10637,
			10658, 10696, 17970
			\pagestyle ... 1882,
			2398, 2406, 2549,
			4095, 5328, 7114
			\pagetotal ... 10624,
			10629, 10635,
			12930, 13234,
			13237, 13248,
			17958, 17963, 18021
			\paperheight .. 2335,
			2338, 2341, 2344,
			2347, 2350,
			2353, 2354, 7391
			\paperwidth .. 2336,
			2339, 2342, 2345,
			2348, 2351, 2354,
			2355, 7391, 7399
			\par 5, 15, 45, 58,
			73, 103, 104, 105,
			106, 168, 170, 206,
			216, 233, 234,
			235, 254, 267,
			281, 312, 315, 616,
			635, 641, 643,
			644, 663, 706,
			712, 716, 728,
			747, 774, 777,
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			879, 906, 966,
			976, 983, 984,
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			1061, 1093, 1107,



1122, 1148, 1162,
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1568, 1571, 1913,
2255, 2264, 3969,
3977, 4036, 4037,
4040, 4041, 4066,
4075, 4076, 4245,
4261, 4982, 5097,
5098, 5099, 5100,
5225, 5227, 5229,
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5772, 5797, 5808,
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5887, 5935, 5948,
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6055, 6062, 6063,
6086, 6094, 6106,
6141, 6147, 6149,
6150, 6169, 6212,
6218, 6222, 6234,
6251, 6281, 6286,
6294, 6370, 6503,
6875, 7235, 7256,
7602, 7614, 7630,
7633, 7641, 7680,
7686, 7688, 7689,
7706, 7745, 7751,
7755, 7775, 7781,
7783, 7784, 7803,
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7867, 7891, 7896,
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8464, 8526, 8529,
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8824, 8827, 8830,
8911, 8973, 8976,

8979, 9060, 9122,
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9271, 9274, 9277,
9358, 9420, 9423,
9426, 9507, 9731,
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10546, 11844,
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13299, 13430,
13442, 13503,
13750, 13919,
13920, 13921,
13922, 14002,
14003, 14010,
14011, 14071,
14085, 14128,
14138, 14152,
14165, 14190,
14258, 14268,
14275, 14276,
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14349, 14353,
14397, 14407,
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14505, 14508,
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14587, 14650,
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14663, 14664,
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14847, 14849,

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14984, 14992,
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15231, 15234,
15236, 15241,
15244, 15246,
15248, 15254,
15262, 15268,
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15849, 15855,
15858, 15860,
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16123, 16127,
16128, 16132,
16133, 16137,
16238, 16268,
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16286, 16292,
16298, 16304,
16310, 16316,
16318, 16321,
16324, 16328,
16367, 16412,
16417, 16420,
16422, 16427,
16430, 16432,
16434, 16440,
16448, 16454,
16524, 16530,
16533, 16535,



16541,	16544,	13455,	13456,	17295,	17326,
16546,	16549,	13457,	13458,	17349,	17366,
16552,	16573,	13459,	13460,	17383,	17400,
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16764,	16765,	13466,	13467,	17491,	17526,
16769,	16982,	13468,	13470,	17663,	17665,
17571,	17577,	13471,	13472,	17779,	18373, 18460
17689,	17791,	13473,	13475,	<code>\parindent</code>	12, 41, 54,
17848,	17849,	13476,	13477,	69, 99, 213, 229,	
17855,	17856,	13478,	13479,	250, 263, 277,	
17858,	17866,	13480,	13482,	667, 725, 742,	
17919,	18179,	13483,	13484,	769, 812, 827,	
18180,	18181,	13485,	13486,	863, 876, 901,	
18182,	18335,	13487,	13489,	952, 969, 1075,	
18344,	18353,	13490,	13491,	1090, 1102, 1119,	
18362,	18433,	13492,	13493,	1156, 1203, 1220,	
18472, 18729, 18750		15622,	16189,	1266, 1326, 1344,	
<code>\par@updaterelative</code>		16268,	16274,	1357, 1383, 1452,	
.....	15222,	16280,	16286,	1469, 1917, 2402,	
15334,	15733,	16292,	16298,	3803, 4456, 4974,	
15845, 16408, 16520		16304,	16310,	5016, 5024, 5089,	
<code>\paragraph</code>	.....	16316, 16327, 16821		5242, 5548, 5658,	
.....	4878	<code>\parfillskip</code>	....	5738, 5756, 5769,	
<code>\paragraphfootnotes</code>		214, 726, 743,		5792, 5855, 5872,	
.....	9560	861, 877, 902,		5914, 5932, 5945,	
<code>\paragraphfootstyle</code>		1087, 1103, 1120,		5968, 6031, 6048,	
.....	9670	1342, 1358, 1384,		6082, 6102, 6124,	
<code>\parbox</code>	4973, 5549, 5754,		6173, 6231, 6246,	
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2497, 7102, 7954,		5946, 5969, 6232,		6417, 6508, 7597,	
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11068,	11070,	9722,	9802,	8376, 8521, 8670,	
11074,	11076,	9817,	12426,	8819, 8968, 9117,	
11107,	11108,	13267,	13279,	9266, 9415, 9617,	
11111, 11112, 11169,		13291,	14025,	9621, 9625, 9721,	
11170,	11173,	14038,	14051,	9744, 9801, 9816,	
11174,	11198,	14062,	14079,	9827, 9839, 9910,	
11200,	11204,	14147,	14163,	10815,	12422,
11206,	12382,	14186,	14518,	13268,	13280,
12983,	13012,	14534,	14557,	13292,	13497,
13428,	13430,	14748,	14763,	14026,	14039,
13431,	13433,	14932,	14947,	14052,	14063,
13435,	13436,	15381,	15417,	14074,	14113,
13438,	13440,	15892,	15919,	14149,	14162,
13442,	13443,	15950,	16567,	14185,	14244,
13445,	13447,	16598,	17118,	14261,	14367,
13448,	13449,	17147,	17177,	14383,	14400,
13450,	13451,				
13452,	13454,				



14520,	14533,	4457, 5017, 5025,	\pgf@baseline	13711
14556,	14650,	5088, 5243, 5547,	\pgf@insertlayers	13733
14693,	14730,	5579, 5657, 5692,	\pgf@nodecallback	13689
14747,	14762,	5739, 5915, 6125,	\pgf@oldpicture . .	13696
14825,	14873,	6781, 6790, 6800,	\pgf@picmaxx . .	13690,
14931,	14946,	6945, 6954, 6964,	13702, 13704, 13722	
14977,	14989,	7942, 7945, 7947,	\pgf@picmaxy	13692, 13706
15182,	15380,	7949, 11848,	\pgf@picminx	
15416,	15693,	11851, 11853,	13691, 13705, 13715	
15891,	15918,	12422, 12431,	\pgf@picminy	13693, 13707
15949,	16239,	13756, 14074,	\pgf@picture	13696
16368,	16566,	14088, 14114,	\pgf@picture@serial@count	
16597,	17128,	14368, 14730,	. . . . .	13687, 13688
17165,	17265,	14826, 16261,	\pgf@process	
17296,	17327,	17266, 17599,	. . . . .	13711, 13714, 13721
17350,	17367,	17957, 17961, 18270	\pgf@relevantforpicturesizefalse	
17384,	17401,	\part . . . . .	. . . . .	13710
17418,	17435,	\partname	\pgf@relevantforpicturesizetrue	
17453,	17472,	. . . . .	. . . . .	13694
17492,	17527,	. . . . .	\pgf@remember@layerlist@globally	
17599,	17660,	. . . . .	. . . . .	13728
17661,	17780,	\PassOptionsToClass	\pgf@resetpathsizes	
18271,	18373,	. . . . .	. . . . .	13695
18398, 18399, 18461		. . . . .	\pgf@restore@layerlist@from@global	
\parsep . .	1159, 3795,	5281, 5282, 5283,	. . . . .	13732
	3796, 4996, 4997,	5284, 5304, 5305,	\pgf@shift@baseline	
	5035, 5062, 18270	5306, 5307, 5308	. . . . .	13712
\parshape	6367,	\PassOptionsToPackage	. . . . .	13714
	10750,	. . . . .	\pgf@trimleft	13714
	10758,	\pdfstringdefDisableCommands	\pgf@trimleft@final	
	11969,	. . . . .	. . . . .	13716, 13717, 13719
	13578,	\penalty	\pgf@trimright . . .	13721
	13598,	. . . . .	\pgf@trimright@final	
	13919,	1212, 1461, 2297,	13723, 13724, 13726	
	14649,	2301, 5469, 5798,	\pgf@x	13715,
	15169,	5864, 5974, 6040,	13719, 13722, 13726	
	15680,	6252, 6355, 6361,	\pgf@y	13712
	16229,	6779, 6788, 6798,	\pgfpic	13742
	16236,	6943, 6952, 6962,	\pgfpicture	13683
	16355,	9531, 9619, 9623,	\pgfpictureid	
	18179,	9627, 9724, 9822,	. . . . .	13688, 13699
	18181,	10659, 14191,	\pgfpicturetrue .	13686
	18300,	14253, 14392,	\pgfsys@discardpath	
	18339,	14562, 14768,	. . . . .	13735
	18340,	14952, 15390,	\pgfsys@endpicture	13738
	18341,	15396, 15427,	\pgfsys@endscope .	13737
	18346,	15901, 15903,	\pgfsys@markposition	
	18348,	15928, 15930,	. . . . .	13699
	18349,	15960, 15962,	\pgfsys@typesetpicturebox	
	18350,	16576, 16578,	. . . . .	13742
	18355,	16608, 16610,	\pgfutil@gobble .	13689
	18357,	17587, 17695, 17962		
	18358,			
	18359,			
	18364,			
	18366, 18367, 18368			
\parskip	99,			
	177, 229, 813,			
	828, 1076, 1327,			
	1910, 2403, 3804,			



<code>\pgfutil@ifnextchar</code>	5556, 5665, 5667,	1829, 1872, 1873,
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<code>\phantom</code> ..		2081, 2087, 2093,
<code>\phantomsection</code> ..	5453, 5523, 5526	2102, 2108, 2839,
<code>\phone</code> ..	5456,	2840, 3651, 4068,
<code>\phonesymbol</code> ..	5457, 5461, 5538,	10174, 10560,
..	5540, 5543, 5584	10574, 12023,
<code>\photo</code> ..		12028, 12366,
<code>\picbox</code> ..		13047, 16972,
<code>\picinwindow</code> ..		16973, 16977,
<code>\picwd</code> ..	5450, 5554, 5661	16985, 17233,
		17577, 18128, 18666
<code>\plainauthor</code> ..	5441, 5470	<code>\protected</code> ..
		1872,
4107, 5147, 5149,		1874, 2782, 2783,
5188, 5189, 5192		2784, 2787, 2795,
<code>\plainfootnotes</code> ..	5443, 5531, 5566	2797, 2803, 2989,
<code>\plainpublisher</code> ..		3005, 3021, 3044,
..	5442, 5464, 5465	3046, 3096, 3124,
<code>\plaintitle</code> ..		3137, 13885,
		13894, 13903,
4108, 4109, 5147,		13911, 18145,
5148, 5171, 5172,		18154, 18163, 18171
5175, 5343, 5345		<code>\protected@edef</code> .
<code>\plitemsep</code> ..		42,
<code>\plparsep</code> ..	7438, 7443, 7446	55, 70, 251,
<code>\plpartopsep</code> ..		264, 278, 4666,
<code>\pLRE</code> 1770, 1771, 1872, 1873		4683, 4700, 7986,
<code>\pltopsep</code> ..	13954,	8002, 8018, 8031,
<code>\poem@finish</code> ..	13955, 18737, 18738	8044, 8057, 8202,
..		8212, 8222, 8248,
5588, 5637, 5644		8261, 8273, 8300,
<code>\poem@line</code> ..		8313, 8351, 8360,
..		8369, 8394, 8406,
5507, 5513, 5564		8417, 8443, 8455,
<code>\poem@linebegin</code> ..		8493, 8503, 8513,
.....	1615, 1625, 1673,	8539, 8552, 8564,
<code>\poem@lineend</code> 5465, 5528	1705, 6427, 6455	8591, 8604, 8642,
<code>\poem@lineparsebegin</code>		8652, 8662, 8688,
..	17948	8701, 8713, 8740,
5476, 5533, 5560		8753, 8791, 8801,
<code>\poem@lineparseend</code>		8811, 8837, 8850,
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5502, 5514, 5571	7359, 12973, 13327	8940, 8950, 8960,
<code>\poem@lineversesep</code>		8986, 8999, 9011,
.....		9038, 9051, 9089,
5466, 5525		9099, 9109, 9135,
<code>\poem@needrun</code> .		9148, 9160, 9187,
5458,		9200, 9238, 9248,
5585, 5639, 5641		9258, 9284, 9297,
<code>\poem@obeylines</code> 5559,		9309, 9336, 9349,
5635, 5675, 5699		9387, 9397, 9407,
<code>\poem@prop</code> ..	5112, 5144, 5285,	
<code>\poem@startedfalse</code>	5309, 7032, 7130	
..		
5557, 5673, 5679		
<code>\poem@startedtrue</code> .		
.....	1771, 1772, 1773,	
5515, 5516,		
<code>\poem@verse</code> ..		
<code>\poem@width</code> ..	5456,	
<code>\poem@write@aux</code> ..	5587, 5638, 5650	
<code>\poemblocksep</code> ..		
..	5450, 5554, 5661	
<code>\poemcolsepkip</code> ..		
.....	5441, 5470	
<code>\poemextrabaselineskip</code>		
..	5443, 5531, 5566	
<code>\poemmarginskip</code> ..		
..	5442, 5464, 5465	
<code>\poemskip</code> 5444, 5544, 5575		
<code>\postbibhook</code> ..	13060	
<code>\postdisplaypenalty</code>		
.....	10085, 10099	
<code>\postmath</code> ..	6361	
<code>\PotEndMark</code> ..		
..	7438, 7443, 7446	
<code>\predisplaydirection</code>		
.....	13954,	
<code>\predisplaypenalty</code>		
.....	10084, 10098	
<code>\premath</code> ..	6357	
<code>\preparefootins</code> ..		
.....	10771, 10791	
<code>\prepnext@tok</code> ..		
.....	1615, 1625, 1673,	
<code>\presetkeys</code> ..	17948	
<code>\presig@skip</code> ..	16327	
<code>\prevdepth</code> ..	3969,	
.....	3977, 7305,	
<code>\pRLE</code> 1772, 1773, 1874, 1875	7359, 12973, 13327	
<code>\process@cols</code> .	13303,	
.....	13336, 13350, 13356	
<code>\ProcessOptions</code> 2365,		
.....	3762, 4853,	
<code>\ProcessOptionsX</code> ..	1821	
<code>\protect</code> 403, 612, 1770,		
.....	1771, 1772, 1773,	



9433, 9446, 9458, 9485, 9498, 9585, 9597, 9609, 9635, 9649, 9663, 9698, 9712, 10436, 10452, 10467, 10494, 10507, 10520	10765, 10818, 10936, 10958, 11259, 11837, 11841, 11863, 11974, 12045, 12327, 12405, 12905, 13061, 13263, 13301, 13427, 13494, 13521, 13559, 13580, 13600, 13634, 13682, 13746, 13959, 14000, 14016, 14102, 14356, 14632, 14813, 15015, 15144, 15655, 16222, 16330, 16854, 16861, 16921, 16948, 16953, 16988, 17063, 17093, 17112, 17141, 17190, 17270, 17578, 17824, 17953, 18029, 18133, 18884	13987, 13988, 13989 \pst@hbox 13968, 13972, 13973, 13974, 13990, 13992, 13993, 13995 \pst@ifstar 13960 \pst@killglue 13964 \pst@picture 13960 \pst@shift 13965, 13987, 13995 \pst@tempa . 13977, 13979 \publisher . . 5205, 5206 \publishers 15319, 15830, 16505 \put 6519, 6520, 6521, 6522, 6523, 6524, 6529, 6530, 6531, 6532, 6533, 6534, 6542, 6543, 6544, 6545, 6546, 6547, 6552, 6553, 6554, 6555, 6556, 6557, 6565, 6566, 6567, 6568, 6569, 6570, 6575, 6576, 6577, 6578, 6579, 6580, 6588, 6589, 6590, 6591, 6592, 6593, 6598, 6599, 6600, 6601, 6602, 6603, 7391, 7405, 7423, 13613, 13615, 13628, 13631
\protected@write 3631, 3642 \protected@xdef 4727, 4756, 4785, 5168, 5185, 5201, 5212, 10406, 10415, 10559, 10564, 10573, 10579, 11442, 11480, 11513, 11544, 11575, 11638 \providecommand 2410, 2411, 2412, 2413, 2414, 2415, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2581, 4628, 4635, 4636, 5042, 7093, 7098, 10292 \ProvidesClass 2332, 5279, 5303 \ProvidesExplPackage 12480 \ProvidesFile . 1, 127, 161, 202, 328, 339, 344, 346, 563, 622, 816, 1064, 1315, 1574, 5727, 5903, 6079, 6112, 6324, 6379, 6413, 6415, 6418, 6456, 6499, 6514, 6610, 6648, 7221, 7386, 7389, 7428, 7590, 7762, 7935, 7968, 9794, 9969, 9998, 10010, 10079, 10109, 10118, 10123, 10258, 10588,	\ProvidesPackage 1712, 1881, 1937, 2070, 2262, 2580, 3732, 4302, 4841, 4987, 5103, 5130, 5368, 7019, 7117 \prune 13766, 13804, 13808, 13813, 13817, 13829, 13840, 13867 \prw@mkboth . . 17239, 17244, 17256, 17261 \psgrid 13963 \pspicture 13960 \psset 13998 \pst@dima 13975 \pst@dimb 13973, 13978, 13980, 13985, 13988 \pst@dimc 13991 \pst@dimd 13972, 13978, 13979, 13980, 13981, 13985, 13986,	Q \Q 4485, 4507 \q 12633, 12687 \qauthor 14001 \qqquad 4918, 4925, 4932, 4939, 4946, 4981, 14003 \quad 4107, 4108, 4109, 5343, 5344, 5345, 5450, 18238, 18247 \quote 2459 \quotecolour 2421, 7037, 7135 \quotefont . . . 2430, 2438, 7077, 7170



<code>\quotestyle</code>	<code>\RaggedLeftParindent</code>	7457, 7460, 7576,
.. 2438, 7090, 7219	..... 14039	11081, 11083,
<code>\quotewidth</code> .. 2460,	<code>\RaggedLeftRightskip</code>	11087, 11089,
2472, 7090, 7219	..... 14036	11116, 11117, 11120,
R	<code>\raggedpart</code>	11121, 11178, 11179,
<code>\R@@page</code>	<code>\RaggedRight</code> .. 14043,	11182, 11183,
15021, 15030,	14092, 14099,	11211, 11213,
15032, 15063,	14101, 16859,	11217, 11219, 11970
15064, 15075, 15077	16860, 18844,	<code>\rangle</code> 1984
<code>\raggedbottom</code>	18848, 18854, 18858	<code>\rawtext</code> 13756,
2408	<code>\raggedright</code>	13762, 13784,
<code>\raggedchapterentry</code>	100, 181, 230,	13785, 13866, 13870
..... 15948, 16596	769, 6082, 6102,	<code>\rbrace</code> 18225, 18234
<code>\raggeddictum</code>	6277, 6291, 7625,	<code>\rcb</code> 1985, 1988, 1989, 1993
15516, 16083, 16715	7638, 7887, 7902,	<code>\rcol@footinsskip</code> .
<code>\raggeddictumauthor</code>	7938, 7941, 7946,	..... 10770, 10790
15518, 16085, 16717	7954, 9827, 9839,	<code>\realfootnote</code> 11635
<code>\raggeddictumtext</code> .	11844, 11847,	<code>\recomputelengths</code> .
15517, 16084, 16716	11852, 12944,	..... 2471, 2488
<code>\RaggedLeft</code>	12945, 14003,	<code>\recomputethemengths</code>
.. 14030, 14098,	14005, 14011,	..... 2470,
14100, 16859,	14977, 14989,	2486, 7182, 7187
16860, 18844,	15431, 15432,	<code>\reflectbox</code> 10870
18848, 18852, 18860	15516, 15517,	<code>\refname</code> 782, 783, 916,
<code>\raggedleft</code>	15518, 15520,	917, 1178, 1179,
25,	15967, 16083,	1427, 1428, 2557,
100, 230, 769,	16084, 16085,	5077, 7646, 7647
6082, 6277, 6291,	16087, 16321,	<code>\refstepcounter</code> . . .
7625, 7638, 7887,	16327, 16615,	..... 764, 7620,
7902, 7938, 7941,	16715, 16716,	10100, 11812,
7946, 7954, 9827,	16717, 16719,	12011, 12017,
9839, 11844,	18370, 18375,	12329, 13038,
11847, 11852,	18377, 18378, 18379	13569, 13590, 17230
12944, 12945,	<code>\RaggedRightLeftskip</code>	<code>\refvskip</code> 16262
14003, 14005,	..... 14048	<code>\relax</code> 2,
14011, 14977,	<code>\RaggedRightParfillskip</code>	8, 10, 12, 14, 28,
14989, 15431,	..... 14051	82, 99, 128, 162,
15432, 15516,	<code>\RaggedRightParindent</code>	203, 209, 211, 213,
15517, 15518,	..... 3801,	215, 229, 238,
15520, 15967,	4454, 5022, 14052	291, 303, 321,
16083, 16084,	<code>\RaggedRightRightskip</code>	612, 626, 627,
16085, 16087,	..... 5019, 14049	628, 649, 650,
16321, 16327,	<code>\raggedsection</code>	651, 652, 657,
16615, 16715,	15431, 15967, 16615	658, 659, 660,
16716, 16717,	<code>\raggedsectionentry</code>	684, 685, 686,
16719, 18374,	..... 15415	687, 688, 693,
18376, 18378, 18379	<code>\raise</code> 9992	694, 695, 696,
<code>\RaggedLeftLeftskip</code>	<code>\raisebox</code> 4020, 4025,	720, 813, 828,
..... 14035	4036, 4037, 4040,	835, 865, 871,
<code>\RaggedLeftParfillskip</code>	4041, 7436, 7441,	889, 941, 948,
..... 14038		



949, 950, 954,
963, 972, 989,
990, 995, 996,
997, 998, 1001,
1004, 1008, 1033,
1034, 1035, 1040,
1041, 1042, 1043,
1076, 1092, 1114,
1132, 1141, 1175,
1199, 1200, 1201,
1205, 1214, 1223,
1240, 1241, 1246,
1247, 1248, 1249,
1252, 1255, 1259,
1284, 1285, 1286,
1291, 1292, 1293,
1294, 1327, 1334,
1346, 1352, 1370,
1420, 1448, 1449,
1450, 1454, 1463,
1472, 1489, 1490,
1495, 1496, 1497,
1498, 1501, 1504,
1508, 1533, 1534,
1535, 1540, 1541,
1542, 1543, 1630,
1631, 1648, 1649,
1650, 1779, 1785,
1791, 1803, 1809,
1815, 1829, 1924,
1925, 1926, 1931,
1932, 1933, 1934,
2159, 2167, 2175,
2226, 2365, 2581,
2705, 2723, 2777,
2794, 2978, 2982,
3216, 3240, 3255,
3272, 3287, 3303,
3320, 3332, 3364,
3375, 3454, 3662,
3663, 3672, 3700,
3766, 4267, 4464,
4584, 4647, 4651,
4655, 4732, 4743,
4761, 4772, 4790,
4801, 4859, 5056,
5064, 5069, 5100,
5285, 5309, 5405,
5410, 5413, 5420,
5458, 5464, 5559,

5585, 5613, 5620,
5627, 5639, 5675,
5739, 5746, 5758,
5764, 5780, 5835,
5851, 5852, 5853,
5857, 5866, 5875,
5892, 5893, 5898,
5899, 5900, 5901,
5915, 5922, 5934,
5940, 5956, 5988,
6027, 6028, 6029,
6033, 6042, 6051,
6068, 6069, 6074,
6075, 6076, 6077,
6125, 6132, 6133,
6134, 6155, 6156,
6157, 6158, 6163,
6164, 6165, 6166,
6190, 6191, 6192,
6193, 6194, 6199,
6200, 6201, 6202,
6226, 6367, 6389,
6390, 6391, 6392,
6398, 6399, 6400,
6401, 6402, 6407,
6408, 6411, 6412,
6495, 6513, 7032,
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7224, 7225, 7226,
7238, 7259, 7313,
7325, 7328, 7365,
7377, 7380, 7412,
7418, 7479, 7558,
7606, 7673, 7674,
7675, 7694, 7695,
7700, 7701, 7702,
7703, 7727, 7728,
7729, 7734, 7735,
7736, 7737, 7766,
7767, 7768, 7789,
7790, 7791, 7792,
7797, 7798, 7799,
7800, 7824, 7825,
7826, 7827, 7828,
7833, 7834, 7835,
7836, 7860, 7969,
7970, 7971, 7972,
7973, 8091, 8190,
8231, 8293, 8339,
8377, 8436, 8481,

8522, 8584, 8630,
8671, 8733, 8779,
8820, 8882, 8928,
8969, 9031, 9077,
9118, 9180, 9226,
9267, 9329, 9375,
9416, 9478, 9534,
9566, 9685, 9796,
9873, 9874, 9875,
9894, 9895, 9900,
9901, 9902, 9903,
9927, 9928, 9929,
9934, 9935, 9936,
9937, 9974, 9976,
9980, 10023,
10055, 10080,
10090, 10133,
10153, 10154,
10169, 10256,
10388, 10410,
10419, 10568,
10583, 10621,
10643, 10681,
11021, 11023,
11026, 11039,
11041, 11044,
11290, 11301,
11312, 11323,
11337, 11348,
11359, 11370,
11385, 11400,
11441, 11460,
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11512, 11531,
11543, 11562,
11574, 11593,
11675, 11709,
11740, 11769,
11877, 11889,
11896, 11897,
11901, 11902,
11969, 12366,
12444, 12447,
12450, 12451,
12452, 12458,
12908, 12909,
12910, 12911,
12912, 12972,
13265, 13267,
13268, 13271,



13277,	13279,	14677,	14678,	16002,	16013,
13280,	13283,	14679,	14680,	16075,	16080,
13289,	13291,	14709,	14710,	16376,	16377,
13292,	13295,	14711,	14712,	16383,	16384,
13381,	13423,	14713,	14718,	16386,	16395,
13619,	13620,	14719,	14720,	16396,	16397,
13621,	13638,	14721,	14743,	16457,	16483,
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13657,	13665,	14833,	14834,	16486,	16487,
13687,	13690,	14855,	14856,	16500,	16501,
13691,	13692,	14857,	14858,	16502,	16503,
13693,	13702,	14863,	14864,	16504,	16505,
13704,	13705,	14865,	14866,	16506,	16507,
13706,	13707,	14890,	14891,	16508,	16509,
13876,	13938,	14892,	14893,	16510,	16556,
14015,	14096,	14894,	14899,	16574,	16606,
14114,	14121,	14900,	14901,	16645,	16707,
14151,	14157,	14902,	14926,	16712,	16868,
14173,	14205,	15190,	15191,	16905,	16970,
14240,	14241,	15197,	15198,	16985,	16995,
14242,	14246,	15200,	15209,	16997,	17026,
14255,	14264,	15210,	15211,	17164,	17182,
14281,	14282,	15271,	15297,	17183,	17266,
14287,	14288,	15298,	15299,	17275,	17293,
14289,	14290,	15300,	15301,	17296,	17299,
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14300,	14325,	15316,	15317,	17330,	17347,
14326,	14327,	15318,	15319,	17350,	17353,
14332,	14333,	15320,	15321,	17364,	17367,
14334,	14335,	15322,	15323,	17370,	17381,
14368,	14377,	15324,	15370,	17384,	17387,
14378,	14379,	15388,	15426,	17396,	17398,
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14403,	14420,	15513,	15701,	17413,	17415,
14421,	14422,	15702,	15708,	17418,	17421,
14423,	14428,	15709,	15711,	17432,	17435,
14429,	14430,	15720,	15721,	17438,	17450,
14431,	14434,	15722,	15782,	17453,	17456,
14437,	14441,	15808,	15809,	17469,	17472,
14466,	14467,	15810,	15811,	17475,	17489,
14468,	14469,	15812,	15825,	17492,	17495,
14470,	14475,	15826,	15827,	17507,	17522,
14476,	14477,	15828,	15829,	17524,	17527,
14478,	14522,	15830,	15831,	17530,	17544,
14528,	14544,	15832,	15833,	17574,	17575,
14570,	14626,	15834,	15835,	17576,	17593,
14631,	14636,	15881,	15899,	17601,	17602,
14637,	14638,	15908,	15926,	17604,	17605,
14669,	14670,	15958,	15970,	17618,	17629,
14671,	14672,	15986,	15994,	17633,	17638,



17643, 17651,
 17655, 17664,
 17665, 17676,
 17684, 17695,
 17701, 17705,
 17709, 17726,
 17730, 17779,
 17780, 17783,
 17831, 17839,
 17980, 18063,
 18112, 18127,
 18198, 18256,
 18268, 18309,
 18401, 18404,
 18406, 18460,
 18461, 18464,
 18744, 18745, 18746
 \remainx 13430
 \remainxox . 13465, 13472
 \remainxox
 13475, 13484, 13493
 \remainxx . . 13433, 13435
 \remainxxx
 . . 13438, 13440,
 13442, 13467, 13470
 \remainxxxx . . 13445,
 13447, 13449,
 13451, 13477,
 13479, 13482,
 13486, 13489, 13491
 \remainxxxxx
 . . 13454, 13456,
 13458, 13460, 13462
 \remove@strip . 13068,
 13098, 13150, 13180
 \renewcommand . . . 19,
 20, 21, 22, 83,
 164, 171, 186, 220,
 221, 222, 223,
 292, 331, 355,
 624, 663, 665,
 719, 736, 750,
 754, 758, 759,
 760, 761, 792,
 832, 854, 870,
 888, 896, 909,
 911, 912, 913,
 914, 926, 932,
 938, 944, 945,
 955, 1012, 1014,

1080, 1097, 1110,
 1113, 1131, 1138,
 1164, 1165, 1166,
 1167, 1168, 1173,
 1188, 1195, 1196,
 1206, 1263, 1265,
 1331, 1335, 1351,
 1369, 1378, 1391,
 1411, 1417, 1422,
 1423, 1424, 1425,
 1437, 1444, 1445,
 1455, 1512, 1514,
 1913, 1915, 2357,
 2358, 2359, 2395,
 2396, 2401, 2450,
 2454, 2485, 2490,
 2570, 3214, 3238,
 3570, 3575, 3595,
 3608, 3630, 3641,
 3779, 3788, 3829,
 3947, 3950, 3951,
 3955, 3956, 4102,
 4103, 4445, 4446,
 4447, 4448, 4514,
 4629, 4638, 4659,
 4676, 4693, 4807,
 4808, 4809, 4891,
 4900, 4952, 4960,
 4984, 4989, 5000,
 5001, 5002, 5003,
 5004, 5005, 5006,
 5072, 5077, 5079,
 5080, 5097, 5098,
 5099, 5100, 5157,
 5158, 5159, 5161,
 5165, 5166, 5167,
 5171, 5172, 5178,
 5182, 5183, 5184,
 5188, 5189, 5194,
 5198, 5199, 5200,
 5209, 5210, 5211,
 5215, 5216, 5238,
 5262, 5324, 5337,
 5342, 5350, 5743,
 5747, 5763, 5779,
 5787, 5801, 5820,
 5826, 5832, 5837,
 5838, 5839, 5840,
 5841, 5842, 5844,
 5846, 5848, 5858,

5919, 5923, 5939,
 5955, 5963, 5977,
 5979, 5985, 6007,
 6013, 6014, 6015,
 6016, 6017, 6018,
 6020, 6022, 6024,
 6034, 6130, 6169,
 6171, 6225, 6240,
 6255, 6259, 6263,
 6265, 6267, 6269,
 6270, 6271, 6272,
 6273, 6274, 6297,
 6315, 6406, 6410,
 6416, 6500, 6505,
 6515, 6538, 6561,
 6584, 6611, 6627,
 7033, 7073, 7074,
 7075, 7076, 7077,
 7078, 7079, 7080,
 7094, 7099, 7131,
 7165, 7166, 7167,
 7168, 7169, 7170,
 7171, 7172, 7182,
 7194, 7382, 7383,
 7384, 7387, 7390,
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 7564, 7591, 7605,
 7656, 7662, 7666,
 7671, 7706, 7708,
 7758, 7759, 7760,
 7761, 7764, 7803,
 7805, 7859, 7873,
 7875, 7877, 7879,
 7880, 7881, 7882,
 7883, 7884, 7908,
 7926, 7936, 7949,
 7960, 7964, 7978,
 7994, 8010, 8026,
 8039, 8052, 9795,
 9810, 9845, 9849,
 9864, 9871, 9906,
 9908, 9958, 9959,
 9960, 9961, 9962,
 9963, 9965, 9967,
 10080, 10090,
 10110, 10119,
 10209, 10228,
 10230, 10232,
 10234, 10235,
 10236, 10237,



10238,	10239,	14511,	14527,	15968,	15969,
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10263,	10332,	14596,	14598,	16078,	16083,
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14445,	14447,	15907,	15935,	18789,	18790,



18791, 18841,	3876, 3877, 4094,	8311, 8349, 8358,
18843, 18845,	4304, 4305, 4306,	8367, 8392, 8403,
18847, 18851,	4307, 4511, 4512,	8415, 8441, 8453,
18853, 18857, 18859	4627, 4843, 5018,	8491, 8501, 8511,
<code>\RenewDocumentCommand</code>	5029, 5081, 5107,	8537, 8549, 8562,
..... 12502, 12831	5115, 5132, 5287,	8589, 8602, 8640,
<code>\renewenvironment</code> 80,	5288, 5289,	8650, 8660, 8686,
289, 495, 781,	5290, 5291, 5292,	8698, 8711, 8738,
801, 817, 837,	5311, 5312, 5313,	8751, 8789, 8799,
844, 915, 1065,	5314, 5315, 5316,	8809, 8835, 8847,
1143, 1150, 1177,	18781, 18782,	8860, 8887, 8900,
1316, 1394, 1401,	18783, 18784, 18833	8938, 8948, 8958,
1426, 4044, 4047,	<code>\RequireXeTeX</code> . 1741, 1858	8984, 8996, 9009,
4050, 4053, 5048,	<code>\reserved@a</code> .. 2205,	9036, 9049, 9087,
5058, 5066, 5082,	2209, 2215, 2218,	9097, 9107, 9133,
5293, 5728, 5803,	2221, 2224, 2645,	9145, 9158, 9185,
5809, 5904, 5990,	2649, 2826, 2827,	9198, 9236, 9246,
5996, 6113, 6304,	2828, 3419, 3427,	9256, 9282, 9294,
6365, 6380, 6512,	3437, 3439, 3446,	9307, 9334, 9347,
7645, 7915, 9853,	3448, 3453, 3455,	9385, 9395, 9405,
10097, 10606,	3456, 3459, 3462,	9431, 9443, 9456,
13057, 13495,	3498, 3499, 3500,	9483, 9496, 9583,
13601, 14103,	3502, 3509,	9595, 9607, 9633,
14123, 14130,	3512, 3537, 3538,	9647, 9661, 9696,
14207, 14357,	3558, 3560, 3564,	9710, 10183,
14572, 14579,	3571, 3573, 3652,	10431, 10447,
14600, 14793,	3653, 17695,	10462, 10491,
14814, 14995,	17696, 18323, 18329	10504, 10517,
15442, 16009,	<code>\reserved@b</code> .. 2185,	18561, 18605, 18692
16641, 17194,	2186, 2645, 2649,	<code>\resizebox</code> 10891
17197, 17222, 18239	2650, 3409,	<code>\restore@protect</code> . 2841
<code>\renewrobustcmd</code> ...	3410, 3438, 3496,	<code>\restoreCaptionSkip</code>
12435, 12461, 12472	3498, 3515, 3532,	..... 11052
<code>\repeat</code> 469,	3533, 3538, 3543,	<code>\restorecounters@</code> 7490
6626, 6743, 6749,	3545, 3546, 3548,	<code>\restylefloat</code> 4294
6857, 6915, 6925,	3551, 3571, 3573	<code>\resumename</code> 2447
9546, 9556,	<code>\reserved@c</code> 3511, 3514,	<code>\rightskip</code> 17575
11937, 13774,	3515, 3519, 3530,	<code>\right</code> 18225, 18234, 18238
13821, 13832,	3543, 3557, 3561	<code>\right@cor</code> ... 13070,
13843, 13871, 17009	<code>\reserved@d</code>	13071, 13152, 13153
<code>\RequirePackage</code> 1740,	... 2644, 2649,	<code>\right@footnoterule</code>
1742, 1743, 1744,	3531, 3550, 3563	..... 26,
1745, 1746, 1938,	<code>\reset@dir</code> . 13938, 18198	236, 626, 754,
1939, 2367, 2368,	<code>\reset@font</code> .. 4347,	938, 948, 1173,
2369, 2370, 2377,	4391, 4435, 4663,	1199, 1417, 1448,
2378, 2393, 2446,	4680, 4697, 7982,	5832, 5851, 5985,
3417, 3418, 3434,	7998, 8014, 8034,	6027, 6132, 6259,
3478, 3479, 3482,	8047, 8060, 8200,	7666, 7673, 7766,
3734, 3806, 3808,	8210, 8220, 8246,	7964, 9849, 9873,
3815, 3836, 3840,	8258, 8271, 8298,	10348, 10362,



10372,	10488,	12940,	12941,	17416,	17417,
10514,	11859,	13267,	13271,	17425,	17432,
13421,	14202,	13272,	13279,	17433,	17434,
14240,	14377,	13284,	13291,	17442,	17450,
14623,	14636,	13296,	14022,	17451,	17452,
14778,	14832,	14024,	14035,	17460,	17469,
14959,	15195,	14037,	14048,	17470,	17471,
15209,	15511,	14050,	14059,	17479,	17489,
15706,	15720,	14061,	14078,	17490,	17491,
16078,	16248,	14121,	14134,	17499,	17524,
16381, 16395, 16710		14145,	14146,	17525,	17526,
<code>\rightfootnoterule</code>		14151,	14162,	17534,	17574,
1796, 7223, 7970,		14185,	14188,	17576,	17599,
10360, 10811, 18746		14189,	14516,	17661,	17662,
<code>\rightline</code> . . . 13958,		14517,	14522,	17663,	17669,
18386, 18390, 18392		14533,	14556,	17672,	17719,
<code>\rightmargin</code> . . . 1158,		14559,	14560,	17779,	17784,
5034, 5053, 5061,		14570,	14583,	17807,	17814,
5067, 10743,		14631,	14747,	18371,	18398,
10747, 11953,		14762,	14765,	18399, 18460, 18465	
11954, 11967,		14766,	14771,	<code>\RL</code> . . . 11802, 13928, 18188	
14011, 18261,		14772,	14931,	<code>\rlap</code> . . . 308, 666, 1015,	
18272, 18278,		14946,	14949,	1515, 1916, 6172,	
18284, 18292, 18296		14950,	15380,	7709, 7806, 9909,	
<code>\rightskip</code> 12, 13, 213,		15383,	15384,	10002, 10007,	
214, 307, 311, 725,		15416,	15420,	10595, 10829,	
742, 745, 746,		15891,	15894,	10875, 10941,	
835, 848, 859,		15895,	15918,	10942, 10955,	
860, 865, 876,		15921,	15922,	10956, 11839,	
901, 904, 905,		15949,	15953,	13325, 13944,	
1085, 1086, 1092,		16566,	16569,	14307, 14448,	
1102, 1105, 1106,		16570,	16597,	14644, 14687,	
1119, 1141, 1334,		16601,	17117,	14872, 15217,	
1340, 1341, 1346,		17122,	17133,	15281, 15728,	
1357, 1383, 1386,		17146,	17150,	15792, 16403,	
1387, 1405, 4972,		17170,	17173,	16467, 16896, 18208	
4979, 4980, 5550,		17178,	17182,	<code>\RLE</code> . . . 1772, 1874, 11801,	
5746, 5752, 5753,		17183,	17293,	13928, 13929,	
5758, 5769, 5792,		17294,	17295,	13933, 17833,	
5795, 5796, 5922,		17303,	17324,	18188, 18189, 18193	
5928, 5929, 5934,		17325,	17326,	<code>\rmfamily</code> 944,	
5945, 5968, 5971,		17334,	17347,	1195, 1444, 4862,	
5972, 6231, 6246,		17348,	17349,	4915, 4918, 4922,	
6249, 6250, 6383,		17357,	17364,	4925, 4929, 4932,	
6385, 6387, 6501,		17365,	17366,	4936, 4939, 4943,	
6502, 6508, 7597,		17374,	17381,	4946, 14236, 14373	
7600, 7601, 7611,		17382,	17383,	<code>\romannumeral</code> . . . 2288,	
7864, 8158, 9743,		17391,	17398,	5587, 5649,	
9801, 9816, 9819,		17399,	17400,	7498, 7501, 7547,	
9820, 12425,		17408,	17415,	10211, 10212,	



10213, 10214,	4809, 5159, 6137,	13819, 13840, 13842
10216, 10217,	6211, 7771, 7845,	\rule . 45, 58, 73, 254,
10218, 10219,	10405, 14382,	267, 281, 2495,
10220, 10223,	14488, 14641,	7087, 7579, 7583,
10224, 10225, 18264	14729, 14837,	7586, 7990, 8006,
\rot@float@box 15023,	14911, 15214,	8022, 8036, 8049,
15024, 15025,	15330, 15725,	8062, 10441,
15039, 15048,	15841, 16400, 16516	10457, 10472,
15066, 15067,	\RTLfootnotetext ..	10498, 10511,
15068, 15069,	2143, 2154, 5599,	10524, 12509, 13995
15070, 15086, 15097	5609, 10574,	
\rot@label . 15019, 15062	10577, 11471,	S
\rot@LR . . . 15030, 15075	12403, 17058, 17062	\save@dir . . 13937, 18197
\rot@mess@toks 15022,	\RTLfoottextfont ..	\savebox 7504,
15034, 15044,	. . . 7999, 8006,	10981, 10983, 11063
15053, 15065,	8056, 8062, 8121,	\saveCaptionSkip . 11013
15080, 15092, 15102	8220, 8241, 8271,	\savecounters@ . . . 7487
\rot@message 15053, 15102	8367, 8387, 8415,	\saved@dir . . 13937,
\rot@pageref 15020, 15063	8511, 8532, 8562,	13938, 18197, 18198
\rotate 15116	8660, 8681, 8711,	\sbox 7570, 11015, 11032,
\rotatebox . . . 10254,	8809, 8830, 8860,	11898, 11906,
10984, 11033,	8958, 8979, 9009,	11908, 11910,
11246, 15039,	9107, 9128, 9158,	11919, 11994,
15048, 15086, 15097	9256, 9277, 9307,	12383, 12977,
\rotateframe 10216, 10253	9405, 9426, 9456,	12992, 13024,
\rotFPbot 15040,	9607, 9627, 9661	13602, 15532,
15047, 15087, 15096	\RTLMarginnote . . . 4831	15546, 15586,
\rotFPtop 15038,	\RTLMarginpar . . . 18566	16099, 16113,
15049, 15085, 15098	\RTLMulticolcolumns	16153, 16731,
\rrb 1987, 1997	. . . . . 13373	16745, 16785,
\rsb 1986, 1995	\RTLSidenote . 4566, 4805	17132, 17149, 18727
\RTL 13921, 18181	\RTLthanks . 631, 651,	\sc@temp 16267,
\RTL@column@boxes .	686, 705, 5159,	16268, 16273,
13349, 13375, 13380	5167, 5184, 5200,	16274, 16279,
\RTL@outputdblcol .	5211, 6137, 6157,	16280, 16285,
. . . 6649, 10011,	6192, 6211, 7771,	16286, 16291,
10786, 13062,	7791, 7826, 7845,	16292, 16297,
18474, 18519, 18520	10572, 12910,	16298, 16303,
\RTLbiditufteesidenotemarginpar	14382, 14422,	16304, 16309,
. . 4396, 4694, 4834	14468, 14488,	16310, 16315, 16316
\RTLcases . 18237, 18240	14641, 14671,	\SC@FLOAT 16855, 18841,
\RTLcite 4623,	14711, 14729,	18845, 18851,
4740, 4769, 4798,	14837, 14857,	18853, 18857, 18859
4820, 4829, 4838	14892, 14911,	\SC@justify@caption
\RTLcolumnfootnotes	15214, 15299,	. . 16858, 18843,
. 8079	15330, 15725,	18847, 18852,
\RTLdblcol 18520	15810, 15841,	18854, 18858, 18860
\RTLdfnmakecol . . . 7383	16400, 16485, 16516	\sc@temp 16265,
\RTLfootnote . . . 631,	\rtside 13804,	16267, 16271,
705, 2074, 2087,	13806, 13817,	16273, 16277,



16279, 16283,	15538, 16093,	5229, 13615, 13628
16285, 16289,	16104, 16105,	\separatorcolumnwidth
16291, 16295,	16725, 16736, 16737	..... 2462,
16297, 16301,	\scr@tmp@LTRfootnotetext	2463, 2474, 2480,
16303, 16307,	.. 15528, 15539,	2496, 2501, 2507,
16309, 16313,	15540, 16095,	2564, 7185, 7215
16315, 16325, 16327	16106, 16107,	\SepMark .. 18249, 18250
\sc@wm@text	16727, 16738, 16739	\seq
7388	\scr@tmp@RTLfootnotetext	12587, 12588
\scalebox .....	.. 15530, 15541,	\set@color ... 6459,
10889	15542, 16097,	6464, 6472, 6478,
\scantokens .	16108, 16109,	6486, 6493,
2977, 2997	16729, 16740, 16741	6498, 10602,
\scr@caption	\scriptsize .. 5000,	18032, 18036, 18132
.. 15638, 15640,	16266, 16272,	\set@typeset@protect
15642, 16205,	16272, 16284,	..... 10178,
16207, 16209,	16290, 16296,	10182, 16944,
16837, 16839, 16841	16302, 16308, 16314	18435, 18672, 18674
\scr@caption@before@longtable@warning	\scshape	\setboolean
15610, 16177, 16809	6085	. 384, 387, 390,
\scr@compatibility	\secshape .. 14730, 14771	393, 498, 508,
.. 15388, 15426,	\SectFont	511, 514, 517, 559,
15899, 15926,	840,	3740, 3741, 3742,
15958, 15970,	849, 1146, 1154,	3744, 3746, 3751,
15986, 15994,	1397, 1406, 5806,	3752, 3756, 3757,
16002, 16574, 16606	5993, 14126,	3837, 3841, 3844,
\scr@LT@array .	14135, 14575, 14584	3849, 3851, 3855,
11811,	\sectfont	3857, 4229, 4850,
15635, 15636,	14005	4851, 4852, 5109,
15648, 16202,	\section	5110, 5111, 5136, 5137
16203, 16215,	782,	\setbox
16834, 16835, 16847	809, 825, 840,	599,
\scr@samed@footnotetext	846, 849, 916,	1621, 1623, 1624,
..... 15147,	1073, 1146, 1152,	1680, 2237, 2308,
15151, 15658,	1154, 1178, 1324,	2313, 2316, 2325,
15662, 16333, 16337	1397, 1403, 1406,	4275, 4331, 4334,
\scr@samed@LTRfootnotetext	1427, 2491, 2557,	4375, 4378, 4419,
.. 15145, 15148,	4864, 4886, 4954,	4422, 5478, 5489,
15155, 15656,	4962, 5077, 5080,	5702, 5716, 6339,
15659, 15666,	5084, 5806, 5993,	6366, 6371, 6430,
16331, 16334, 16341	7646, 14126,	6459, 6614, 6615,
\scr@samed@RTLfootnotetext	14132, 14135,	6619, 6622, 6632,
.. 15146, 15149,	14575, 14581, 14584	6636, 6639, 6643,
15159, 15657,	\sectionbib	6651, 6654, 6664,
15660, 15670,	17217	6676, 6687, 6690,
16332, 16335, 16345	\sectionfont ..	6703, 6719, 6739,
\scr@smashdp ..	2431,	6740, 6745, 6746,
15554,	2439, 7078, 7171	6751, 6754, 6777,
15568, 15569,	\sectionstyle 2439, 2497	6785, 6795, 6846,
15587, 16121,	\sectiontitlecolour	6860, 6864, 6874,
16135, 16136,	..... 2422,	6879, 6888, 6890,
16154, 16753,	7040, 7048, 7055,	6905, 6906, 6917,
16767, 16768, 16786	7062, 7069, 7139,	
\scr@tmp@footnotetext	7145, 7151, 7157, 7163	
.. 15526, 15537,	\selectfont	
	342, 5225, 5227,	



6918, 6930, 6931,	13091,	13109,	683, 956, 988,
6941, 6949, 6959,	13114,	13147,	1032, 1207, 1239,
7007, 7231, 7239,	13158,	13163,	1283, 1456, 1488,
7240, 7244, 7252,	13173,	13191,	1532, 1923, 4531,
7260, 7261, 7265,	13196,	13224,	4550, 4569, 4601,
7280, 7283, 7288,	13305,	13321,	4848, 5360, 5645,
7292, 7300, 7337,	13748,	13762,	5859, 5891, 6035,
7340, 7345, 7349,	13765,	13784,	6067, 6154, 6189,
7354, 8027, 8040,	13785,	13791,	7693, 7726, 7788,
8053, 8113, 8170,	13792,	13803,	7823, 9893,
8175, 8182, 8243,	13805,	13807,	9926, 10198,
8255, 8268, 8308,	13809,	13812,	11865, 11866,
8389, 8400, 8412,	13814,	13816,	12938, 13567,
8450, 8534, 8546,	13818,	13828,	13588, 14248,
8559, 8599, 8683,	13830,	13839,	14280, 14324,
8695, 8708, 8748,	13841,	13856,	14387, 14419,
8832, 8844, 8857,	13858,	13866,	14465, 14668,
8897, 8981, 8993,	13868,	13877,	14708, 14854,
9006, 9046, 9130,	13943,	13944,	14889, 15205,
9142, 9155, 9195,	13974,	13992,	15296, 15470,
9279, 9291, 9304,	15108,	15118,	15543, 15544,
9344, 9428, 9440,	15129,	15136,	15716, 15807,
9453, 9493, 9519,	15552,	16119,	16037, 16110,
9520, 9527, 9540,	16266,	16272,	16111, 16391,
9543, 9545, 9550,	16278,	16284,	16482, 16669,
9553, 9555, 9557,	16290,	16296,	16742, 16743, 17517
9587, 9599, 9611,	16302,	16308,	\setdefaultbibitems
9629, 9637, 9643,	16314,	16751,	..... 18254
9651, 9657, 9665,	16884,	16933,	\setdefaultmarginpar
9700, 9707, 9714,	16975,	17025,	..... 18656
9729, 9736, 9755,	17095,	17737,	\setDefaults 10970
9763, 9776, 9783,	17740,	17745,	\setfloatalignment 3909
9988, 10014,	17749,	17753,	\setfootnoteLR ... 10427
10017, 10030,	17757,	17761,	\setfootnoteRL ... 10425
10046, 10049,	17765,	17769,	\setkeys
10063, 10110,	17773,	18024,	382, 506, 6330,
10150, 10155,	18032,	18137,	6347, 7468, 7474,
10489, 10502,	18207,	18208,	7476, 10864,
10515, 10533,	18325,	18395,	10972, 11904,
10657, 10666,	18423,	18476,	13608, 13641,
10670, 10694,	18478,	18494,	15027, 15072, 17917
10708, 10768,	18497,	18545,	\setlength . 174, 197,
10773, 10788,	18548,	18589,	198, 723, 740,
10793, 10821,	18592,	18620,	875, 899, 1100,
10828, 10829,	18634, 18652, 18702		1118, 1155, 1156,
10874, 10875,	\setcaptionfont .. 3829		1157, 1158, 1159,
12362, 12371,	\setchapterpreamble		1356, 1381, 2061,
12411, 12443,	..... 16014, 16646		2062, 2063, 2335,
12449, 13065,	\setcitationfont . 4447		2336, 2338, 2339,
13076, 13081,	\setcounter ... 648,		2341, 2342, 2344,



2345, 2347, 2348,	15411,	15549,	\settodepth	13603
2350, 2351, 2353,	15575,	15675,	\settoheight	7447, 13604
2354, 2355, 2360,	15884,	15887,	\settowidth	85,
2361, 2399, 2400,	15911,	15914,	294, 786, 920,	
2402, 2403, 2404,	15941,	15944,	1182, 1431, 2467,	
2405, 2463, 2472,	16116,	16142,	5814, 6001, 6309,	
2473, 2476, 2478,	16350,	16559,	7176, 7492, 7650,	
2481, 2482, 2484,	16562,	16589,	7920, 9858,	
2487, 2553, 2562,	16592,	16748,	11945, 13606,	
2563, 2564, 3765,	16774,	17121,	14212, 14605,	
3801, 3802, 3803,	17122,	17170,	14798, 15000,	
3804, 3825, 3831,	17171,	17173,	15463, 16030,	
3832, 3865, 3868,	17541,	17545,	16265, 16271,	
3872, 3918, 3964,	17546,	17548,	16277, 16283,	
3965, 4454, 4455,	17549,	17551,	16289, 16295,	
4456, 4457, 4463,	17552,	17554,	16301, 16307,	
4714, 5007, 5008,	17555,	17557,	16313, 16662,	
5009, 5010, 5011,	17558, 18307, 18310		17200, 17702, 17704	
5012, 5013, 5014,	\setLR	13950, 18216	\Setversedim	
5016, 5017, 5019,	\setLTR .	13924, 13925,	. . . . .	5373, 5377, 5403
5022, 5023, 5024,	13938,	13950,	\SetWatermarkText	7387
5025, 5242, 5243,	13951,	17859,	\sevendcolumnfootnotes	
5768, 5790, 5944,	18184,	18185,	. . . . .	8922
5966, 6229, 6244,	18198, 18216, 18217		\sevendcolumnfootstyle	
6506, 7174, 7178,	\setLTRbibitems .	18253	. . . . .	9017
7180, 7183, 7450,	\setLTRcitationfont	4448	\sf	16266, 16272,
7595, 7610, 8109,	\setLTRmarginpar	18655	16278, 16284,	
8110, 8123, 9800,	\setLTRparagraphfootnotes		16290, 16296,	
9814, 10531,	. . . . .	7977	16302, 16308, 16314	
10914, 10915,	\setmarginnotefont	4446	\sfcode .	89, 298, 797,
10921, 10922,	\setparsizes . .	15222,	928, 1190, 1439,	
10924, 10925,	15334, 15733,		5822, 6009, 6320,	
10974, 10975,	15845, 16408, 16520		7658, 7931, 9866,	
10987, 10991,	\setRL	13949, 18215	13508, 14220,	
10993, 10995,	\setRTL	13923,	14613, 14809,	
10999, 11001,	13926, 13938,		15011, 15480,	
11871, 11872,	13949, 17899,		16047, 16679, 17211	
11873, 11874,	17933, 18183,		\sh@wgridXunit . .	13963
11899, 11913,	18186, 18198, 18215		\sh@wgridYunit . .	13963
11915, 11917,	\setRTLbibitems .	18252	\shadowbox	7564
11921, 11943,	\setRTLmain	1864	\shadowsize	
11948, 11951,	\setRTLmarginpar .	18654	7574, 7578, 7579,	
11955, 11956,	\setRTLparagraphfootnotes		7582, 7583, 7586	
11957, 12396,	. . . . .	7976	\shipout	10178, 18671
13607, 14161,	\setsidenotefont .	4445	\shortauthors	111, 112, 117
14183, 14532,	\setSingleSpace	8081, 8086	\shortcite	13510
14554, 14760,	\setspace@singlespace		\shorttitle .	110, 111, 117
14929, 14944,	. . . . .	4662, 4679, 4696	\showbox	10731
15164, 15373,	\setthesection . .	12955	\showgridp@s	13962
15376, 15408,			\showoutput	10731



<code>\sidecaptionsep</code> ...	14135, 14239,	3617, 4084, 4089,
..... 16856,	14376, 14584,	4090, 4223, 4224,
16857, 18842,	14635, 14831,	6085, 6280, 6742,
18846, 18851,	15208, 15719, 16394	6748, 6911, 6919,
18853, 18857, 18859	<code>\smallcaps</code>	6920, 7890, 9829,
<code>\sidecontents</code> 9777	.. 5343, 5344, 5345	10631, 10639,
<code>\sideins</code> 8087, 9775	<code>\smallskip</code>	10640, 10664,
<code>\sidenote</code> 4528, 4582,	.. 13430, 13435,	10672, 11883,
4620, 4712, 4803	13442, 13451,	12632, 12800,
<code>\sidenotes</code> 4625	13462, 13467,	12887, 13311,
<code>\sideways</code> 15134	13472, 13479,	13313, 13314,
<code>\sigindent</code> 16326	13486, 13493, 14002	13315, 13316,
<code>\sixcolumnfootnotes</code>	<code>\smash</code>	13970, 14979,
..... 8773	4025, 4036,	15021, 15064,
<code>\sixcolumnfootstyle</code>	4037, 4040, 4041,	15273, 15485,
..... 8868	4248, 7234, 7255,	15784, 16052,
<code>\sixin@n</code> 2204, 2226	10595, 11970,	16459, 16684,
<code>\size@chapter</code> ... 14005	13947, 18211, 18213	17045, 17047,
<code>\skip</code> 5566, 5567, 7285,	<code>\SOUL@apo</code> 16878	17104, 17821, 18625
7342, 8134, 8144,	<code>\SOUL@comma</code> 16877	<code>\spacefactor</code> .. 4641,
8161, 9745, 9768,	<code>\SOUL@do</code> 16880	4646, 4652, 4655
10549, 10770, 10790	<code>\SOUL@eventuallyexhyphen</code>	<code>\spaceskip</code> . 16911, 16916
<code>\skip@</code> 313, 314	..... 16867	<code>\special</code> . 1912, 12894,
<code>\skipalgocfslide</code> 182, 190	<code>\SOUL@grave</code> 16879	13944, 17101,
<code>\skiptotal</code> 198	<code>\SOUL@ignorespacesfalse</code>	17102, 17106,
<code>\sloppy</code> ... 41, 54, 69,	..... 16871	17107, 17109, 18208
88, 250, 263, 277,	<code>\SOUL@lasttoken</code> .. 16874	<code>\spinemargin</code> . 7397, 7401
297, 793, 927,	<code>\SOUL@lowerthan</code> .. 16864	<code>\split@prev</code>
1189, 1438, 2571,	<code>\SOUL@minus</code> 16876	10384, 10392, 10397
5821, 6008, 6316,	<code>\SOUL@postamble</code> .. 16881	<code>\splitbotmark</code> ... 10668
7657, 7927, 9865,	<code>\SOUL@preamble</code> ... 16873	<code>\splitfirstmark</code> ...
10763, 12428,	<code>\SOUL@soeventuallyskip</code>	10020, 10052, 10667
13507, 14081,	..... 16868	<code>\SplitFootnoteRule</code>
14095, 14219,	<code>\SOUL@spaceskip</code> . 16869	..... 1798, 10383
14612, 14805,	<code>\SOUL@start</code> 16862	<code>\splitfootnoterule</code>
15007, 15479,	<code>\SOUL@ulcolor</code> . 16893,	..... 10387, 10395
16046, 16678, 17207	16899, 16905, 16913	<code>\splitmaxdepth</code> .. 39,
<code>\slshape</code> .. 866, 1093,	<code>\SOUL@uldp</code> 16905	52, 67, 248,
1347, 2519, 5759,	<code>\SOUL@uleveryspace</code> 16907	261, 275, 8128,
5935, 7076, 7077,	<code>\SOUL@ulht</code> 16905	10015, 10047,
7167, 7168, 7170,	<code>\SOUL@ulleaders</code> ...	10434, 10450, 10465
14152, 14523, 14736	16893, 16899, 16915	<code>\splittopskip</code> ... 39,
<code>\small</code> . 625, 849, 947,	<code>\SOUL@uloverlap</code> . 16886	52, 67, 248,
1154, 1198, 1406,	<code>\SOUL@ulunderline</code> 16883	261, 275, 8127,
1447, 1948, 2433,	<code>\SOUL@word</code> 16875	8172, 8176, 8326,
2523, 2528, 2558,	<code>\soulomit</code> 16866	8327, 8331, 8332,
4989, 4990, 5055,	<code>\space</code>	8468, 8469, 8473,
5063, 5068, 5087,	403,	8474, 8617, 8618,
5850, 6026, 6131,	443, 1712, 2963,	8622, 8623, 8766,
7672, 7765, 9872,	3106, 3412, 3599,	8767, 8771, 8772,
	3601, 3612, 3614,	



8915, 8916, 8920,	16052, 16054,	16753, 16755,
8921, 9064, 9065,	16060, 16459,	16758, 16760,
9069, 9070, 9213,	16684, 16686,	16763, 16767,
9214, 9218, 9219,	16692, 17071,	16769, 16779,
9362, 9363, 9367,	17820, 18077, 18124	16781, 16786,
9368, 9511, 9512,	<code>\strip@prefix</code> 3014, 3027	16790, 17132, 17137
9516, 9517, 10433,	<code>\strip@pt</code> ... 9579, 9691	<code>\strutbox</code> ... 39, 52,
10449, 10464,	<code>\stripsep</code> ... 6677,	67, 248, 261, 275,
10662, 10663, 13758	6720, 6734, 6780,	597, 601, 7991,
<code>\stepcounter</code>	6789, 6799, 6844,	8007, 8023, 8037,
... 4539, 4558,	6944, 6953,	8050, 8063, 8128,
4577, 4609, 4726,	6963, 13085,	8326, 8331, 8468,
4755, 4784, 5536,	13087, 13094,	8473, 8617, 8622,
10197, 10265,	13167, 13169,	8766, 8771, 8915,
10335, 10405,	13176, 13235,	8920, 9064, 9069,
10414, 11637,	13238, 13240, 13247	9213, 9218, 9362,
11645, 12329,	<code>\strut</code>	9367, 9511, 9516,
13562, 13566,	45, 58,	10434, 10441,
13583, 13587,	73, 254, 267, 281,	10450, 10457,
15018, 15061, 18722	1978, 7958, 8235,	10465, 10472,
<code>\stopbreaks</code> 7950, 16325	8238, 8241, 8321,	10498, 10511,
<code>\str</code> ... 12549, 12571,	8322, 8381, 8384,	10524, 12348,
12576, 12650,	8387, 8463, 8464,	12364, 12444,
12681, 12694,	8526, 8529, 8532,	15577, 15578,
12716, 12770, 12802	8612, 8613, 8675,	16144, 16145,
<code>\stretch</code>	8678, 8681, 8761,	16776, 16777,
1685, 6432, 6435	8762, 8824, 8827,	16934, 16935,
<code>\string</code> ... 571, 1592,	8830, 8910, 8911,	16971, 18424, 18425
2582, 2588, 2660,	8973, 8976, 8979,	<code>\subfigure</code>
2662, 2680, 2681,	9059, 9060, 9122,	3959
2684, 2685, 2775,	9125, 9128, 9208,	<code>\subitem</code> . 104, 234, 5098
2808, 2809, 2815,	9209, 9271, 9274,	<code>\subjclass</code>
2963, 2993, 3014,	9277, 9357, 9358,	326
3017, 3044, 3046,	9420, 9423, 9426,	<code>\subject</code>
3106, 3167, 3168,	9506, 9507, 9619,	15318, 15829, 16504
3181, 3182, 3193,	9623, 9627, 9723,	<code>\subject@font</code> . 15231,
3194, 3207, 3208,	12442, 15533,	15344, 15742,
3412, 3421, 3425,	15535, 15554,	15855, 16417, 16530
3431, 3442, 3599,	15556, 15559,	<code>\subparagraph</code>
3601, 3612, 3614,	15561, 15564,	.. 4900, 4901, 4904
3615, 3616, 3617,	15568, 15570,	<code>\subsection</code>
3619, 4223, 4224,	15580, 15582,	.. 2498, 4871, 4887
6468, 6471, 6489,	15587, 15591,	<code>\subsectioncolour</code> .
6492, 10635,	16100, 16102,	..... 2424,
10636, 10637,	16121, 16123,	7041, 7049, 7056,
10638, 10639,	16126, 16128,	7063, 7070, 7140,
10761, 10896,	16131, 16135,	7146, 7152, 7158, 7164
10897, 15273,	16137, 16147,	<code>\subsectionfont</code> 2432,
15485, 15487,	16149, 16154,	2440, 7079, 7172
15493, 15784,	16158, 16328,	<code>\subsectionstyle</code> ..
	16732, 16734,	..... 2440, 2499
		<code>\subsubitem</code> 105, 235, 5099



<code>\subsubsection</code>	6703, 10974, 15026, 15071, 18721	<code>\textwidthfootnoterule</code> 1800, 7225, 7972, 10363, 10812, 18747
.. 4891, 4892, 4895		<code>\TeXeTOff</code> . 13874, 18135
<code>\subtable</code> 3959	<code>\textit</code> 17577	<code>\TeXeTOn</code> 13873, 13875, 18134, 18136
<code>\symbol</code> 1991, 2001	<code>\textsl</code> . 4107, 4108, 4109	<code>\TeXeTstate</code> .. 13873, 13874, 18134, 18135
<code>\sys</code> 12565	<code>\textsuperscript</code> 4654, 8108, 15187, 15698, 16244, 16373	<code>\TF@conlab</code> 10591, 10593, 10600
T		
<code>\t@cb@bchapsec</code> . . . 17193	<code>\texttt</code> 2001, 2065, 2067, 2068	<code>\TF@savecolor</code> 10597, 10602
<code>\tabcaption</code> 11023, 11041	<code>\textwidth</code> 1896, 2372, 2463, 2472, 2473, 2485, 2487, 3868, 3872, 3965, 4266, 4267, 5404, 6654, 6658, 6691, 6755, 6761, 6932, 7087, 7102, 7174, 7183, 7297, 7400, 8171, 9539, 10030, 10034, 10064, 10150, 10155, 10536, 10773, 10793, 10798, 10942, 10945, 10950, 10956, 12416, 13115, 13122, 13197, 13225, 13410, 13411, 13414, 13415, 13418, 13419, 13423, 13426, 15224, 15252, 15256, 15336, 15735, 15763, 15767, 15847, 16325, 16410, 16438, 16442, 16522, 18478, 18482, 18498, 18706, 18716	<code>\TF@Title</code> 10600
<code>\tabcolsep</code> 591, 1564, 12359, 14501, 18222	<code>\textwidth@footnoterule</code> . 628, 950, 1201, 1450, 5853, 6029, 6134, 7675, 7768, 9875, 10354, 10365, 13425, 14242, 14379, 14638, 14834, 15211, 15722, 16397	<code>\thanklessauthor</code> 5152, 5185, 5188, 5225
<code>\tablinesep</code> 16968		<code>\thanklesspublisher</code> 5153, 5212, 5215, 5229
<code>\tabskip</code> .. 607, 5546, 12373, 12374, 16940, 16979, 18430		<code>\thanklesstitle</code> 5151, 5168, 5171, 5227
<code>\tabular</code> 17040		<code>\thanks</code> 325, 629, 649, 684, 703, 951, 963, 989, 1000, 1001, 1010, 1033, 1050, 1202, 1214, 1240, 1251, 1252, 1261, 1284, 1301, 1451, 1463, 1489, 1500, 1501, 1510, 1533, 1551, 1924, 5151, 5152, 5153, 5154, 5157, 5164, 5165, 5181, 5182, 5197, 5198, 5209, 5854, 5866, 5892, 6030, 6042, 6068, 6135, 6155, 6190, 6209, 7676, 7694, 7727, 7744, 7769, 7789, 7824, 7843, 9876, 9894, 9927, 9944, 12908, 14243, 14255, 14281, 14292, 14293, 14302, 14325, 14342, 14380, 14394, 14420, 14433, 14434, 14443,
<code>\tabularnewline</code> 616, 12343, 16942, 18432		
<code>\tabularx</code> 17031		
<code>\tabularxcolumn</code> . 16993		
<code>\tagform@</code> 338		
<code>\tamark</code> 12921		
<code>\tcd</code> .. 13755, 13762, 13763		
<code>\tcdsav</code> 13755		
<code>\tcl</code> .. 13779, 13780, 13786		
<code>\tcn</code> 13763, 13764, 13786, 13787, 13788, 13789		
<code>\Telefon</code> 2413		
<code>\tencolumnfootnotes</code> 9369		
<code>\tencolumnfootstyle</code> 9464		
<code>\TeX</code> 11803, 13939, 13940, 13948, 18199, 18200, 18212		
<code>\textbf</code> 2526, 5044, 10608, 10610, 10612, 10614		
<code>\textbullet</code> .. 2410, 7033, 7097, 7131		
<code>\textcolor</code> . . . 7563, 7578, 7582, 7585, 10598, 11887		
<code>\textdef@</code> 340		
<code>\textendash</code> 953, 1204, 1267, 1453, 5856, 6032, 14245, 14384		
<code>\textheight</code> .. 1897, 2374, 6664,		



14466,	14486,	10669,	10671,	17649,	17657,
14639,	14669,	10672,	10686,	17658,	17695,
14709,	14727,	10712,	10742,	17711,	17715,
14835,	14855,	10743,	10744,	17814,	17977,
14890,	14909,	10749,	10750,	17989,	17994,
15212,	15297,	10751,	10761,	18015,	18016,
15328,	15723,	10866,	10911,	18018,	18140,
15808,	15839,	11424,	11432,	18141,	18264, 18311
16398,	16483, 16514	11433,	11439,	\the@cornersize ...	..... 9980, 9981
\thankses	..... 325	11441,	11470,	\thealgocf	..... 164
\the	120, 121, 439, 440,	11471,	11477,	\theAlgoLine	..... 18787
456,	457, 461,	11479,	11510,	\thechapter	... 310,
464,	470, 473,	11512,	11541,	4860, 5837, 5843,	
476,	478, 526,	11543,	11572,	5845, 5847, 6013,	
527,	540, 544,	11574,	11959,	6019, 6021, 6023,	
547,	550, 552,	11960,	11963,	6085, 6264, 6266,	
1580,	1674, 1675,	11967,	11971,	6268, 6269, 6270,	
1677,	1678, 1738,	12400,	12403,	6280, 7874, 7876,	
1855,	1888, 1890,	12760,	13069,	7878, 7879, 7880,	
1893,	1895, 2134,	13086,	13093,	7890, 9829, 9958,	
2137,	2140, 2143,	13099,	13151,	9964, 9966, 9968,	
2148,	2151, 2154,	13168,	13175,	10229,	10231,
2259,	2595, 2597,	13181,	13248,	10233,	10234,
2598,	2619, 2621,	13311,	13313,	10235,	10242,
2622,	2978, 3665,	13314,	13315,	10244,	10246,
3672,	3701, 4496,	13316,	13317,	10247,	10248,
4506,	4641, 4652,	13501,	13640,	12041,	12946,
5455,	5462, 5593,	13656,	13660,	12955,	12957,
5596,	5599, 5603,	13663,	13688,	12958,	12959,
5606,	5609, 5714,	13712,	13719,	13542,	14008,
6326,	6331, 6375,	13726,	13880,	14224,	14230,
6428,	6742, 6748,	13881,	15034,	14232,	14234,
6749,	6750, 6882,	15044,	15053,	14232,	14234,
6892,	6911, 6919,	15080,	15092,	14589,	14595,
6920,	6921, 6924,	15102,	15470,	14597,	14599,
6926,	6927, 6928,	16037,	16669,	14783,	14785,
10019,	10021,	16964,	16965,	14787,	14788,
10051,	10053,	16995,	17014,	14964,	14966,
10263,	10278,	17016,	17040,	14968,	14969,
10279,	10282,	17045,	17047,	14970,	14979,
10283,	10286,	17048,	17051,	15971,	15973,
10339,	10343,	17052,	17055,	15987,	15989,
10397,	10560,	17058,	17059,	15995,	15997,
10574,	10624,	17062,	17150,	16003,	16005,
10631,	10635,	17603,	17606,	16618,	16630,
10636,	10637,	17607,	17609,	16634,	16638, 17233
10638,	10639,	17611,	17615,	\thecontentspage	..
10640,	10648,	17620,	17624,	..... 4918, 4925,	
10654,	10661,	17635,	17636,	4932, 4939, 4946	
10662,	10664,	17639,	17645,	\thedata	5147, 5155, 5201



<code>\theDefaultDepth</code>	11866	<code>\thelstlisting</code>	12023, 12028, 12040, 12043	15440, 15981, 15983, 16625, 16627	
<code>\theDefaultLines</code>	11865	<code>\thempfn</code>	2160, 2168, 2176, 4727, 4733, 4756, 4762, 4785, 4791, 5614, 5621, 5628, 10406, 10411, 10415, 10420, 10538, 10564, 10569, 10579, 10584, 11291, 11302, 11313, 11443, 11481, 11514, 11545, 11576, 11638, 12474	<code>\thepart</code>	765, 773, 7621, 7629
<code>\theenumiv</code>	83, 85, 292, 294, 792, 926, 1188, 1437, 2570, 5820, 6007, 6315, 7656, 7926, 9864, 14218, 14611, 14804, 15006, 15477, 16044, 16676, 17206	<code>\thempfootnote</code>	10538, 12474	<code>\ther@tfl@t</code>	15019, 15020, 15062, 15063
<code>\theequation</code>	5842, 6018, 6263, 7873, 9963, 10228, 10241, 11840, 12956, 14229, 14598, 14782, 14963, 16001, 16637, 18740	<code>\theorem@indent</code>	13576, 13577, 13596, 13597	<code>\thesection</code>	19, 220, 758, 911, 1164, 1422, 4867, 5837, 5838, 6013, 6014, 6270, 6271, 7758, 7880, 7881, 9958, 9959, 10235, 10236, 10248, 10249, 12946, 12948, 13550, 13552, 14224, 14225, 14589, 14590, 14788, 14789, 14970, 14971, 15434, 15969, 15977, 16617, 16621
<code>\thefigure</code>	5844, 6020, 6265, 7875, 9965, 10230, 10243, 12958, 14231, 14594, 14784, 14965, 15985, 16629, 16950	<code>\theorem@prework</code>	13570	<code>\thesubparagraph</code>	22, 223, 761, 914, 1167, 1425, 5841, 6017, 6274, 7761, 7884, 9962, 10239, 10252, 12953, 14228, 14593, 14792, 14974, 15439, 15982, 16626
<code>\thefootdir@label</code>	10263, 10266, 10295, 10300, 10318, 10321, 10341	<code>\theorem@postskipamount</code>	13571, 13591	<code>\thesubsection</code>	19, 20, 220, 221, 758, 759, 911, 912, 1164, 1165, 1422, 1423, 4874, 5838, 5839, 6014, 6015, 6271, 6272, 7758, 7759, 7881, 7882, 9959, 9960, 10236, 10237, 10249, 10250, 12947, 12950, 14225, 14226, 14590, 14591, 14789, 14790, 14971, 14972, 15434
<code>\thefootnote</code>	665, 955, 1014, 1206, 1265, 1455, 1514, 1915, 5858, 6034, 6171, 7708, 7805, 9908, 11324, 14247, 14306, 14386, 14447, 14642, 14685, 14871, 15215, 15279, 15726, 15790, 16401, 16465	<code>\theorem@preskipamount</code>	13574, 13594		
<code>\thefootnotemark</code>	15187, 15698, 16244, 16373	<code>\thepage</code>	1886, 1891, 2548, 3995, 4107, 4108, 4109, 4118, 4119, 5331, 5332, 5343, 5344, 5345, 6808, 6826, 6973, 6991, 18021, 18625		
<code>\theHchapter</code>	13542	<code>\theparagraph</code>	21, 22, 222, 223, 760, 761, 913, 914, 1166, 1167, 1424, 1425, 4881, 5840, 5841, 6016, 6017, 6273, 6274, 7760, 7761, 7883, 7884, 9961, 9962, 10238, 10239, 10251, 10252, 12951, 12954, 14227, 14228, 14592, 14593, 14791, 14792, 14973, 14974, 15438		
<code>\theHsection</code>	13550, 13552				
<code>\theindex</code>	94, 224				
<code>\theL@lines</code>	11912, 11917, 11924				



15436, 15977,	1589, 1607, 1631,	\titlepage 838,
15979, 16621, 16623	1640, 8469, 8474,	1144, 1395, 5804,
\thesubsubsection 20,	16869, 17068, 17088	5991, 14124, 14573
21, 221, 222, 759,	\threecolumnfootnotes	\titlepagestyle . . .
760, 912, 913,	. . . . . 8333	15293, 15804, 16479
1165, 1166, 1423,	\threecolumnfootstyle	\titlespacing
1424, 5839, 5840,	. . . . . 8422	. . . 4885, 4886, 4887
6015, 6016, 6272,	\tiny . . . 1961, 4632, 5001	\titlestyle . 2436, 7198
6273, 7759, 7760,	\title . 322, 657, 693,	\tl 12487, 12494, 12511,
7882, 7883, 9960,	995, 1040, 1246,	12517, 12518,
9961, 10237,	1291, 1495, 1540,	12519, 12520,
10238, 10250,	1931, 2450, 2489,	12521, 12532,
10251, 12949,	5146, 5161, 5898,	12535, 12538,
12952, 14226,	6074, 6163, 6199,	12540, 12562,
14227, 14591,	7700, 7734, 7797,	12563, 12565,
14592, 14790,	7833, 9900, 9934,	12574, 12577,
14791, 14972,	14287, 14332,	12578, 12579,
14973, 15435,	14428, 14475,	12580, 12581,
15438, 15978,	14677, 14718,	12582, 12584,
15981, 16622, 16625	14863, 14899,	12590, 12595,
\thetable 2294, 5846,	15315, 15826, 16501	12598, 12599,
6022, 6267, 7877,	\TitleBarFrame	12612, 12614,
9967, 10232,	. . . 10589, 10608,	12615, 12616,
10245, 12959,	10610, 10612, 10614	12617, 12618,
14233, 14596,	\titlecolour . 2419, 7134	12619, 12620,
14786, 14967,	\titlecontents	12629, 12632,
15993, 16633, 16951	. . . 4913, 4920,	12636, 12637,
\thinlines 6518, 6528,	4927, 4934, 4941	12638, 12641,
6541, 6551, 6564,	\TitleFont . 944, 960,	12655, 12661,
6574, 6587, 6597	1051, 1053, 1059,	12674, 12679,
\thispagestyle . . 97,	1195, 1211, 1302,	12683, 12704,
109, 227, 681, 812,	1304, 1310, 1444,	12712, 12713,
827, 1030, 1075,	1460, 1552, 1554,	12738, 12742,
1281, 1326, 1530,	1560, 1563, 1564,	12743, 12744,
5232, 5254, 5275,	1569, 5863, 6039,	12757, 12800,
5738, 5914, 6124,	14236, 14252,	12826, 12827,
6187, 7724, 7821,	14343, 14345,	12837, 12838,
7937, 7940, 9924,	14351, 14373,	12839, 12840,
11843, 11846,	14391, 14489,	12849, 12850,
12936, 14113,	14491, 14497,	12851, 12854,
14322, 14367,	14500, 14501, 14506	12856, 12858,
14463, 14706,	\titlefont 2428, 2436,	12867, 12869,
14825, 14887,	7167, 15234,	12872, 12873,
15220, 15293,	15347, 15745,	12878, 12879,
15731, 15804,	15858, 16420, 16533	12884, 12887,
16406, 16479, 17265	\titleformat . . 4857,	12893, 12900, 12901
\thm@topsepadd 13571,	4864, 4871, 4878	\toaddress . 7946, 11852
13572, 13575,	\titlehead	\toc@headstar
13591, 13592, 13595	. . . . . 17255, 17260	. . . . . 17255, 17260
\thr@@ 568, 584,	15317, 15828, 16503	\toc@l@number . 15375,



15376, 15410,	\tocstyle@samed@dottedto	line	13773, 13779,
15411, 15886,	.....	17796	13781, 13783,
15887, 15913,	\tocstyle@samed@numberline		13784, 13785,
15914, 15943,	.....	17804	13848, 13849,
15944, 16561,	\tocstyle@depth	17591,	13850, 13851,
16562, 16591, 16592	17603, 17615,		13855, 13856, 13860
\toclevel@subfigure	17635, 17636,		\topmargin 1901, 2373,
.....	17639, 17657,		7419, 10190, 18700
17467	17658, 17707,		\topmark 10018,
\toclevel@subtable 17487	17709, 17711, 17715		10027, 10050, 10059
\tocstyle@numberline	\tocstyle@TOC	.....	\topsep .. 2043, 2052,
.....	17702,		2562, 3794, 4995,
17704, 17722,	.....	17603, 17606,	5037, 12968, 12970
17724, 17727, 17729	17607, 17609,		\topskip 303,
\tocstyle@activate@call	17611, 17615,		1909, 6868, 6871,
.....	17616, 17618,		10673, 10675,
17815	17627, 17628,		10680, 12974,
\tocstyle@activate@features	17619, 17623,		13228, 17231,
.....	17627, 17628,		17237, 17242,
17592	17631, 17632,		17249, 17254, 17259
\tocstyle@dottedto	17635, 17636,		\TOTALHEIGHT 17100, 17104
line	17639, 17641,		\totalheight 10893
.....	17643, 17644,		\traditionalconverses
17579	17648, 17653,		.. 5393, 5416, 5432
\tocstyle@feature@do	17654, 17657,		\traditionalhalfverses
hook	17658, 17707,		..... 5382,
.....	17709, 17710, 17714		5386, 5393, 5426
17678	\today	.....	5155
\tocstyle@feature@entry	\toks	.....	118,
hook	120, 1674, 1675,		\traditionalpoem . 5635
.....	1677, 1678, 4489,		\traditionalpoem@cr
17674	4490, 4496, 6428,		.. 5506, 5555, 5556
\tocstyle@feature@entry	10667, 10668, 10669		\traditionalpoem@obeylines
vskip	.. 117, 121, 3697,		..... 5436, 5635
.....	3701, 10018,		\traditionalpoem@par
17593, 17596	10019, 10020,		.. 5436, 5437, 5555
\tocstyle@feature@lead	10021, 10050,		\trimb 4491, 4498
ers	10051, 10052,		\trimc 4500
.....	10053, 10863,		\trivlist
17676, 17681	10866, 10900,		10101, 13573, 13593
\tocstyle@feature@page	10902, 10906,		\ttdefault .. 7073, 7165
numberbox	10908, 10911,		\ttfamily 1948,
.....	11421, 11424,		1988, 1989, 1991,
17684, 17687	17014, 17034, 17040		1992, 1993, 1994,
\tocstyle@feature@page	\tolerance ... 8231,		1995, 1996, 1997
numberhook	8377, 8522, 8671,		\ttl@a 17155, 17157
.....	8820, 8969,		\ttl@b 17150,
17685, 17687	9118, 9267, 9416		17151, 17155, 17157
\tocstyle@feature@par	\tolongname 7946, 11852		\ttl@beginlongest 17125
fillskip	\topheight	.....	\ttl@calc .. 17120, 17132
.....	.. 13767, 13769,		\ttl@change@centercr
17664, 17665	13770, 13771,		..... 17124
\tocstyle@feature@rag			
gedhook			
.....			
17600			
\tocstyle@feature@space			
afternumber			
.....			
17701,			
17705, 17726, 17730			
\tocstyle@indent			
style			
.....			
17651, 17721			
\tocstyle@l@define			
.....			
17738, 17741,			
17746, 17750,			
17754, 17758,			
17762, 17766,			
17770, 17774, 17806			
\tocstyle@macrochange			
warning			
.....			
17794, 17801			
\tocstyle@numberline			
.....			
17580, 17699			



\ttl@contentsstretch	16969, 17067,	\TX@trial	17003, 17008, 17024
..... 17162	17075, 17379,	\TX@trial@ftn	17027, 17028, 17029
\ttl@corr	18208, 18209,	\TX@typeout@	17001, 17043
.. 17177, 17178, 17181	18443, 18447, 18449	\TX@verb	16994
\ttl@endlongest	\twocolumn	\TX@vwarn	17030
.. 17140	.... 674,	\TX@xftntext	17010
\ttl@filleft	809, 825, 1023,	\TX@xLTRftntext	..... 17011, 17054
\ttl@filright	1073, 1274, 1324,	\TX@xRTLftntext	..... 17012, 17061
\ttl@glcmds	1523, 1885, 5736,	\typeout	..... 1737,
\ttl@hmode@error	5912, 6121, 6180,	1739, 3991, 3993,	1739, 3991, 3993,
\ttl@leaders	6807, 6972,	3994, 3995, 3997,	3994, 3995, 3997,
\ttl@lselect	7717, 7814, 9917,	3999, 4000, 4001,	3999, 4000, 4001,
\ttl@makeline	12927, 14111,	10273, 13984,	10273, 13984,
\ttl@margin	14315, 14365,	17603, 17615,	17603, 17615,
\ttl@midlongest	14456, 14699,	17635, 17636,	17635, 17636,
\ttl@outnoblock	14822, 14880,	17639, 17657, 17658	17639, 17657, 17658
\ttl@savel@chapter	15286, 15797,		
\ttl@savel@part	16472, 17231,		
\ttlh@hang	17237, 17242,		
\turn	17249, 17254, 17259		
\turnbox	\twocolumnfootnotes		
..... 15127	8184		
\tw@	\twocolumnfootstyle		
..... 567,	..... 8279		
575, 1588, 1596,	\TX@		
1630, 1634, 1639,	..... 16991,		
2216, 2809, 8327,	16992, 17020, 17021		
8332, 9985, 9986,	\TX@align		
10666, 10670,	.. 17044, 17046		
10671, 10685,	\TX@arith		
10689, 10694,	..... 17006		
10697, 10708,	\TX@ckpt		
10712, 10713,	.. 16996, 17042		
10714, 10715,	\TX@col@width		
10718, 10829,	. 16993,		
10831, 10832,	16999, 17004, 17047		
10834, 10835,	\TX@cols		
10838, 10840,	.....	
10841, 10875,	17000, 17004, 17048		
10877, 10878,	\TX@endtabularx		
10880, 10881,	11410,		
10884, 10886,	11421, 11427, 16989		
10887, 11961,	\TX@find@endtabularxa		
13321, 13328,	..... 16991, 16992		
13329, 13337,	\TX@find@endtabularxb		
13338, 13343,	..... 17021		
13344, 13357,	\TX@find@endtabularxbb		
13358, 13365,	..... 17019		
13366, 13382,	\TX@ftn		
13387, 13944,	. 17016, 17051,		
13945, 15178,	17053, 17055,		
15689, 16236,	17058, 17060, 17062		
16364, 16869,	\TX@ftntext		
	..... 17010		
	\TX@LTRftntext		
		
	..... 17011, 17050		
	\TX@newcol		
	..... 16993		
	\TX@old@table		
	... 16998		
	\TX@RTLftntext		
		
	..... 17012, 17057		
	\TX@target		
	. 16999, 17013		

U

\uc@authornothanks	..... 972,
	1001, 1006, 1223,
	1252, 1257, 1472,
	1501, 1506, 5875,
	6051, 14264,
	14293, 14298,
	14403, 14434, 14439
\uc@ax	..... 1002,
	1003, 1253, 1254,
	1502, 1503, 14294,
	14295, 14435, 14436
\uc@nothanks	... 963,
	1000, 1001, 1010,
	1214, 1251, 1252,
	1261, 1463, 1500,
	1501, 1510, 5866,
	6042, 14255,
	14292, 14293,
	14302, 14394,
	14433, 14434, 14443
\uc@tx	... 1000, 1008,
	1251, 1259, 1500,
	1508, 14292,
	14300, 14433, 14441
\uc@ty	..... 1009,
	1010, 1260, 1261,



1509, 1510, 14301,	<code>\unrestored@protected@xdef</code>	8244, 8256, 8269,
14302, 14442, 14443	..... 2160,	8309, 8390,
<code>\undefined</code> 3503, 5588,	2168, 2176, 4733,	8401, 8413, 8451,
5641, 5644, 5646,	4762, 4791, 5614,	8535, 8547, 8560,
15538, 15540,	5621, 5628, 10411,	8600, 8684, 8696,
15542, 16105,	10420, 10569,	8709, 8749, 8833,
16107, 16109,	10584, 11291,	8845, 8858, 8898,
16737, 16739, 16741	11302, 11313, 11324	8982, 8994, 9007,
<code>\underline</code> 18400, 18408	<code>\unsetfootnoteRL</code> ..	9047, 9131, 9143,
<code>\undertext</code> 18408	..... 10426, 10427	9156, 9196, 9280,
<code>\unexpanded</code>	<code>\unsetLTR</code> .. 13926, 18186	9292, 9305, 9345,
... 2836, 2845,	<code>\unsetRL</code> ... 13951, 18217	9429, 9441, 9454,
2846, 2853, 2854,	<code>\unsetRTL</code> .. 13925, 18185	9494, 9519, 9631,
2867, 2868, 2875,	<code>\unskip</code>	9645, 9659, 9708,
2876, 2977, 3098	45,	9727, 9734, 9758,
<code>\unhbox</code>	58, 73, 254, 267,	9766, 9772, 9778,
1704,	281, 338, 539,	10490, 10503,
5461, 5726, 6454,	1656, 1657, 1658,	10516, 10552,
9521, 9545, 9555,	4045, 4048, 4051,	10557, 10660,
9558, 9729, 9731,	4054, 4741, 4770,	10670, 10697,
9736, 9738,	4799, 5488, 5499,	12449, 12467,
18318, 18453,	6358, 6851, 6863,	13082, 13084,
18454, 18455, 18456	6874, 6876, 6880,	13092, 13110,
<code>\unhcopy</code>	6884, 8142, 9522,	13112, 13164,
16889, 16901, 16979	9523, 10547,	13166, 13174,
<code>\unitindent</code> ... 848,	12443, 12446,	13192, 13194,
859, 860, 862,	15111, 15121,	13246, 13805,
935, 941, 1085,	15139, 15535,	13809, 13814,
1086, 1088, 1154,	15556, 15561,	13818, 13830,
1155, 1157, 1158,	15570, 16102,	13841, 13861,
1170, 1175, 1268,	16123, 16128,	13864, 13869, 18318
1340, 1341, 1343,	16137, 16734,	<code>\unvcopy</code> 6846, 7283, 7340
1405, 1414, 1420,	16755, 16760,	<code>\uppercase</code> . 310, 980,
5752, 5753, 5755,	16769, 18333, 18657	1000, 1231, 1251,
5829, 5835, 5928,	<code>\unvbox</code>	1480, 1500, 5883,
5929, 5931, 5982,	2283,	6059, 14272,
5988, 14134,	2308, 2313, 2322,	14292, 14411, 14433
14145, 14146,	2325, 6372, 6373,	<code>\uppercasenonmath</code> . 110
14148, 14199,	6619, 6622, 6639,	<code>\uppermargin</code> 7403
14205, 14516,	6643, 6678, 6721,	<code>\uppertitleback</code> ...
14517, 14519,	6778, 6786, 6787,	15320, 15831, 16506
14583, 14620, 14626	6796, 6874, 6876,	<code>\upshape</code> 4918,
<code>\unitlength</code>	6880, 6883, 6889,	4925, 4932,
6518, 6528, 6541,	6893, 6942, 6950,	4939, 4946, 7074,
6551, 6564, 6574,	6951, 6960, 7008,	7078, 7079, 7166,
6587, 6597, 13607	7239, 7242, 7243,	7171, 7172, 14003
<code>\unkern</code>	7260, 7263, 7264,	<code>\urlstyle</code>
4653	7289, 7296, 7301,	2392
<code>\unpenalty</code>	7306, 7346, 7351,	<code>\usebox</code>
6361, 6851, 6863,	7355, 7360, 8028,	2028,
6874, 6880, 9524,	8041, 8054, 8115,	2038, 3892, 4018,
9542, 9552, 10697	8147, 8153, 8183,	4020, 4025, 4027,



4036, 4037, 4040,	15349, 15385,	\varrefitemiii 16260,
4041, 4248, 7509,	15386, 15421,	16306, 16307, 16310
7512, 7520, 7527,	15422, 15703,	\varrefitemnamei 16296
7535, 7542, 7585,	15710, 15747,	\varrefitemnameii 16302
10981, 10985,	15860, 15896,	\varrefitemnameiii 16308
11068, 11070,	15897, 15923,	\varyourmail .. 16254,
11074, 11076,	15924, 15954,	16270, 16271, 16274
11081, 11083,	15955, 16378,	\varyourref .. 16253,
11087, 11089,	16385, 16422,	16264, 16265, 16268
11093, 11095,	16535, 16571,	\vbadness 8172,
11099, 11101,	16572, 16602, 16603	8176, 10016,
11107, 11108,	\usepackage 10048, 10149, 13757	
11111, 11112, 11116,	.... 3421, 3422,	\vbox 175, 308, 610, 616,
11117, 11120,	3427, 3428, 3431,	1624, 1691, 2240,
11121, 11124,	3434, 3479, 3480	2308, 2313, 2316,
11125, 11128,		2321, 2322, 2325,
11129, 11143,	V	4275, 4276, 4278,
11144, 11146,	\v@aaa ... 6739, 6741,	5448, 6366, 6371,
11147, 11159,	6742, 6743, 6745,	6441, 6619, 6622,
11160, 11162,	6747, 6748, 6749,	6639, 6643, 6654,
11163, 11169,	6750, 6905, 6907,	6664, 6676, 6690,
11170, 11173,	6909, 6911, 6912,	6703, 6719, 6740,
11174, 11178,	6917, 6918, 6920,	6746, 6751, 6754,
11179, 11182,	6923, 6924, 6927	6760, 6763, 6768,
11183, 11186,	\v@ccc 6740,	6773, 6777, 6785,
11187, 11190,	6746, 6748, 6749,	6795, 6846, 6874,
11191, 11198,	6750, 6751, 6760,	6876, 6879, 6888,
11200, 11204,	6768, 6906,	6906, 6918, 6930,
11206, 11211,	6918, 6919, 6923,	6931, 6933, 6937,
11213, 11217,	6926, 6930, 6933	6941, 6949, 6959,
11219, 11223,	\vadjust 5464, 5465, 5472	7007, 7013, 7231,
11225, 11229,	\valign 8173, 8177	7239, 7240, 7248,
11231, 11244,	\value 4534,	7252, 7260, 7261,
11246, 11970,	4553, 4572,	7269, 7283, 7288,
11972, 13603,	4604, 10263,	7292, 7295, 7299,
13604, 13606,	10278, 10279,	7300, 7317, 7324,
13613, 13631,	10282, 10283,	7340, 7345, 7349,
13876, 13877, 18137	10286, 11646,	7350, 7353, 7354,
\usecounter 87, 296,	11651, 15525,	7369, 7376, 8027,
790, 924, 1186,	16092, 16724, 16995	8040, 8053, 8113,
1435, 2568, 5033,	\varcustomer .. 16256,	8243, 8255, 8268,
5818, 6005, 6313,	16282, 16283, 16286	8308, 8389, 8400,
7654, 7924, 9862,	\varinvoice .. 16257,	8412, 8450, 8534,
14216, 14609,	16288, 16289, 16292	8546, 8559, 8599,
14802, 15004,	\varmyref ... 16255,	8683, 8695, 8708,
15469, 15474,	16276, 16277, 16280	8748, 8832, 8844,
16036, 16041,	\varrefitemi .. 16258,	8857, 8897, 8981,
16668, 16673, 17204	16294, 16295, 16298	8993, 9006, 9046,
\usekomafont .. 15192,	\varrefitemii . 16259,	9130, 9142, 9155,
15199, 15236,	16300, 16301, 16304	9195, 9279, 9291,



9304, 9344, 9428,	<code>\vboxR</code> 13903, 18163	<code>\vrule</code> 599, 1703, 4277,
9440, 9453, 9493,	<code>\vcenter</code>	4278, 5447, 5449,
9519, 9587, 9599,	610, 1688, 6438,	6453, 6656, 6695,
9611, 9629, 9637,	16981, 18237,	6758, 6770, 6935,
9643, 9651, 9657,	18315, 18316, 18421	10032, 10067,
9665, 9700, 9707,	<code>\veqno</code> 329, 330	10776, 10795,
9714, 9755, 9763,	<code>\verb</code> 16994	12362, 12398,
9776, 10030,	<code>\VerbBox</code> 7566, 7568	12544, 12804,
10063, 10150,	<code>\verse@i</code> . 5478, 5509,	12889, 13086,
10155, 10178,	5515, 5523, 5564	13093, 13118,
10191, 10205,	<code>\verse@ii</code> 5489,	13168, 13175,
10489, 10502,	5510, 5516, 5518,	13201, 13228,
10515, 10533,	5524, 5526, 5564	13341, 13352,
10657, 10670,	<code>\versewidth</code>	16905, 16934,
10694, 10773,	. . . . . 5441, 5451, 5543	16976, 18424,
10793, 12371,	<code>\vfil</code> 632, 646, 839,	18480, 18502, 18649
12411, 12449,	842, 957, 986,	<code>\vsize</code> . . . 2300, 2320,
12812, 12974,	1145, 1148, 1208,	2328, 6816, 6981,
13076, 13081,	1237, 1396, 1399,	10170, 10622, 10673
13083, 13091,	1457, 1486, 5448,	<code>\vskip</code> 311, 314,
13109, 13114,	5805, 5808, 5860,	633, 636, 642,
13158, 13163,	5889, 5992, 5995,	701, 707, 713,
13165, 13173,	6036, 6065, 6138,	717, 779, 857,
13191, 13196,	6152, 7239, 7260,	958, 967, 977,
13224, 13791,	7677, 7691, 7772,	1048, 1052, 1058,
13792, 13805,	7786, 9877, 9891,	1062, 1083, 1209,
13809, 13814,	14125, 14128,	1218, 1228, 1299,
13818, 13830,	14249, 14278,	1303, 1309, 1313,
13841, 13856,	14388, 14417,	1338, 1458, 1467,
13858, 13860,	14574, 14577,	1477, 1548, 1553,
13863, 13868,	14652, 14666,	1559, 1563, 1569,
13903, 13910,	14838, 14852, 18703	1572, 2255, 5504,
13911, 13918,	<code>\vfill</code> 5228, 8173, 8177,	5531, 5567, 5568,
14014, 15552,	13856, 13861,	5574, 5578, 5580,
16119, 16751,	13862, 15036,	5691, 5693, 5750,
16946, 16981,	15051, 15083,	5789, 5861, 5870,
16986, 17737,	15100, 15228,	5880, 5926, 5965,
17740, 17745,	15250, 15255,	6037, 6046, 6056,
17749, 17753,	15261, 15739,	6087, 6092, 6096,
17757, 17761,	15761, 15766,	6098, 6104, 6108,
17765, 17769,	15772, 16414,	6110, 6139, 6142,
17773, 18163,	16436, 16441, 16447	6148, 6207, 6213,
18170, 18171,	<code>\vfuzz</code> . 4502, 4505, 4506	6219, 6223, 6243,
18178, 18308,	<code>\vleftskip</code> . 12942, 12943	6282, 6287, 6295,
18313, 18421,	<code>\voffset</code> 1905	6677, 6720, 6780,
18438, 18478,	<code>\voidb@x</code> 6339	6781, 6789, 6790,
18497, 18635,	<code>\vphantom</code> 17900	6799, 6800, 6881,
18671, 18701, 18702	<code>\vpic</code> . 13781, 13791, 13792	6944, 6945, 6953,
<code>\vboxL</code> 13911,	<code>\vrightskip</code> 12942, 12943	6954, 6963, 6964,
15026, 15071, 18171		7304, 7358, 7635,



7643, 7678, 7681,	14985,	14993,	17957,	17961,
7687, 7742, 7746,	15191,	15198,	17980,	18342,
7752, 7756, 7773,	15232,	15235,	18351,	18360,
7776, 7782, 7841,	15237,	15243,	18369,	18459,
7847, 7853, 7857,	15245,	15247,	18635,	18700,
7892, 7897, 7906,	15263,	15341,	18711, 18726, 18734	
8134, 8144, 8156,	15345,	15348,	\vspace 2492,	
9741, 9745, 9759,	15350,	15357,	3885,	3969,
9767, 9768, 9813,	15359,	15362,	3977, 4595, 4599,	
9831, 9835, 9843,	15367,	15508,	4661, 4665, 4678,	
9878, 9881, 9887,	15513,	15597,	4682, 4695, 4699,	
9942, 9946, 9952,	15599,	15603,	4816, 4825, 4834,	
9956,	15605,	15616,	4915, 4922, 4929,	
10192,	15618,	15626,	4936, 4943, 5226,	
10549,	15628,	15702,	5270, 5274, 6081,	
10696,	15709,	15743,	6101, 6276, 6290,	
11938,	15746,	15748,	7886, 7901, 7945,	
11992,	15754,	15756,	7947, 7949, 9826,	
12389,	15758,	15774,	9838,	11851,
12968,	15852,	15856,	11853,	12431,
12973,	15859,	15861,	12444,	14976,
13023,	15868,	15870,	14988,	16319,
13084,	15873,	15878,	16322,	16324,
13087,	15940,	16075,	16329,	17231,
13111,	16080,	16164,	17237,	17242,
13167,	16166,	16170,	17249, 17254, 17259	
13176,	16172,	16183,	\vsplit . . 6614, 6615,	
13235,	16185,	16193,	6632, 6636, 6741,	
13266,	16195,	16261,	6747, 6752, 6907,	
13290,	16262,	16377,	6909, 6918, 6930,	
13773,	16384,	16418,	7010, 8182, 10017,	
13860,	16421,	16423,	10049,	10666,
14182,	16429,	16431,	13762,	13765,
14259,	16433,	16449,	13784,	13785,
14340,	16527,	16531,	13803,	13807,
14350,	16534,	16536,	13812,	13816,
14389,	16543,	16545,	13828, 13839, 13866	
14408,	16548,	16553,	\vss 308,	
14490,	16588,	16707,	2313, 2325, 6667,	
14500,	16712,	16796,	6706, 6741, 6747,	
14509,	16798,	16802,	6752, 6760, 6763,	
14553,	16804,	16815,	6768, 6773, 6908,	
14656,	16817,	16825,	6918, 6930, 6933,	
14726,	16827,	17323,	6937, 7011, 7296,	
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14919,	17488,	17523,	\vtop 176,	
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1690, 4336, 4380, 4424, 6372, 6440, 12353, 16946, 16981, 16986, 18314, 18421, 18438, 18550, 18594		16273, 16279, 16285, 16291, 16297, 16303, 16309, 16315, 16749, 16885, 17045, 17096, 17133, 17150, 17991, 18035, 18209, 18396, 18728				
	W					
\waslice 13791, 13809, 13814, 13830, 13849, 13850, 13859		\WF@everypar 17954 \WF@adjlw . . 17994, 18019 \WF@adjtlm . 18016, 18019 \WF@box 17991, 18024, 18025 \WF@floatfalse 17957, 17965, 17975, 17978 \WF@fltmes 17984 \WF@info 17964, 17974, 17977, 17986, 18021, 18023 \WF@ovh 17991 \WF@place . . 17989, 17995 \WF@putfigmaybe . . 17955 \WF@size . . 17968, 18022 \WF@startwrapping 18027 \WF@wfname 17986, 18021, 18023 \WF@wrapil . 18015, 18018 \whiledo 10154 \widowpenalty 88, 297, 796, 927, 1189, 1438, 2571, 5552, 5821, 6008, 6319, 7657, 7930, 9865, 13507, 14219, 14612, 14808, 15010, 15479, 16046, 16678, 17210 \WIDTH 17096, 17104 \width . . 10616, 10906, 10908, 12849, 12862, 12864, 12888 \widthof 7434, 7439 \windowbox 13858, 13864 \wlog 6742, 6748, 6750, 6911, 6919, 6926 \write 2286, 3652, 5437, 5440, 5651, 17033 \wstrutbox . 13768, 13770				
				X		
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Y

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Z

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8376, 8521, 8670,
8819, 8968, 9117,
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9617, 9621, 9625,
9721, 9742, 9743,
9744, 9801, 9816,
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14533,	14556,	16885,	16889,	18372,	18373,
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14599,	14651,	16960,	16972,	\zap@space	444,



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\zifrefundefined 10300, 10321	
. 10295, 10318	\zref@labelbyprops	

9 Change History

v13.9		lot, lof, etc with multicol pack-
General: Added implementaion of the	|	age. 298
package.	o	
v14.2	|	v14.3
General: Fixed the wrong order of toc,	|	General: Removed \leavevmode to
	|	avoid extra \par. 140

