

The `texvc` package*

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Abstract

This package provides all LaTeX command available in MediaWiki. This includes several packages like `amsmath`, and adds some specific commands such as `\Reals`.

1 Introduction

1.1 Arrows

The first group of MediaWiki custom command (`other_delimiters2`) defines short hand notations for some arrows.

<code>\darr</code>	Short hand notation for arrow \downarrow .
<code>\dArr</code>	Short hand notation for arrow \Downarrow .
<code>\Darr</code>	Short hand notation for arrow \Downarrow .
<code>\lang</code>	Short hand notation for arrow \langle .
<code>\rang</code>	Short hand notation for arrow \rangle .
<code>\uarr</code>	Short hand notation for arrow \uparrow .
<code>\uArr</code>	Short hand notation for arrow \Uparrow .
<code>\Uarr</code>	Short hand notation for arrow \Uparrow .

1.2 Literals

The second group of MediaWiki custom commands (`other_litereals3`) defines short hand notations for some literals.

<code>\C</code>	Short hand notation for literal \mathbb{C} .
<code>\H</code>	Short hand notation for literal \mathbb{H} .
<code>\N</code>	Short hand notation for literal \mathbb{N} .
<code>\Q</code>	Short hand notation for literal \mathbb{Q} .
<code>\R</code>	Short hand notation for literal \mathbb{R} .
<code>\Z</code>	Short hand notation for literal \mathbb{Z} .
<code>\alef</code>	Short hand notation for literal \aleph .
<code>\alefsym</code>	Short hand notation for literal \aleph .

*This document corresponds to `texvc` v1.0, dated 2015/11/09.

<code>\Alpha</code>	Short hand notation for literal A.
<code>\and</code>	Short hand notation for literal \wedge .
<code>\ang</code>	Short hand notation for literal \sphericalangle .
<code>\Beta</code>	Short hand notation for literal B.
<code>\bull</code>	Short hand notation for literal \bullet .
<code>\Chi</code>	Short hand notation for literal X.
<code>\clubs</code>	Short hand notation for literal \clubsuit .
<code>\cnums</code>	Short hand notation for literal \mathbb{C} .
<code>\Complex</code>	Short hand notation for literal \mathbb{C} .
<code>\Dagger</code>	Short hand notation for literal \dagger .
<code>\diamonds</code>	Short hand notation for literal \diamond .
<code>\Doteq</code>	Short hand notation for literal \doteq .
<code>\doublecap</code>	Short hand notation for literal \mcap .
<code>\doublecup</code>	Short hand notation for literal \mcup .
<code>\empty</code>	Short hand notation for literal \emptyset .
<code>\Epsilon</code>	Short hand notation for literal E.
<code>\Eta</code>	Short hand notation for literal H.
<code>\exist</code>	Short hand notation for literal \exists .
<code>\ge</code>	Short hand notation for literal \geq .
<code>\gggtr</code>	Short hand notation for literal \gggtr .
<code>\hAar</code>	Short hand notation for literal \Leftrightarrow .
<code>\harr</code>	Short hand notation for literal \leftrightarrow .
<code>\Harr</code>	Short hand notation for literal \Leftrightarrow .
<code>\hearts</code>	Short hand notation for literal \heartsuit .
<code>\image</code>	Short hand notation for literal \Im .
<code>\infin</code>	Short hand notation for literal ∞ .
<code>\Iota</code>	Short hand notation for literal I.
<code>\isin</code>	Short hand notation for literal \in .
<code>\Kappa</code>	Short hand notation for literal K.
<code>\larr</code>	Short hand notation for literal \leftarrow .
<code>\Larr</code>	Short hand notation for literal \Leftarrow .
<code>\lArr</code>	Short hand notation for literal \Leftarrow .
<code>\le</code>	Short hand notation for literal \leq .
<code>\lrarr</code>	Short hand notation for literal \leftrightarrow .
<code>\Lrarr</code>	Short hand notation for literal \Leftrightarrow .
<code>\lrArr</code>	Short hand notation for literal \Leftrightarrow .
<code>\Mu</code>	Short hand notation for literal M.
<code>\natnums</code>	Short hand notation for literal \mathbb{N} .
<code>\ne</code>	Short hand notation for literal \neq .
<code>\Nu</code>	Short hand notation for literal N.
<code>\O</code>	Short hand notation for literal \emptyset .
<code>\omicron</code>	Short hand notation for literal o.
<code>\Omicron</code>	Short hand notation for literal O.
<code>\or</code>	Short hand notation for literal \vee .
<code>\part</code>	Short hand notation for literal ∂ .
<code>\plusmn</code>	Short hand notation for literal \pm .

<code>\rarr</code>	Short hand notation for literal \rightarrow .
<code>\Rarr</code>	Short hand notation for literal \Rightarrow .
<code>\rArr</code>	Short hand notation for literal \Rightarrow .
<code>\real</code>	Short hand notation for literal \Re .
<code>\reals</code>	Short hand notation for literal \mathbb{R} .
<code>\Reals</code>	Short hand notation for literal \mathbb{R} .
<code>\restriction</code>	Short hand notation for literal \upharpoonright .
<code>\Rho</code>	Short hand notation for literal \mathbb{P} .
<code>\sdot</code>	Short hand notation for literal \cdot .
<code>\sect</code>	Short hand notation for literal \S .
<code>\spades</code>	Short hand notation for literal \spadesuit .
<code>\sub</code>	Short hand notation for literal \subset .
<code>\sube</code>	Short hand notation for literal \subseteq .
<code>\supe</code>	Short hand notation for literal \supseteq .
<code>\Tau</code>	Short hand notation for literal \mathbb{T} .
<code>\thetasym</code>	Short hand notation for literal ϑ .
<code>\varcoppa</code>	Short hand notation for literal coppa .
<code>\weierp</code>	Short hand notation for literal \wp .
<code>\Zeta</code>	Short hand notation for literal \mathbb{Z} .

2 Implementation

<code>\darr</code>	This macro does the following replacement. <code>1 \newcommand{\darr}{\downarrow}</code>
<code>\dArr</code>	This macro does the following replacement. <code>2 \newcommand{\dArr}{\Downarrow}</code>
<code>\Darr</code>	This macro does the following replacement. <code>3 \newcommand{\Darr}{\Downarrow}</code>
<code>\lang</code>	This macro does the following replacement. <code>4 \newcommand{\lang}{\langle}</code>
<code>\rang</code>	This macro does the following replacement. <code>5 \newcommand{\rang}{\rangle}</code>
<code>\uarr</code>	This macro does the following replacement. <code>6 \newcommand{\uarr}{\uparrow}</code>
<code>\uArr</code>	This macro does the following replacement. <code>7 \newcommand{\uArr}{\Uparrow}</code>
<code>\Uarr</code>	This macro does the following replacement. <code>8 \newcommand{\Uarr}{\Uparrow}</code>

`\C` This macro does the following replacement.
9 `\newcommand{\C}{\mathbb{C}}`

`\H` This macro does the following replacement.
10 `\renewcommand{\H}{\mathbb{H}}`

`\N` This macro does the following replacement.
11 `\newcommand{\N}{\mathbb{N}}`

`\Q` This macro does the following replacement.
12 `\newcommand{\Q}{\mathbb{Q}}`

`\R` This macro does the following replacement.
13 `\newcommand{\R}{\mathbb{R}}`

`\Z` This macro does the following replacement.
14 `\newcommand{\Z}{\mathbb{Z}}`

`\alef` This macro does the following replacement.
15 `\newcommand{\alef}{\aleph}`

`\alefsym` This macro does the following replacement.
16 `\newcommand{\alefsym}{\aleph}`

`\Alpha` This macro does the following replacement.
17 `\newcommand{\Alpha}{\mathrm{A}}`

`\and` This macro does the following replacement.
18 `\renewcommand{\and}{\land}`

`\ang` This macro does the following replacement.
19 `\newcommand{\ang}{\angle}`

`\Beta` This macro does the following replacement.
20 `\newcommand{\Beta}{\mathrm{B}}`

`\bull` This macro does the following replacement.
21 `\newcommand{\bull}{\bullet}`

`\Chi` This macro does the following replacement.
22 `\newcommand{\Chi}{\mathrm{X}}`

`\clubs` This macro does the following replacement.
23 `\newcommand{\clubs}{\clubsuit}`

`\cnms` This macro does the following replacement.
24 `\newcommand{\cnms}{\mathbb{C}}`

<code>\Complex</code>	This macro does the following replacement. 25 <code>\newcommand{\Complex}{\mathbb{C}}</code>
<code>\Dagger</code>	This macro does the following replacement. 26 <code>\newcommand{\Dagger}{\ddagger}</code>
<code>\diamonds</code>	This macro does the following replacement. 27 <code>\newcommand{\diamonds}{\diamondsuit}</code>
<code>\Doteq</code>	This macro does the following replacement. 28 <code>\renewcommand{\Doteq}{\doteqdot}</code>
<code>\doublecap</code>	This macro does the following replacement. 29 <code>\renewcommand{\doublecap}{\Cap}</code>
<code>\doublecup</code>	This macro does the following replacement. 30 <code>\renewcommand{\doublecup}{\Cup}</code>
<code>\empty</code>	This macro does the following replacement. 31 <code>\renewcommand{\empty}{\emptyset}</code>
<code>\Epsilon</code>	This macro does the following replacement. 32 <code>\newcommand{\Epsilon}{\mathrm{E}}</code>
<code>\Eta</code>	This macro does the following replacement. 33 <code>\newcommand{\Eta}{\mathrm{H}}</code>
<code>\exist</code>	This macro does the following replacement. 34 <code>\newcommand{\exist}{\exists}</code>
<code>\ge</code>	This macro does the following replacement. 35 <code>\renewcommand{\ge}{\geq}</code>
<code>\gggtr</code>	This macro does the following replacement. 36 <code>\renewcommand{\gggtr}{\ggg}</code>
<code>\hAar</code>	This macro does the following replacement. 37 <code>\newcommand{\hAar}{\Leftrightarrow}</code>
<code>\harr</code>	This macro does the following replacement. 38 <code>\newcommand{\harr}{\leftarrow}</code>
<code>\Harr</code>	This macro does the following replacement. 39 <code>\newcommand{\Harr}{\Leftrightarrow}</code>
<code>\hearts</code>	This macro does the following replacement. 40 <code>\newcommand{\hearts}{\heartsuit}</code>

`\image` This macro does the following replacement.
41 `\newcommand{\image}{\Im}`

`\infin` This macro does the following replacement.
42 `\newcommand{\infin}{\infty}`

`\Iota` This macro does the following replacement.
43 `\newcommand{\Iota}{\mathrm{I}}`

`\isin` This macro does the following replacement.
44 `\newcommand{\isin}{\in}`

`\Kappa` This macro does the following replacement.
45 `\newcommand{\Kappa}{\mathrm{K}}`

`\larr` This macro does the following replacement.
46 `\newcommand{\larr}{\leftarrow}`

`\Larr` This macro does the following replacement.
47 `\newcommand{\Larr}{\Leftarrow}`

`\lArr` This macro does the following replacement.
48 `\newcommand{\lArr}{\Leftarrow}`

`\le` This macro does the following replacement.
49 `\renewcommand{\le}{\leq}`

`\lrarr` This macro does the following replacement.
50 `\newcommand{\lrr}{\leftrightarrow}`

`\Lrarr` This macro does the following replacement.
51 `\newcommand{\Lrarr}{\Leftrightarrow}`

`\lrArr` This macro does the following replacement.
52 `\newcommand{\lrArr}{\Leftrightarrow}`

`\Mu` This macro does the following replacement.
53 `\newcommand{\Mu}{\mathrm{M}}`

`\natnums` This macro does the following replacement.
54 `\newcommand{\natnums}{\mathbb{N}}`

`\ne` This macro does the following replacement.
55 `\renewcommand{\ne}{\neq}`

`\Nu` This macro does the following replacement.
56 `\newcommand{\Nu}{\mathrm{N}}`

`\O` This macro does the following replacement.
57 `\renewcommand{\O}{\emptyset}`

`\Omicron` This macro does the following replacement.
58 `\newcommand{\Omicron}{\mathrm{o}}`

`\Omicron` This macro does the following replacement.
59 `\newcommand{\Omicron}{\mathrm{O}}`

`\orMediaWiki` This macro does the following replacement.
60 `\newcommand{\orMediaWiki}{\lor}`

`\part` This macro does the following replacement.
61 `\renewcommand{\part}{\partial}`

`\plusmn` This macro does the following replacement.
62 `\newcommand{\plusmn}{\pm}`

`\rarr` This macro does the following replacement.
63 `\newcommand{\rarr}{\rightarrow}`

`\Rarr` This macro does the following replacement.
64 `\newcommand{\Rarr}{\Rightarrow}`

`\rArr` This macro does the following replacement.
65 `\newcommand{\rArr}{\Rightarrow}`

`\real` This macro does the following replacement.
66 `\newcommand{\real}{\Re}`

`\reals` This macro does the following replacement.
67 `\newcommand{\reals}{\mathbb{R}}`

`\Reals` This macro does the following replacement.
68 `\newcommand{\Reals}{\mathbb{R}}`

`\restriction` This macro does the following replacement.
69 `\renewcommand{\restriction}{\upharpoonright}`

`\Rho` This macro does the following replacement.
70 `\newcommand{\Rho}{\mathrm{P}}`

`\sdot` This macro does the following replacement.
71 `\newcommand{\sdot}{\cdot}`

`\sect` This macro does the following replacement.
72 `\newcommand{\sect}{\S}`

`\spades` This macro does the following replacement.
73 `\newcommand{\spades}{\spadesuit}`

`\sub` This macro does the following replacement.
74 `\newcommand{\sub}{\subset}`

`\sube` This macro does the following replacement.
75 `\newcommand{\sube}{\subseteq}`

`\supe` This macro does the following replacement.
76 `\newcommand{\supe}{\supseteq}`

`\Tau` This macro does the following replacement.
77 `\newcommand{\Tau}{\mathrm{T}}`

`\thetasym` This macro does the following replacement.
78 `\newcommand{\thetasym}{\vartheta}`

`\varcoppa` This macro does the following replacement.
79 `\newcommand{\varcoppa}{\mbox{\coppa}}`

`\weierp` This macro does the following replacement.
80 `\newcommand{\weierp}{\wp}`

`\Zeta` This macro does the following replacement.
81 `\newcommand{\Zeta}{\mathrm{Z}}`