Every symbol (most symbols) defined by unicode-math

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This document uses the file `unicode-math-table.tex` to print every symbol defined by the unicode-math package. Use this document to find the command name or the Unicode glyph slot for a symbol that you wish to use. Eight fonts are shown: (with approximate symbol counts)

M Latin Modern Math (1580)

X XITS Math (2429)

S STIX Math (2398)

C Cambria Math (1592)

A Asana Math (2249)

P TeX Gyre Pagella Math (1604)

E Neo Euler (411)

Symbols defined in Plain TeX are indicated with [(p)] after their macro name. LaTeX follows Plain TeX, but defines a handful more, indicated with [(l)] Symbols defined in amssymb are indicated with [(a)].

Contents

1 Opening symbols, \mathopen

USV	M	X	S	C	A	P	E	Macro	Description
U+00028	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace$^{(p)}$	left curly bracket
U+0221A	√	√	√	√	√	√	√	\sqrt$^{(p)}$	radical
U+0221B		$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$			\cuberoot	cube root
U+0221C		$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$			\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil$^{(p)}$	left ceiling
U+0230A	⌊	⌊	⌊	⌊	⌊	⌊	⌊	\lfloor$^{(p)}$	left floor
U+0231C	⌜	⌜	⌜		⌜	⌜		\ulcorner	upper left corner
U+0231E	⌞	⌞	⌞		⌞	⌞		\llcorner	lower left corner
U+023B0		⌠		⌠				\lmoustache$^{(p)}$	upper left or lower right curly bracket section
U+02772		❲	❲					\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⟅	⟅	⟅				\lbag	left s-shaped bag delimiter
U+027CC		⟌	⟌					\longdivision	long division
U+027E6	⟦	⟦	⟦	⟦	⟦	⟦		\lBrack	mathematical left white square bracket
U+027E8	⟨	⟨	⟨	⟨	⟨	⟨		\langle$^{(p)}$	mathematical left angle bracket
U+027EA	⟪	⟪	⟪	⟪	⟪	⟪		\lAngle	mathematical left double angle bracket
U+027EC	⟬	⟬		⟬				\Lbrbrak	mathematical left white tortoise shell bracket
U+027EE	⟮	⟮	⟮		⟮	⟮		\lgroup$^{(p)}$	mathematical left flattened parenthesis
U+02983	⦃	⦃		⦃				\lBrace	left white curly bracket
U+02985	⦅	⦅		⦅				\lParen	left white parenthesis
U+02987	⦇	⦇		⦇				\llparenthesis	z notation left image bracket
U+02989	⦉	⦉		⦉				\llangle	z notation left binding bracket
U+0298B	⦋	⦋		⦋				\lbrackubar	left square bracket with underbar
U+0298D	⦍	⦍		⦍				\lbrackultick	left square bracket with tick in top corner
U+0298F	⦏	⦏		⦏				\lbracklltick	left square bracket with tick in bottom corner
U+02991	⦑	⦑		⦑				\langledot	left angle bracket with dot
U+02993	⦓	⦓		⦓				\lparenless	left arc less-than bracket
U+02995	⦕	⦕		⦕				\Lparengtr	double left arc greater-than bracket
U+02997	⦗	⦗		⦗				\lblkbrbrak	left black tortoise shell bracket
U+029D8	⧘	⧘		⧘				\lvzigzag	left wiggly fence
U+029DA	⧚	⧚		⧚				\Lvzigzag	left double wiggly fence
U+029FC	⧼	⧼	⧼	⧼				\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

USV	M	X	S	C	A	P	E	Macro	Description
U+00029	)	)	)	)	)	)	)	\rparen	right parenthesis
U+0005D	]	]	]	]	]	]	]	\rbrack	right square bracket
U+0007D	}	}	}	}	}	}	}	\rbrace^(p)	right curly bracket
U+02309	⌉	⌉	⌉	⌉	⌉	⌉	⌉	\rceil^(p)	right ceiling
U+0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rfloor^(p)	right floor
U+0231D	⌝	⌝	⌝		⌝	⌝		\urcorner	upper right corner
U+0231F	⌟	⌟	⌟		⌟	⌟		\lrcorner	lower right corner
U+023B1		⎱		⎱				\rmoustache^(p)	upper right or lower left curly bracket section
U+02773		❳	❳					\rbrbrak	light right tortoise shell bracket ornament
U+027C6		⟆	⟆		⟆			\rbag	right s-shaped bag delimiter
U+027E7	⟧	⟧	⟧	⟧	⟧	⟧		\rBrack	mathematical right white square bracket
U+027E9	⟩	⟩	⟩	⟩	⟩	⟩		\rangle^(p)	mathematical right angle bracket
U+027EB	⟫	⟫	⟫	⟫	⟫	⟫		\rAngle	mathematical right double angle bracket
U+027ED	⟭	⟭	⟭	⟭				\Rbrbrak	mathematical right white tortoise shell bracket
U+027EF	⟯	⟯	⟯		⟯	⟯		\rgroup^(p)	mathematical right flattened parenthesis
U+02984		⦄	⦄		⦄			\rBrace	right white curly bracket
U+02986		⦆	⦆		⦆			\rParen	right white parenthesis
U+02988		⦈	⦈		⦈			\rrparenthesis	z notation right image bracket
U+0298A		⦊	⦊		⦊			\rrangle	z notation right binding bracket
U+0298C		⦌	⦌		⦌			\rbrackubar	right square bracket with underbar
U+0298E		⦎	⦎		⦎			\rbracklrtick	right square bracket with tick in bottom corner
U+02990		⦐	⦐		⦐			\rbrackurtick	right square bracket with tick in top corner
U+02992		⦒	⦒		⦒			\rangledot	right angle bracket with dot
U+02994		⦔	⦔		⦔			\rparengtr	right arc greater-than bracket
U+02996		⦖	⦖		⦖			\Rparenless	double right arc less-than bracket
U+02998		⦘	⦘		⦘			\rblkbrbrak	right black tortoise shell bracket
U+029D9		⧙	⧙		⧙			\rvzigzag	right wiggly fence
U+029DB		⧛	⧛		⧛			\Rvzigzag	right double wiggly fence
U+029FD		⧽	⧽	⧽	⧽			\rcurvyangle	right pointing curved angle bracket

3 Fence symbols, `\mathfence`

USV	M	X	S	C	A	P	E	Macro	Description
U+0007C	|	|	|	|	|	|	|	`\vert`[p]	vertical bar
U+02016	‖	‖	‖	‖	‖	‖		`\Vert`[p]	double vertical bar
U+02980	⦀	⦀			⦀			`\Vvert`	triple vertical bar delimiter

4 Punctuation symbols, `\mathpunct`

USV	M	X	S	C	A	P	E	Macro	Description
U+00021	!	!	!	!	!	!	!	`\mathexclam`	exclamation mark
U+0002C	,	,	,	,	,	,	,	`\mathcomma`	comma
U+0003A	:	:	:	:	:	:	:	`\mathcolon`	colon
U+0003B	;	;	;	;	;	;	;	`\mathsemicolon`	semicolon p:

5 'Over' symbols, `\mathover`

USV	M	X	S	C	A	P	E	Macro	Description
U+023B4	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$		`\overbracket`	top square bracket
U+023DC	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$		`\overparen`	top parenthesis (mathematical use)
U+023DE	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$		`\overbrace`[p]	top curly bracket (mathematical use)

6 'Under' symbols, `\mathunder`

USV	M	X	S	C	A	P	E	Macro	Description
U+023B5	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$		`\underbracket`	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$		`\underparen`	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$		`\underbrace`[p]	bottom curly bracket (mathematical use)

7 Accents, \mathaccent

Note that accents will only be properly placed if used with an OpenType font with the necessary information.

USV	M	X	S	C	A	P	E	Macro	Description
U+00300	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$		\grave(p)	grave accent
U+00301	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$		\acute(p)	acute accent
U+00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	⌂	\hat(p)	circumflex accent
U+00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$		\tilde(p)	tilde
U+00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$		\bar(p)	macron
U+00305	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$		\overbar	overbar embellishment
U+00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$		\breve(p)	breve
U+00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$		\dot(p)	dot above
U+00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$		\ddot(p)	dieresis
U+00309	$\overset{?}{x}$	$\overset{?}{x}$	$\overset{?}{x}$	$\overset{?}{x}$		$\overset{?}{x}$		\ovhook	combining hook above
U+0030A	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$		\ocirc	ring
U+0030C	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$		\check(p)	caron
U+00310		$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$				\candra	candrabindu (non-spacing)
U+00312		$\overset{`}{x}$	$\overset{`}{x}$	$\overset{`}{x}$				\oturnedcomma	combining turned comma above
U+00315		$\overset{'}{x}$	$\overset{'}{x}$	$\overset{'}{x}$				\ocommatopright	combining comma above right
U+0031A		$\overset{}{x}$	$\overset{}{x}$	$\overset{}{x}$				\droang	left angle above (non-spacing)
U+00338	$6\ x$	$\not{x}$	$\not{x}$	$\not{x}$	$\not{x}$	$\not{x}$		\not(p)	combining long solidus overlay
U+020D0	$\overset{\leftharpoonup}{x}$	$\overset{\leftharpoonup}{x}$	$\overset{\leftharpoonup}{x}$	$\overset{\leftharpoonup}{x}$	$\overset{\leftharpoonup}{x}$	$\overset{\leftharpoonup}{x}$		\leftharpoonaccent	combining left harpoon above
U+020D1	$\overset{\rightharpoonup}{x}$	$\overset{\rightharpoonup}{x}$	$\overset{\rightharpoonup}{x}$	$\overset{\rightharpoonup}{x}$	$\overset{\rightharpoonup}{x}$	$\overset{\rightharpoonup}{x}$		\rightharpoonaccent	combining right harpoon above
U+020D2	$\overset{\mid}{x}$	$\overset{\mid}{x}$	$\overset{\mid}{x}$	$\overset{\mid}{x}$	$\overset{\mid}{x}$	$\overset{\mid}{x}$		\vertoverlay	combining long vertical line overlay
U+020D7	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$		\vec(p)	combining right arrow above
U+020DB	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$		\dddot	combining three dots above
U+020DC	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$		\ddddot	combining four dots above
U+020E7		$\overline{x|}$	$\overline{x|}$		$\overline{x|}$			\annuity	combining annuity symbol
U+020E9	$\overset{\frown}{x}$	$\overset{\frown}{x}$	$\overset{\frown}{x}$	$\overset{\frown}{x}$	$\overset{\frown}{x}$	$\overset{\frown}{x}$		\widebridgeabove	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$			$\overset{*}{x}$		\asteraccent	combining asterisk above

8 Bottom accents, \mathbotaccent

USV	M	X	S	C	A	P	E	Macro	Description
U+020E8	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$		\threeunderdot	combining triple underdot

9 Big operators, `\mathop`

Of the operators shown below, a subset need to be flagged by unicode-math for `\nolimits` adjustments.
The limits behaviour as specified by unicode-math are shown with grey subscripts and superscripts.

usv	M	X	S	C	A	P	E	Macro	Description
U+02140	Σ_0^1	Σ_0^1	Σ_0^1	Σ_0^1	Σ_0^1	Σ_0^1		`\Bbbsum`	double-struck n-ary summation
U+0220F	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	`\prod`$^{(p)}$	product operator
U+02210	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	`\coprod`$^{(p)}$	coproduct operator
U+02211	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	`\sum`$^{(p)}$	summation operator
U+0222B	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	`\int`$^{(p)}$	integral operator
U+0222C	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$		`\iint`	double integral operator
U+0222D	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$		`\iiint`	triple integral operator
U+0222E	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	`\oint`$^{(p)}$	contour integral operator
U+0222F	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$		`\oiint`	double contour integral operator
U+02230	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$		`\oiiint`	triple contour integral operator
U+02231	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$		`\intclockwise`	clockwise integral
U+02232	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$		`\varointclockwise`	contour integral, clockwise
U+02233	$\ointctrclockwise_0^1$	$\ointctrclockwise_0^1$	$\ointctrclockwise_0^1$	$\ointctrclockwise_0^1$	$\ointctrclockwise_0^1$	$\ointctrclockwise_0^1$		`\ointctrclockwise`	contour integral, anticlockwise
U+022C0	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$		`\bigwedge`$^{(p)}$	logical or operator
U+022C1	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$		`\bigvee`$^{(p)}$	logical and operator
U+022C2	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$		`\bigcap`$^{(p)}$	intersection operator
U+022C3	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$		`\bigcup`$^{(p)}$	union operator
U+027D5		$\bowtie_0^1$	$\bowtie_0^1$		$\bowtie_0^1$			`\leftouterjoin`	left outer join

USV	M	X	S	C	A	P	E	Macro	Description
U+027D6		⋈	⋈		⋈			`\rightouterjoin`	right outer join
U+027D7		⋈	⋈		⋈			`\fullouterjoin`	full outer join
U+027D8	⊥	⊥	⊥		⊥	⊥		`\bigbot`	large up tack
U+027D9	⊤	⊤	⊤		⊤	⊤		`\bigtop`	large down tack
U+029F8		╱	╱		╱			`\xsol`	big solidus
U+029F9		╲	╲		╲			`\xbsol`	big reverse solidus
U+02A00	⨀	⨀	⨀	⨀	⨀	⨀		`\bigodot`[p]	n-ary circled dot operator
U+02A01	⨁	⨁	⨁	⨁	⨁	⨁		`\bigoplus`[p]	n-ary circled plus operator
U+02A02	⨂	⨂	⨂	⨂	⨂	⨂		`\bigotimes`[p]	n-ary circled times operator
U+02A03	⨃	⨃	⨃	⨃	⨃	⨃		`\bigcupdot`	n-ary union operator with dot
U+02A04	⨄	⨄	⨄	⨄	⨄	⨄		`\biguplus`[p]	n-ary union operator with plus
U+02A05	⨅	⨅	⨅	⨅	⨅	⨅		`\bigsqcap`	n-ary square intersection operator
U+02A06	⨆	⨆	⨆	⨆	⨆	⨆		`\bigsqcup`[p]	n-ary square union operator
U+02A07		⨇	⨇	⨇	⨇			`\conjquant`	two logical and operator
U+02A08		⨈	⨈	⨈	⨈			`\disjquant`	two logical or operator
U+02A09	⨉	⨉	⨉	⨉	⨉	⨉		`\bigtimes`	n-ary times operator
U+02A0A		⨊	⨊		⨊			`\modtwosum`	modulo two sum
U+02A0B		⨋	⨋		⨋			`\sumint`	summation with integral

USV	M	X	S	C	A	P	E	Macro	Description
U+02A0C	∭∭	∭∭	∭∭		∭∭	∭∭		\iiiint	quadruple integral operator
U+02A0D		⨍	⨍		⨍			\intbar	finite part integral
U+02A0E		⨎	⨎		⨎			\intBar	integral with double stroke
U+02A0F		⨏	⨏		⨏			\fint	integral average with slash
U+02A10		⨐	⨐		⨐			\cirfnint	circulation function
U+02A11	⨑	⨑	⨑		⨑	⨑		\awint	anticlockwise integration
U+02A12		⨒	⨒		⨒			\rppolint	line integration with rectangular path around pole
U+02A13		⨓	⨓		⨓			\scpolint	line integration with semicircular path around pole
U+02A14		⨔	⨔		⨔			\npolint	line integration not including the pole
U+02A15		⨕	⨕		⨕			\pointint	integral around a point operator
U+02A16		⨖	⨖		⨖			\sqint	quaternion integral operator
U+02A17		⨗	⨗		⨗			\intlarhk	integral with leftwards arrow with hook
U+02A18		⨘	⨘		⨘			\intx	integral with times sign
U+02A19		⨙	⨙		⨙			\intcap	integral with intersection
U+02A1A		⨚	⨚		⨚			\intcup	integral with union
U+02A1B		⨛	⨛		⨛			\upint	integral with overbar
U+02A1C		⨜	⨜		⨜			\lowint	integral with underbar
U+02A1D		⨝	⨝		⨝			\Join	join
U+02A1E		◁	◁		◁			\bigtriangleleft	large left triangle operator
U+02A1F		⨟	⨟		⨟			\zcmp	z notation schema composition
U+02A20		⨠	⨠		⨠			\zpipe	z notation schema piping
U+02A21		⨡	⨡		⨡			\zproject	z notation schema projection
U+02AFC		⫼	⫼		⫼			\biginterleave	large triple vertical bar operator

USV	M	X	S	C	A	P	E	Macro	Description
U+02AFF	▯	▯			▯			`\bigtalloblong`	n-ary white vertical bar
U+1EEF0								`\arabicmaj`	arabic mathematical operator meem with hah with tatweel
U+1EEF1								`\arabichad`	arabic mathematical operator hah with dal

10 Binary relations, `\mathbin`

USV	M	X	S	C	A	P	E	Macro	Description
U+0002B	+	+	+	+	+	+	+	`\mathplus`	plus sign b:
U+000B1	±	±	±	±	±	±	±	`\pm`[p]	plus-or-minus sign
U+000B7	·	·	·	·	·	·		`\cdotp`[p]	/centerdot b: middle dot
U+000D7	×	×	×	×	×	×		`\times`[p]	multiply sign
U+000F7	÷	÷	÷	÷	÷	÷		`\div`[p]	divide sign
U+02020	†	†	†	†	†	†		`\dagger`[p]	dagger relation
U+02021	‡	‡	‡	‡	‡	‡		`\ddagger`[p]	double dagger relation
U+02022	•	•	•	•	•	•		`\smblkcircle`	/bullet b: round bullet, filled
U+02040		⌢	⌢		⌢			`\tieconcat`	character tie, z notation sequence concatenation
U+02044	/	/	/	/	/	/	/	`\fracslash`	fraction slash
U+0214B		⅋	⅋	⅋	⅋			`\upand`	turned ampersand
U+02212	−	−	−	−	−	−	−	`\minus`	minus sign
U+02213	∓	∓	∓	∓	∓	∓	∓	`\mp`[p]	minus-or-plus sign
U+02214	∔	∔	∔	∔	∔	∔		`\dotplus`[a]	plus sign, dot above
U+02215	∕	∕	∕	∕	∕	∕	∕	`\divslash`	division slash
U+02216	∖	∖	∖	∖	∖	∖		`\smallsetminus`[a]	small set minus (cf. reverse solidus)
U+02217	∗	∗	∗	∗	∗	∗		`\ast`[p]	centered asterisk
U+02218	∘	∘	∘	∘	∘	∘		`\vysmwhtcircle`	composite function (small circle)
U+02219	∙	∙	∙	·	·	∙		`\vysmblkcircle`	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	`\wedge`[p]	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	`\vee`[p]	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩		`\cap`[p]	intersection
U+0222A	∪	∪	∪	∪	∪	∪		`\cup`[p]	union or logical sum
U+02238	∸	∸	∸	∸	∸	∸		`\dotminus`	minus sign, dot above
U+0223E	∾	∾	∾	∾	∾	∾		`\invlazys`	most positive [inverted lazy s]
U+02240	≀	≀	≀	≀	≀	≀		`\wr`[p]	wreath product
U+0228C	⊌	⊌	⊌	⊌	⊌	⊌		`\cupleftarrow`	multiset
U+0228D	⊍	⊍	⊍	⊍	⊍	⊍		`\cupdot`	union, with dot
U+0228E	⊎	⊎	⊎	⊎	⊎	⊎		`\uplus`[p]	plus sign in union
U+02293	⊓	⊓	⊓	⊓	⊓	⊓		`\sqcap`[p]	square intersection
U+02294	⊔	⊔	⊔	⊔	⊔	⊔		`\sqcup`[p]	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕		`\oplus`[p]	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖		`\ominus`[p]	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗		`\otimes`[p]	multiply sign in circle
U+02298	⊘	⊘	⊘	⊘	⊘	⊘		`\oslash`[p]	solidus in circle
U+02299	⊙	⊙	⊙	⊙	⊙	⊙		`\odot`[p]	middle dot in circle
U+0229A	⊚	⊚	⊚	⊚	⊚	⊚		`\circledcirc`[a]	small circle in circle

USV	M	X	S	C	A	P	E	Macro	Description
U+0229B	⊛	⊛	⊛	⊛	⊛	⊛		\circledast[a]	asterisk in circle
U+0229C	⊜	⊜	⊜	⊜	⊜	⊜		\circledequal	equal in circle
U+0229D	⊝	⊝	⊝	⊝	⊝	⊝		\circleddash[a]	hyphen in circle
U+0229E	⊞	⊞	⊞	⊞	⊞	⊞		\boxplus[a]	plus sign in box
U+0229F	⊟	⊟	⊟	⊟	⊟	⊟		\boxminus[a]	minus sign in box
U+022A0	⊠	⊠	⊠	⊠	⊠	⊠		\boxtimes[a]	multiply sign in box
U+022A1	⊡	⊡	⊡	⊡	⊡	⊡		\boxdot[a]	/dotsquare /boxdot b: small dot in box
U+022BA	⊺	⊺	⊺	⊺	⊺	⊺		\intercal[a]	intercal
U+022BB	⊻	⊻	⊻	⊻	⊻	⊻		\veebar[a]	logical or, bar below (large vee); exclusive disjunction
U+022BC	⊼	⊼	⊼	⊼	⊼	⊼		\barwedge[a]	bar, wedge (large wedge)
U+022BD	⊽	⊽	⊽	⊽	⊽	⊽		\barvee	bar, vee (large vee)
U+022C4	⋄	⋄	⋄	⋄	⋄	⋄		\smwhtdiamond	white diamond
U+022C5	⋅	⋅	⋅	⋅	⋅	⋅		\cdot[p]	small middle dot
U+022C6	⋆	⋆	⋆	⋆	⋆	⋆		\star[p]	small star, filled, low
U+022C7	⋇	⋇	⋇	⋇	⋇	⋇		\divideontimes[a]	division on times
U+022C9	⋉	⋉	⋉	⋉	⋉			\ltimes[a]	times sign, left closed
U+022CA	⋊	⋊	⋊	⋊	⋊			\rtimes[a]	times sign, right closed
U+022CB	⋋	⋋	⋋	⋋	⋋			\leftthreetimes[a]	left semidirect product
U+022CC	⋌	⋌	⋌	⋌	⋌			\rightthreetimes[a]	right semidirect product
U+022CE	⋎	⋎	⋎	⋎	⋎	⋎		\curlyvee[a]	curly logical or
U+022CF	⋏	⋏	⋏	⋏	⋏	⋏		\curlywedge[a]	curly logical and
U+022D2	⋒	⋒	⋒	⋒	⋒	⋒		\Cap[a]	/cap /doublecap b: double intersection
U+022D3	⋓	⋓	⋓	⋓	⋓	⋓		\Cup[a]	/cup /doublecup b: double union
U+02305	⌅	⌅	⌅		⌅	⌅		\varbarwedge	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306	⌆	⌆	⌆		⌆	⌆		\vardoublebarwedge	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		⌽	⌽		⌽			\obar	circle with vertical bar
U+025B3	△	△	△	△	△	△		\bigtriangleup[p]	big up triangle, open
U+025B7	▷	▷	▷		▷	▷		\triangleright[p]	(large) right triangle, open; z notation range restriction
U+025C1	◁	◁	◁		◁	▷		\triangleleft[p]	(large) left triangle, open; z notation domain restriction
U+025CB	○	○	○		○	○		\mdlgwhtcircle	medium large circle
U+025EB		◫	◫		◫			\boxbar	vertical bar in box
U+027C7		⟇	⟇		⟇			\veedot	or with dot inside
U+027D1		⟑	⟑		⟑			\wedgedot	and with dot
U+027E0	⟠	⟠	⟠		⟠	⟠		\lozengeminus	lozenge divided by horizontal rule
U+027E1	⟡	⟡	⟡	⟡	⟡	⟡		\concavediamond	white concave-sided diamond
U+027E2	⟢	⟢	⟢		⟢	⟢		\concavediamondtickleft	white concave-sided diamond with leftwards tick
U+027E3	⟣	⟣	⟣		⟣	⟣		\concavediamondtickright	white concave-sided diamond with rightwards tick
U+027E4		⟤	⟤		⟤			\whitesquaretickleft	white square with leftwards tick
U+027E5		⟥	⟥		⟥			\whitesquaretickright	white square with rightwards tick
U+02982		⦂	⦂		⦂			\typecolon	z notation type colon
U+029B5	⦵	⦵	⦵		⦵			\circlehbar	circle with horizontal bar
U+029B6	⦶	⦶	⦶		⦶			\circledvert	circled vertical bar
U+029B7	⦷	⦷	⦷		⦷			\circledparallel	circled parallel
U+029B8	⦸	⦸	⦸		⦸			\obslash	circled reverse solidus
U+029B9	⦹	⦹	⦹		⦹			\operp	circled perpendicular
U+029C0	⧀	⧀	⧀		⧀			\olessthan	circled less-than
U+029C1	⧁	⧁	⧁		⧁			\ogreaterthan	circled greater-than
U+029C4	⧄	⧄	⧄		⧄			\boxdiag	squared rising diagonal slash
U+029C5		⧅	⧅		⧅			\boxbslash	squared falling diagonal slash

USV	M	X	S	C	A	P	E	Macro	Description
U+029C6		⊛	⊛		⊞			\boxast	squared asterisk
U+029C7		⊡	⊡		⊡			\boxcircle	squared small circle
U+029C8		⊡	⊡		⊡			\boxbox	squared square
U+029CD		△	△		△			\triangleserifs	triangle with serifs at bottom
U+029D6		⧖	⧖		⧖			\hourglass	white hourglass
U+029D7		⧗	⧗		⧗			\blackhourglass	black hourglass
U+029E2		⧢	⧢		⧢			\shuffle	shuffle product
U+029EB		◆	◆		◆			\mdlgblklozenge	black lozenge
U+029F5		\	\		\			\setminus^(p)	reverse solidus operator
U+029F6		⫦	⫦		⫦			\dsol	solidus with overbar
U+029F7		⫧	⫧		⫧			\rsolbar	reverse solidus with horizontal stroke
U+029FA		⧺	⧺		⧺			\doubleplus	double plus
U+029FB		⧻	⧻		⧻			\tripleplus	triple plus
U+029FE		⧾	⧾		⧾			\tplus	tiny
U+029FF		⧿	⧿		⧿			\tminus	miny
U+02A22		⨢	⨢		⨢			\ringplus	plus sign with small circle above
U+02A23		⨣	⨣		⨣			\plushat	plus sign with circumflex accent above
U+02A24		⨤	⨤		⨤			\simplus	plus sign with tilde above
U+02A25		⨥	⨥		⨥			\plusdot	plus sign with dot below
U+02A26		⨦	⨦		⨦			\plussim	plus sign with tilde below
U+02A27		⨧	⨧		⨧			\plussubtwo	plus sign with subscript two
U+02A28		⨨	⨨		⨨			\plustrif	plus sign with black triangle
U+02A29		⨩	⨩		⨩			\commaminus	minus sign with comma above
U+02A2A		⨪	⨪		⨪			\minusdot	minus sign with dot below
U+02A2B		⨫	⨫		⨫			\minusfdots	minus sign with falling dots
U+02A2C		⨬	⨬		⨬			\minusrdots	minus sign with rising dots
U+02A2D		⨭	⨭		⨭			\opluslhrim	plus sign in left half circle
U+02A2E		⨮	⨮		⨮			\oplusrhrim	plus sign in right half circle
U+02A2F	✕	×	×		×	✕		\vectimes	vector or cross product
U+02A30		⨰	⨰		⨰			\dottimes	multiplication sign with dot above
U+02A31		⨱	⨱		⨱			\timesbar	multiplication sign with underbar
U+02A32		⨲	⨲		⨲			\btimes	semidirect product with bottom closed
U+02A33		⨳	⨳		⨳			\smashtimes	smash product
U+02A34		⨴	⨴		⨴			\otimeslhrim	multiplication sign in left half circle
U+02A35		⨵	⨵		⨵			\otimesrhrim	multiplication sign in right half circle
U+02A36		⨶	⨶		⨶			\otimeshat	circled multiplication sign with circumflex accent
U+02A37		⨷	⨷		⨷			\Otimes	multiplication sign in double circle
U+02A38		⨸	⨸		⨸			\odiv	circled division sign
U+02A39		⨹	⨹		△			\triangleplus	plus sign in triangle
U+02A3A		⨺	⨺		△			\triangleminus	minus sign in triangle
U+02A3B		⨻	⨻		△			\triangletimes	multiplication sign in triangle
U+02A3C		⨼	⨼		⨼			\intprod	interior product
U+02A3D		⨽	⨽		⨽			\intprodr	righthand interior product
U+02A3E		⨾	⨾		⨾			\fcmp	z notation relational composition
U+02A3F	⨿	⨿	⨿		⨿	⨿		\amalg^(p)	amalgamation or coproduct
U+02A40		⩀	⩀		⩀			\capdot	intersection with dot
U+02A41		⩁	⩁		⩁			\uminus	union with minus sign
U+02A42		⩂	⩂		⩂			\barcup	union with overbar
U+02A43		⩃	⩃		⩃			\barcap	intersection with overbar
U+02A44		⩄	⩄		⩄			\capwedge	intersection with logical and

USV	M	X	S	C	A	P	E	Macro	Description
U+02A45		⋓	⋓		⋓			\cupvee	union with logical or
U+02A46					⩆			\cupovercap	union above intersection
U+02A47					⩇			\capovercup	intersection above union
U+02A48					⩈			\cupbarcap	union above bar above intersection
U+02A49					⩉			\capbarcup	intersection above bar above union
U+02A4A		⩊	⩊		⩊			\twocups	union beside and joined with union
U+02A4B		⩋	⩋		⩋			\twocaps	intersection beside and joined with intersection
U+02A4C		⩌	⩌		⩌			\closedvarcup	closed union with serifs
U+02A4D		⩍	⩍		⩍			\closedvarcap	closed intersection with serifs
U+02A4E		⩎	⩎		⩎			\Sqcap	double square intersection
U+02A4F		⩏	⩏		⩏			\Sqcup	double square union
U+02A50		⩐	⩐		⩐			\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51		⩑	⩑		⩑			\wedgeodot	logical and with dot above
U+02A52		⩒	⩒		⩒			\veeodot	logical or with dot above
U+02A53		⩓	⩓		⩓			\Wedge	double logical and
U+02A54		⩔	⩔		⩔			\Vee	double logical or
U+02A55		⩕	⩕		⩕			\wedgeonwedge	two intersecting logical and
U+02A56		⩖	⩖		⩖			\veeonvee	two intersecting logical or
U+02A57		⩗	⩗		⩗			\bigslopedvee	sloping large or
U+02A58		⩘	⩘		⩘			\bigslopedwedge	sloping large and
U+02A5A		⩚	⩚		⩚			\wedgemidvert	logical and with middle stem
U+02A5B		⩛	⩛		⩛			\veemidvert	logical or with middle stem
U+02A5C		⩜	⩜		⩜			\midbarwedge	ogical and with horizontal dash
U+02A5D		⩝	⩝		⩝			\midbarvee	logical or with horizontal dash
U+02A5E		⩞	⩞		⩞			\doublebarwedge[a]	logical and with double overbar
U+02A5F		⩟	⩟		⩟			\wedgebar	logical and with underbar
U+02A60		⩠	⩠		⩠			\wedgedoublebar	logical and with double underbar
U+02A61		⩡	⩡		⩡			\varveebar	small vee with underbar
U+02A62		⩢	⩢		⩢			\doublebarvee	logical or with double overbar
U+02A63		⩣	⩣		⩣			\veedoublebar	logical or with double underbar
U+02A64		⩤	⩤		⩤			\dsub	z notation domain antirestriction
U+02A65		⩥	⩥		⩥			\rsub	z notation range antirestriction
U+02A71		⩱	⩱		⩱			\eqqplus	equals sign above plus sign
U+02A72		⩲	⩲		⩲			\pluseqq	plus sign above equals sign
U+02AF4		⫴	⫴		⫴			\interleave	triple vertical bar binary relation
U+02AF5		⫵	⫵		⫵			\nhVvert	triple vertical bar with horizontal stroke
U+02AF6		⫶	⫶		⫶			\threedotcolon	triple colon operator
U+02AFB		⫻	⫻		⫻			\trslash	triple solidus binary relation
U+02AFD		⫽	⫽		⫽			\sslash	double solidus operator
U+02AFE		⫾	⫾		⫾			\talloblong	white vertical bar

11 Ordinary symbols, \mathord

USV	M	X	S	C	A	P	E	Macro	Description
U+00023	#	#	#	#	#	#		\mathoctothorpe	number sign
U+00024	$	$	$	$	$	$		\mathdollar	dollar sign
U+00025	%	%	%	%	%	%		\mathpercent	percent sign
U+00026	&	&	&	&	&	&	&	\mathampersand	ampersand
U+0002E	.	.	.	.	.	.	.	\mathperiod	full stop, period
U+0002F	/	/	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	?	?	\mathquestion	question mark
U+00040	@	@	@	@	@	@		\mathatsign	commercial at
U+0005C	\	\	\	\	\	\	\	\backslash[p]	reverse solidus
U+000A3	£	£	£	£	£	£		\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥		\mathyen	yen sign
U+000AC	¬	¬	¬	¬	¬	¬	¬	\neg[p]	/neg /lnot not sign
U+001B5		Ƶ	Ƶ					\Zbar	impedance (latin capital letter z with stroke)
U+003D8		Ϙ	Ϙ	Ϙ				\upoldKoppa	greek letter archaic koppa
U+003D9		ϙ	ϙ	ϙ				\upoldkoppa	greek small letter archaic koppa
U+003F6		϶	϶	϶				\upbackepsilon	greek reversed lunate epsilon symbol
U+02015	—	—	—	—	—		—	\horizbar	horizontal bar
U+02017	=	=	=		=	=		\twolowline	double low line (spacing)
U+02025		‥	‥		‥			\enleadertwodots	double baseline dot (en leader)
U+02026	…	…	…	…	…	…		\unicodeellipsis	ellipsis (horizontal)
U+02032	′	′	′	′	′	′		\prime[p]	prime or minute, not superscripted
U+02033	″	″	″	″	″	″		\dprime	double prime or second, not superscripted
U+02034	‴	‴	‴	‴	‴	‴		\trprime	triple prime (not superscripted)
U+02035	‵	‵	‵		‵	‵		\backprime[a]	reverse prime, not superscripted
U+02036	‶	‶	‶		‶	‶		\backdprime	double reverse prime, not superscripted
U+02037	‷	‷	‷		‷	‷		\backtrprime	triple reverse prime, not superscripted
U+02038		‸	‸					\caretinsert	caret (insertion mark)
U+0203C		‼	‼	‼	‼			\Exclam	double exclamation mark
U+02043		⁃	⁃					\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		⁇	⁇					\Question	double question mark
U+02057	⁗	⁗	⁗	⁗	⁗	⁗		\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€		\euro	euro sign
U+020DD	◯	◯	◯	◯	◯	◯		\enclosecircle	combining enclosing circle
U+020DE	□	□	□	□	□	□		\enclosesquare	combining enclosing square
U+020DF	◇	◇	◇	◇	◇	◇		\enclosediamond	combining enclosing diamond
U+020E4	△	△	△	△	△	△		\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℇ	ℇ	ℇ	ℇ	ℇ	ℇ		\Eulerconst	euler constant
U+0210E	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ		\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧		\mho	conductance
U+02132		Ⅎ	Ⅎ	Ⅎ	Ⅎ			\Finv[a]	turned capital f
U+0213C	ℼ	ℼ	ℼ	ℼ	ℼ	ℼ		\Bbbpi	double-struck small pi
U+02141		⅁	⅁	⅁	⅁			\Game[a]	turned sans-serif capital g
U+02142		⅂	⅂	⅂	⅂			\sansLturned	turned sans-serif capital l
U+02143		⅃	⅃	⅃	⅃			\sansLmirrored	reversed sans-serif capital l
U+02144		⅄	⅄	⅄	⅄			\Yup	turned sans-serif capital y
U+02145	ⅅ	ⅅ	ⅅ	ⅅ	ⅅ	ⅅ		\mitBbbD	double-struck italic capital d
U+02146	ⅆ	ⅆ	ⅆ	ⅆ	ⅆ	ⅆ		\mitBbbd	double-struck italic small d

USV	M	X	S	C	A	P	E	Macro	Description
U+02147	ⅇ	ⅇ	ⅇ	ⅇ	ⅇ	ⅇ		\mitBbbe	double-struck italic small e
U+02148	ⅈ	ⅈ	ⅈ	ⅈ	ⅈ	ⅈ		\mitBbbi	double-struck italic small i
U+02149	ⅉ	ⅉ	ⅉ	ⅉ	ⅉ	ⅉ		\mitBbbj	double-struck italic small j
U+0214A		℔	℔	℔				\PropertyLine	property line
U+021A8	↨	↨	↨	↨				\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↴	↴	↴	↴	↴			\linefeed	rightwards arrow with corner downwards
U+021B5	↵	↵	↵	↵	↵			\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8		↸	↸	↸	↸			\barovernorthwestarrow	north west arrow to long bar
U+021B9		↹	↹	↹	↹			\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↺	↺	↺	↺	↺	↺		\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻		\cwopencirclearrow	clockwise open circle arrow
U+021DE		⇞	⇞	⇞	⇞			\nHuparrow	upwards arrow with double stroke
U+021DF		⇟	⇟	⇟	⇟			\nHdownarrow	downwards arrow with double stroke
U+021E0		⇠	⇠	⇠	⇠			\leftdasharrow	leftwards dashed arrow
U+021E1		⇡	⇡	⇡	⇡			\updasharrow	upwards dashed arrow
U+021E2		⇢	⇢	⇢	⇢			\rightdasharrow	rightwards dashed arrow
U+021E3		⇣	⇣	⇣	⇣			\downdasharrow	downwards dashed arrow
U+021E6	⇦	⇦	⇦	⇦	⇦	⇦		\leftwhitearrow	leftwards white arrow
U+021E7	⇧	⇧	⇧	⇧	⇧	⇧		\upwhitearrow	upwards white arrow
U+021E8	⇨	⇨	⇨	⇨	⇨	⇨		\rightwhitearrow	rightwards white arrow
U+021E9	⇩	⇩	⇩	⇩	⇩	⇩		\downwhitearrow	downwards white arrow
U+021EA		⇪	⇪	⇪	⇪			\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀		\forall[p]	for all
U+02201	∁	∁	∁	∁	∁	∁		\complement[a]	complement sign
U+02203	∃	∃	∃	∃	∃	∃		\exists[p]	at least one exists
U+02204	∄	∄	∄	∄	∄	∄		\nexists[a]	negated exists
U+02205	∅	∅	∅	∅	∅	∅		\varnothing[a]	circle, slash
U+02206	∆	∆	∆	∆	∆	∆	∆	\increment	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	■		\QED	end of proof
U+0221E	∞	∞	∞	∞	∞	∞	∞	\infty[p]	infinity
U+0221F	∟	∟	∟	∟	∟	∟		\rightangle	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠		\angle[p]	angle
U+02221	∡	∡	∡	∡	∡	∡		\measuredangle[a]	angle-measured
U+02222	∢	∢	∢	∢	∢	∢		\sphericalangle[a]	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴		\therefore[a]	therefore
U+02235	∵	∵	∵	∵	∵	∵		\because[a]	because
U+0223F	∿	∿	∿	∿	∿	∿		\sinewave	sine wave
U+022A4	⊤	⊤	⊤	⊤	⊤	⊤		\top[p]	top
U+022A5	⊥	⊥	⊥	⊥	⊥	⊥		\bot[p]	bottom
U+022B9	⊹	⊹	⊹	⊹	⊹			\hermitmatrix	hermitian conjugate matrix
U+022BE	⊾	⊾	⊾	⊾	⊾	⊾		\measuredrightangle	right angle-measured [with arc]
U+022BF	⊿	⊿	⊿	⊿	⊿			\varlrtriangle	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯		\unicodedots	three dots, centered
U+02300	⌀	⌀	⌀		⌀			\diameter	diameter sign
U+02302		⌂	⌂					\house	house
U+02310	⌐	⌐	⌐		⌐	⌐		\invnot	reverse not
U+02311		⌑	⌑					\sqlozenge	square lozenge
U+02312		⌒	⌒					\profline	profile of a line
U+02313		⌓	⌓					\profsurf	profile of a surface
U+02317		⌗	⌗					\viewdata	viewdata square

USV	M	X	S	C	A	P	E	Macro	Description
U+02319	⌙	⌙	⌙		⌙	⌙		\turnednot	turned not sign
U+02320	⌠	⌠		⌠	⌠	⌠		\inttop	top half integral
U+02321	⌡	⌡		⌡	⌡	⌡		\intbottom	bottom half integral
U+0232C		⬡	⬡					\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		▷	▷					\conictaper	conical taper
U+02336		⌶	⌶					\topbot	top and bottom
U+02340		⍀	⍀					\APLnotbackslash	apl functional symbol backslash bar
U+02353		⍓	⍓					\APLboxupcaret	boxed up caret
U+02370		⍰	⍰					\APLboxquestion	boxed question mark
U+0237C		⍼	⍼					\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394		⎔	⎔					\hexagon	horizontal benzene ring [hexagon flat open]
U+0239B	⎛	⎛		⎛	⎛	⎛	⎛	\lparenuend	left parenthesis upper hook
U+0239C	⎜	⎜		⎜	⎜	⎜	⎜	\lparenextender	left parenthesis extension
U+0239D	⎝	⎝		⎝	⎝	⎝	⎝	\lparenlend	left parenthesis lower hook
U+0239E	⎞	⎞		⎞	⎞	⎞	⎞	\rparenuend	right parenthesis upper hook
U+0239F	⎟	⎟		⎟	⎟	⎟	⎟	\rparenextender	right parenthesis extension
U+023A0	⎠	⎠		⎠	⎠	⎠	⎠	\rparenlend	right parenthesis lower hook
U+023A1	⎡	⎡		⎡	⎡	⎡	⎡	\lbrackuend	left square bracket upper corner
U+023A2	⎢	⎢		⎢	⎢	⎢	⎢	\lbrackextender	left square bracket extension
U+023A3	⎣	⎣		⎣	⎣	⎣	⎣	\lbracklend	left square bracket lower corner
U+023A4	⎤	⎤		⎤	⎤	⎤	⎤	\rbrackuend	right square bracket upper corner
U+023A5	⎥	⎥		⎥	⎥	⎥	⎥	\rbrackextender	right square bracket extension
U+023A6	⎦	⎦		⎦	⎦	⎦	⎦	\rbracklend	right square bracket lower corner
U+023A7	⎧	⎧		⎧	⎧	⎧	⎧	\lbraceuend	left curly bracket upper hook
U+023A8	⎨	⎨		⎨	⎨	⎨	⎨	\lbracemid	left curly bracket middle piece
U+023A9	⎩	⎩		⎩	⎩	⎩	⎩	\lbracelend	left curly bracket lower hook

USV	M	X	S	C	A	P	E	Macro	Description
U+023AA								\vbraceextender	curly bracket extension
U+023AB								\rbraceuend	right curly bracket upper hook
U+023AC								\rbracemid	right curly bracket middle piece
U+023AD								\rbracelend	right curly bracket lower hook
U+023AE								\intextender	integral extension
U+023AF								\harrowextender	horizontal line extension (used to extend arrows)
U+023B2								\sumtop	summation top
U+023B3								\sumbottom	summation bottom
U+023B6								\bbrktbrk	bottom square bracket over top square bracket
U+023B7								\sqrtbottom	radical symbol bottom
U+023B8								\lvboxline	left vertical box line
U+023B9								\rvboxline	right vertical box line
U+023CE								\varcarriagereturn	return symbol
U+023E0								\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1								\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2								\trapezium	white trapezium
U+023E3								\benzenr	benzene ring with circle
U+023E4								\strns	straightness
U+023E5								\fltns	flatness
U+023E6								\accurrent	ac current
U+023E7								\elinters	electrical intersection
U+02422	ƀ				ƀ	ƀ		\blanksymbol	blank symbol
U+02423	␣				␣			\mathvisiblespace	open box
U+02506								\bdtriplevdash	doubly broken vert
U+02580								\blockuphalf	upper half block
U+02584								\blocklowhalf	lower half block
U+02588	■			■		■		\blockfull	full block
U+0258C								\blocklefthalf	left half block
U+02590								\blockrighthalf	right half block
U+02591								\blockqtrshaded	25% shaded block
U+02592								\blockhalfshaded	50% shaded block
U+02593								\blockthreeqtrshaded	75% shaded block
U+025A0	■			■	■	■		\mdlgblksquare	square, filled
U+025A1	□			□	□	□		\mdlgwhtsquare	square, open
U+025A2								\squoval	white square with rounded corners
U+025A3								\blackinwhitesquare	white square containing black small square
U+025A4								\squarehfill	square, horizontal rule filled
U+025A5								\squarevfill	square, vertical rule filled
U+025A6								\squarehvfill	square with orthogonal crosshatch fill
U+025A7								\squarenwsefill	square, nw-to-se rule filled
U+025A8								\squareneswfill	square, ne-to-sw rule filled

USV	M	X	S	C	A	P	E	Macro	Description
U+025A9								\squarecrossfill	square with diagonal crosshatch fill
U+025AA								\smblksquare	/blacksquare - sq bullet, filled
U+025AB								\smwhtsquare	white small square
U+025AC								\hrectangleblack	black rectangle
U+025AD								\hrectangle	horizontal rectangle, open
U+025AE								\vrectangleblack	black vertical rectangle
U+025AF								\vrectangle	rectangle, white (vertical)
U+025B0								\parallelogramblack	black parallelogram
U+025B1								\parallelogram	parallelogram, open
U+025B2								\bigblacktriangleup	0x25b2 6 6d black up-pointing triangle
U+025B4								\blacktriangle[a]	up triangle, filled
U+025B6								\blacktriangleright[a]	(large) right triangle, filled
U+025B8								\smallblacktriangleright	right triangle, filled
U+025B9								\smalltriangleright	right triangle, open
U+025BA								\blackpointerright	black right-pointing pointer
U+025BB								\whitepointerright	white right-pointing pointer
U+025BC								\bigblacktriangledown	big down triangle, filled
U+025BD								\bigtriangledown[p]	big down triangle, open
U+025BE								\blacktriangledown[a]	down triangle, filled
U+025BF								\triangledown[a]	down triangle, open
U+025C0								\blacktriangleleft[a]	(large) left triangle, filled
U+025C2								\smallblacktriangleleft	left triangle, filled
U+025C3								\smalltriangleleft	left triangle, open
U+025C4								\blackpointerleft	black left-pointing pointer
U+025C5								\whitepointerleft	white left-pointing pointer
U+025C6								\mdlgblkdiamond	black diamond
U+025C7								\mdlgwhtdiamond	white diamond; diamond, open
U+025C8								\blackinwhitediamond	white diamond containing black small diamond
U+025C9								\fisheye	fisheye
U+025CA								\mdlgwhtlozenge	lozenge or total mark
U+025CC								\dottedcircle	dotted circle
U+025CD								\circlevertfill	circle with vertical fill
U+025CE								\bullseye	bullseye
U+025CF								\mdlgblkcircle	circle, filled
U+025D0								\circlelefthalfblack	circle, filled left half [harvey ball]
U+025D1								\circlerighthalfblack	circle, filled right half
U+025D2								\circlebottomhalfblack	circle, filled bottom half
U+025D3								\circletophalfblack	circle, filled top half
U+025D4								\circleurquadblack	circle with upper right quadrant black
U+025D5								\blackcircleulquadwhite	circle with all but upper left quadrant black
U+025D6								\blacklefthalfcircle	left half black circle
U+025D7								\blackrighthalfcircle	right half black circle
U+025D8								\inversebullet	inverse bullet
U+025D9								\inversewhitecircle	inverse white circle
U+025DA								\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB								\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC								\ularc	upper left quadrant circular arc
U+025DD								\urarc	upper right quadrant circular arc
U+025DE								\lrarc	lower right quadrant circular arc
U+025DF								\llarc	lower left quadrant circular arc

USV	M	X	S	C	A	P	E	Macro	Description
U+025E0		⌢	⌢					\topsemicircle	upper half circle
U+025E1		⌣	⌣					\botsemicircle	lower half circle
U+025E2		◢	◢					\lrblacktriangle	lower right triangle, filled
U+025E3		◣	◣					\llblacktriangle	lower left triangle, filled
U+025E4		◤	◤					\ulblacktriangle	upper left triangle, filled
U+025E5		◥	◥					\urblacktriangle	upper right triangle, filled
U+025E6	○	○	○		○	○		\smwhtcircle	white bullet
U+025E7		◧	◧		◧			\squareleftblack	square, filled left half
U+025E8		◨	◨		◨			\squarerightblack	square, filled right half
U+025E9		◩	◩					\squareulblack	square, filled top left corner
U+025EA		◪	◪					\squarelrblack	square, filled bottom right corner
U+025EC		◬	◬					\trianglecdot	triangle with centered dot
U+025ED		◭	◭		◭			\triangleleftblack	up-pointing triangle with left half black
U+025EE		◮	◮		◮			\trianglerightblack	up-pointing triangle with right half black
U+025EF	◯	◯	◯		◯	◯		\lgwhtcircle	large circle
U+025F0		◰	◰					\squareulquad	white square with upper left quadrant
U+025F1		◱	◱					\squarellquad	white square with lower left quadrant
U+025F2		◲	◲					\squarelrquad	white square with lower right quadrant
U+025F3		◳	◳					\squareurquad	white square with upper right quadrant
U+025F4		◴	◴					\circleulquad	white circle with upper left quadrant
U+025F5		◵	◵					\circlellquad	white circle with lower left quadrant
U+025F6		◶	◶					\circlelrquad	white circle with lower right quadrant
U+025F7		◷	◷					\circleurquad	white circle with upper right quadrant
U+025F8		◸	◸					\ultriangle	upper left triangle
U+025F9		◹	◹					\urtriangle	upper right triangle
U+025FA		◺	◺					\lltriangle	lower left triangle
U+025FB		◻	◻		◻			\mdwhtsquare	white medium square
U+025FC		◼	◼		◼			\mdblksquare	black medium square
U+025FD		◽	◽					\mdsmwhtsquare	white medium small square
U+025FE		◾	◾					\mdsmblksquare	black medium small square
U+025FF		◿	◿					\lrtriangle	lower right triangle
U+02605		★	★		★			\bigstar[(a)]	star, filled
U+02606		☆	☆		☆			\bigwhitestar	star, open
U+02609		☉	☉					\astrosun	sun
U+02621		☡	☡					\danger	dangerous bend (caution sign)
U+0263B		☻	☻					\blacksmiley	black smiling face
U+0263C		☼	☼					\sun	white sun with rays
U+0263D		☽	☽					\rightmoon	first quarter moon
U+0263E		☾	☾					\leftmoon	last quarter moon
U+02640		♀	♀					\female	venus, female
U+02642		♂	♂					\male	mars, male
U+02660	♠	♠	♠	♠	♠	♠		\spadesuit[(p)]	spades suit symbol
U+02661	♡	♡	♡	♡	♡	♡		\heartsuit[(p)]	heart suit symbol
U+02662	♢	♢	♢		♢	♢		\diamondsuit[(p)]	diamond suit symbol
U+02663	♣	♣	♣	♣	♣	♣		\clubsuit[(p)]	club suit symbol
U+02664	♤	♤	♤		♤	♤		\varspadesuit	spade, white (card suit)
U+02665	♥	♥	♥		♥	♥		\varheartsuit	filled heart (card suit)
U+02666	♦	♦	♦	♦	♦	♦		\vardiamondsuit	filled diamond (card suit)
U+02667	♧	♧	♧		♧	♧		\varclubsuit	club, white (card suit)
U+02669		♩	♩		♩			\quarternote	music note (sung text sign)

USV	M	X	S	C	A	P	E	Macro	Description
U+0266A	♪	♪	♪			♪	♪	\eighthnote	eighth note
U+0266B		♫	♫					\twonotes	beamed eighth notes
U+0266D	♭	♭	♭		♭	♭		\flat[(p)]	musical flat
U+0266E	♮	♮	♮		♮	♮		\natural[(p)]	music natural
U+0266F	♯	♯	♯		♯	♯		\sharp[(p)]	musical sharp
U+0267E		∞	∞					\acidfree	permanent paper sign
U+02680		⚀	⚀		⚀			\dicei	die face-1
U+02681		⚁	⚁		⚁			\diceii	die face-2
U+02682		⚂	⚂		⚂			\diceiii	die face-3
U+02683		⚃	⚃		⚃			\diceiv	die face-4
U+02684		⚄	⚄		⚄			\dicev	die face-5
U+02685		⚅	⚅		⚅			\dicevi	die face-6
U+02686		⚆	⚆					\circledrightdot	white circle with dot right
U+02687		⚇	⚇					\circledtwodots	white circle with two dots
U+02688		⚈	⚈					\blackcircledrightdot	black circle with white dot right
U+02689		⚉	⚉					\blackcircledtwodots	black circle with two white dots
U+026A5		⚥	⚥					\Hermaphrodite	male and female sign
U+026AA		⚪	⚪					\mdwhtcircle	medium white circle
U+026AB		⚫	⚫					\mdblkcircle	medium black circle
U+026AC		◦	◦					\mdsmwhtcircle	medium small white circle
U+026B2		♀	♀					\neuter	neuter
U+02713	✓	✓	✓		✓	✓		\checkmark	tick, check mark
U+02720	✠	✠	✠		✠	✠		\maltese	maltese cross
U+0272A		✪	✪					\circledstar	circled white star
U+02736		✶	✶		✶			\varstar	six pointed black star
U+0273D		✽	✽					\dingasterisk	heavy teardrop-spoked asterisk
U+0279B		➛	➛					\draftingarrow	right arrow with bold head (drafting)
U+027C0		∠	∠		∠			\threedangle	three dimensional angle
U+027C1		⟁	⟁		⟁			\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3		⟃	⟃		⟃			\subsetcirc	open subset
U+027C4		⟄	⟄		⟄			\supsetcirc	open superset
U+027D0		⟐	⟐		⟐			\diamondcdot	white diamond with centred dot
U+0292B		⤫	⤫	⤫	⤫			\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C		⤬	⤬	⤬	⤬			\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D		⤭	⤭	⤭	⤭			\seovnearrow	south east arrow crossing north east arrow
U+0292E		⤮	⤮	⤮	⤮			\neovsearrow	north east arrow crossing south east arrow
U+0292F		⤯	⤯	⤯	⤯			\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930		⤰	⤰	⤰	⤰			\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931		⤱	⤱	⤱	⤱			\neovnwarrow	north east arrow crossing north west arrow
U+02932		⤲	⤲	⤲	⤲			\nwovnearrow	north west arrow crossing north east arrow
U+02934		⤴	⤴	⤴	⤴			\uprightcurvearrow	arrow pointing rightwards then curving upwards
U+02935		⤵	⤵	⤵	⤵			\downrightcurvedarrow	arrow pointing rightwards then curving downwards
U+02981		●	●		●			\mdsmblkcircle	z notation spot
U+02999		⦙	⦙		⦙			\fourvdots	dotted fence
U+0299A		⦚	⦚		⦚			\vzigzag	vertical zigzag line
U+0299B		⦛	⦛		⦛			\measuredangleleft	measured angle opening left
U+0299C		⦜	⦜		⦜			\rightanglesqr	right angle variant with square
U+0299D		⦝	⦝		⦝			\rightanglemdot	measured right angle with dot
U+0299E		⦞	⦞		⦞			\angles	angle with s inside
U+0299F		⦟	⦟		⦟			\angdnr	acute angle

20

USV	M	X	S	C	A	P	E	Macro	Description
U+029A0		⟠	⟠		⟠			\gtlpar	spherical angle opening left
U+029A1		⦡	⦡		⦡			\sphericalangleup	spherical angle opening up
U+029A2		⦢	⦢		⦢			\turnangle	turned angle
U+029A3		⦣	⦣		⦣			\revangle	reversed angle
U+029A4		⦤	⦤		⦤			\angleubar	angle with underbar
U+029A5		⦥	⦥		⦥			\revangleubar	reversed angle with underbar
U+029A6		⦦	⦦		⦦			\wideangledown	oblique angle opening up
U+029A7		⦧	⦧		⦧			\wideangleup	oblique angle opening down
U+029A8		⦨	⦨		⦨			\measanglerutone	measured angle with open arm ending in arrow pointing up and right
U+029A9		⦩	⦩		⦩			\measanglelutonw	measured angle with open arm ending in arrow pointing up and left
U+029AA		⦪	⦪		⦪			\measanglerdtose	measured angle with open arm ending in arrow pointing down and right
U+029AB		⦫	⦫		⦫			\measangleldtosw	measured angle with open arm ending in arrow pointing down and left
U+029AC		⦬	⦬		⦬			\measangleurtone	measured angle with open arm ending in arrow pointing right and up
U+029AD		⦭	⦭		⦭			\measangleultonw	measured angle with open arm ending in arrow pointing left and up
U+029AE		⦮	⦮		⦮			\measangledrtose	measured angle with open arm ending in arrow pointing right and down
U+029AF		⦯	⦯		⦯			\measangledltosw	measured angle with open arm ending in arrow pointing left and down
U+029B0		⦰	⦰		⦰			\revemptyset	reversed empty set
U+029B1		⦱	⦱		⦱			\emptysetobar	empty set with overbar
U+029B2		⦲	⦲		⦲			\emptysetocirc	empty set with small circle above
U+029B3		⦳	⦳		⦳			\emptysetoarr	empty set with right arrow above
U+029B4		⦴	⦴		⦴			\emptysetoarrl	empty set with left arrow above
U+029BA		⦺	⦺		⦺			\obot	circle divided by horizontal bar and top half divided by vertical bar
U+029BB		⦻	⦻		⦻			\olcross	circle with superimposed x
U+029BC		⦼	⦼		⦼			\odotslashdot	circled anticlockwise-rotated division sign
U+029BD		⦽	⦽		⦽			\uparrowoncircle	up arrow through circle
U+029BE		⦾	⦾		⦾			\circledwhitebullet	circled white bullet
U+029BF		⦿	⦿		⦿			\circledbullet	circled bullet
U+029C2		⧂	⧂		⧂			\cirscir	circle with small circle to the right
U+029C3		⧃	⧃		⧃			\cirE	circle with two horizontal strokes to the right
U+029C9		⧉	⧉		⧉			\boxonbox	two joined squares
U+029CA		⧊	⧊		⧊			\triangleodot	triangle with dot above
U+029CB		⧋	⧋		⧋			\triangleubar	triangle with underbar
U+029CC		⧌	⧌		⧌			\triangles	s in triangle
U+029DC		⧜	⧜		⧜			\iinfin	incomplete infinity
U+029DD		⧝	⧝		⧝			\tieinfty	tie over infinity
U+029DE		⧞	⧞		⧞			\nvinfty	infinity negated with vertical bar
U+029E0		⧠	⧠		⧠			\laplac	square with contoured outline
U+029E7		⧧	⧧		⧧			\thermod	thermodynamic
U+029E8		⧨	⧨		⧨			\downtriangleleftblack	down-pointing triangle with left half black
U+029E9		⧩	⧩		⧩			\downtrianglerightblack	down-pointing triangle with right half black
U+029EA		⧪	⧪		⧪			\blackdiamonddownarrow	black diamond with down arrow
U+029EC		⧬	⧬		⧬			\circledownarrow	white circle with down arrow
U+029ED		⧭	⧭		⧭			\blackcircledownarrow	black circle with down arrow
U+029EE		⧮	⧮		⧮			\errbarsquare	error-barred white square
U+029EF		⧯	⧯		⧯			\errbarblacksquare	error-barred black square

USV	M	X	S	C	A	P	E	Macro	Description
U+029F0		◇	◇		◇			\errbardiamond	error-barred white diamond
U+029F1		◆	◆		◆			\errbarblackdiamond	error-barred black diamond
U+029F2		⊖	⊖		⊖			\errbarcircle	error-barred white circle
U+029F3		⊖	⊖		⊖			\errbarblackcircle	error-barred black circle
U+02AE1		⊥s	⊥s		⊥s			\perps	perpendicular with s
U+02AF1		⊤	⊤		⊤			\topcir	down tack with circle below
U+02B12		▧	▧					\squaretopblack	square with top half black
U+02B13		▨	▨					\squarebotblack	square with bottom half black
U+02B14		◩	◪					\squareurblack	square with upper right diagonal half black
U+02B15		◪	◪					\squarellblack	square with lower left diagonal half black
U+02B16		◈	◈					\diamondleftblack	diamond with left half black
U+02B17		◈	◈					\diamondrightblack	diamond with right half black
U+02B18		◆	◆					\diamondtopblack	diamond with top half black
U+02B19		◆	◆					\diamondbotblack	diamond with bottom half black
U+02B1A	⬚	⬚	⬚	⬚	⬚	⬚		\dottedsquare	dotted square
U+02B1B		■	■		■			\lgblksquare	black large square
U+02B1C		□	□		□			\lgwhtsquare	white large square
U+02B1D		▪	▪					\vysmblksquare	black very small square
U+02B1E		▫	▫					\vysmwhtsquare	white very small square
U+02B1F		⬟	⬟					\pentagonblack	black pentagon
U+02B20		⬠	⬠					\pentagon	white pentagon
U+02B21		⬡	⬡					\varhexagon	white hexagon
U+02B22		⬢	⬢					\varhexagonblack	black hexagon
U+02B23		⬣	⬣					\hexagonblack	horizontal black hexagon
U+02B24		⬤	⬤					\lgblkcircle	black large circle
U+02B25		◆	◆					\mdblkdiamond	black medium diamond
U+02B26		◇	◇					\mdwhtdiamond	white medium diamond
U+02B27		◆	◆					\mdblklozenge	black medium lozenge
U+02B28		◇	◇					\mdwhtlozenge	white medium lozenge
U+02B29		◆	◆					\smblkdiamond	black small diamond
U+02B2A		◆	◆					\smblklozenge	black small lozenge
U+02B2B		◇	◇					\smwhtlozenge	white small lozenge
U+02B2C		⬭	⬭					\blkhorzoval	black horizontal ellipse
U+02B2D		⬮	⬮					\whthorzoval	white horizontal ellipse
U+02B2E		⬬	⬬					\blkvertoval	black vertical ellipse
U+02B2F		⬯	⬯					\whtvertoval	white vertical ellipse
U+02B50		☆	☆		☆			\medwhitestar	white medium star
U+02B51		★	★		★			\medblackstar	black medium star
U+02B52		☆	☆		☆			\smwhitestar	white small star
U+02B53		⬠	⬠					\rightpentagonblack	black right-pointing pentagon
U+02B54		⬠	⬠					\rightpentagon	white right-pointing pentagon
U+03012		〒	〒					\postalmark	postal mark
U+03030		〰	〰					\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7D5	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0	0		\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1	1		\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2	2		\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3	3		\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4	4		\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5	5		\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6	6	6	6		\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7	7		\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8	8		\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9	9		\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0	0		\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	1		\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2		\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3		\msansthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4		\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5		\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6		\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7		\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8		\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9		\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0		\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	1		\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2		\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3		\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	4		\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5		\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6		\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7		\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8		\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9		\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0		\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1		\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	2		\mtttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3		\mttthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4		\mttfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5		\mttfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6		\mttsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7		\mttseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8		\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9		\mttnine	mathematical monospace digit 9

12 Relation symbols, \mathrel

USV	M	X	S	C	A	P	E	Macro	Description
U+0003C	<	<	<	<	<	<	<	\less	less-than sign r:
U+0003D	=	=	=	=	=	=	=	\equal	equals sign r:
U+0003E	>	>	>	>	>	>	>	\greater	greater-than sign r:
U+02050		◡	◡		◠			\closure	close up
U+02190	←	←	←	←	←	←	←	\leftarrow[p]	/leftarrow /gets a: leftward arrow
U+02191	↑	↑	↑	↑	↑	↑	↑	\uparrow[p]	upward arrow
U+02192	→	→	→	→	→	→	→	\rightarrow[p]	/rightarrow /to a: rightward arrow
U+02193	↓	↓	↓	↓	↓	↓	↓	\downarrow[p]	downward arrow
U+02194	↔	↔	↔	↔	↔	↔	↔	\leftrightarrow[p]	left and right arrow
U+02195	↕	↕	↕	↕	↕	↕	↕	\updownarrow[p]	up and down arrow
U+02196	↖	↖	↖	↖	↖	↖	↖	\nwarrow[p]	nw pointing arrow
U+02197	↗	↗	↗	↗	↗	↗	↗	\nearrow[p]	ne pointing arrow
U+02198	↘	↘	↘	↘	↘	↘	↘	\searrow[p]	se pointing arrow
U+02199	↙	↙	↙	↙	↙	↙	↙	\swarrow[p]	sw pointing arrow
U+0219A	↚	↚	↚	↚	↚	↚		\nleftarrow[a]	not left arrow
U+0219B	↛	↛	↛	↛	↛	↛		\nrightarrow[a]	not right arrow
U+0219C		↜	↜	↜	↜			\leftwavearrow	left arrow-wavy
U+0219D		↝	↝	↝	↝			\rightwavearrow	right arrow-wavy
U+0219E	↞	↞	↞	↞	↞	↞		\twoheadleftarrow[a]	left two-headed arrow
U+0219F	↟	↟	↟	↟	↟	↟		\twoheaduparrow	up two-headed arrow
U+021A0	↠	↠	↠	↠	↠	↠		\twoheadrightarrow[a]	right two-headed arrow
U+021A1	↡	↡	↡	↡	↡	↡		\twoheaddownarrow	down two-headed arrow
U+021A2	↢	↢	↢	↢	↢	↢		\leftarrowtail[a]	left arrow-tailed
U+021A3	↣	↣	↣	↣	↣	↣		\rightarrowtail[a]	right arrow-tailed
U+021A4	↤	↤	↤	↤	↤	↤		\mapsfrom	maps to, leftward
U+021A5	↥	↥	↥	↥	↥	↥		\mapsup	maps to, upward
U+021A6	↦	↦	↦	↦	↦	↦		\mapsto[p]	maps to, rightward
U+021A7	↧	↧	↧	↧	↧	↧		\mapsdown	maps to, downward
U+021A9	↩	↩	↩	↩	↩	↩		\hookleftarrow[p]	left arrow-hooked
U+021AA	↪	↪	↪	↪	↪	↪		\hookrightarrow[p]	right arrow-hooked
U+021AB	↫	↫	↫	↫	↫	↫		\looparrowleft[a]	left arrow-looped
U+021AC	↬	↬	↬	↬	↬	↬		\looparrowright[a]	right arrow-looped
U+021AD	↭	↭	↭	↭	↭			\leftrightsquigarrow[a]	left and right arr-wavy
U+021AE	↮	↮	↮	↮	↮	↮		\nleftrightarrow[a]	not left and right arrow
U+021AF		↯	↯	↯	↯			\downzigzagarrow	downwards zigzag arrow
U+021B0	↰	↰	↰	↰	↰	↰		\Lsh[a]	/lsh a:
U+021B1	↱	↱	↱	↱	↱	↱		\Rsh[a]	/rsh a:
U+021B2	↲	↲	↲	↲	↲	↲		\Ldsh	left down angled arrow
U+021B3	↳	↳	↳	↳	↳	↳		\Rdsh	right down angled arrow
U+021B6	↶	↶	↶	↶	↶	↶		\curvearrowleft[a]	left curved arrow
U+021B7	↷	↷	↷	↷	↷	↷		\curvearrowright[a]	right curved arrow
U+021BC	↼	↼	↼	↼	↼	↼	↼	\leftharpoonup[p]	left harpoon-up
U+021BD	↽	↽	↽	↽	↽	↽	↽	\leftharpoondown[p]	left harpoon-down
U+021BE	↾	↾	↾	↾	↾	↾		\upharpoonright[a]	/upharpoonright /restriction a: up harpoon-right
U+021BF	↿	↿	↿	↿	↿	↿		\upharpoonleft[a]	up harpoon-left
U+021C0	⇀	⇀	⇀	⇀	⇀	⇀	⇀	\rightharpoonup[p]	right harpoon-up
U+021C1	⇁	⇁	⇁	⇁	⇁	⇁	⇁	\rightharpoondown[p]	right harpoon-down

USV	M	X	S	C	A	P	E	Macro	Description
U+021C2	⇂	⇂	⇂	⇂	⇂	⇂		\downharpoonright[a]	down harpoon-right
U+021C3	⇃	⇃	⇃	⇃	⇃	⇃		\downharpoonleft[a]	down harpoon-left
U+021C4	⇄	⇄	⇄	⇄	⇄	⇄		\rightleftarrows[a]	right arrow over left arrow
U+021C5	⇅	⇅	⇅	⇅	⇅	⇅		\updownarrows	up arrow, down arrow
U+021C6	⇆	⇆	⇆	⇆	⇆	⇆		\leftrightarrows[a]	left arrow over right arrow
U+021C7	⇇	⇇	⇇	⇇	⇇	⇇		\leftleftarrows[a]	two left arrows
U+021C8	⇈	⇈	⇈	⇈	⇈	⇈		\upuparrows[a]	two up arrows
U+021C9	⇉	⇉	⇉	⇉	⇉	⇉		\rightrightarrows[a]	two right arrows
U+021CA	⇊	⇊	⇊	⇊	⇊	⇊		\downdownarrows[a]	two down arrows
U+021CB	⇋	⇋	⇋	⇋	⇋	⇋		\leftrightharpoons[a]	left harpoon over right
U+021CC	⇌	⇌	⇌	⇌	⇌	⇌		\rightleftharpoons[l]	right harpoon over left
U+021CD	⇍	⇍	⇍	⇍	⇍	⇍		\nLeftarrow[a]	not implied by
U+021CE	⇎	⇎	⇎	⇎	⇎	⇎		\nLeftrightarrow[a]	not left and right double arrows
U+021CF	⇏	⇏	⇏	⇏	⇏	⇏		\nRightarrow[a]	not implies
U+021D0	⇐	⇐	⇐	⇐	⇐	⇐	⇐	\Leftarrow[p]	is implied by
U+021D1	⇑	⇑	⇑	⇑	⇑	⇑	⇑	\Uparrow[p]	up double arrow
U+021D2	⇒	⇒	⇒	⇒	⇒	⇒	⇒	\Rightarrow[p]	implies
U+021D3	⇓	⇓	⇓	⇓	⇓	⇓	⇓	\Downarrow[p]	down double arrow
U+021D4	⇔	⇔	⇔	⇔	⇔	⇔	⇔	\Leftrightarrow[p]	left and right double arrow
U+021D5	⇕	⇕	⇕	⇕	⇕	⇕	⇕	\Updownarrow[p]	up and down double arrow
U+021D6	⇖	⇖	⇖	⇖	⇖	⇖		\Nwarrow	nw pointing double arrow
U+021D7	⇗	⇗	⇗	⇗	⇗	⇗		\Nearrow	ne pointing double arrow
U+021D8	⇘	⇘	⇘	⇘	⇘	⇘		\Searrow	se pointing double arrow
U+021D9	⇙	⇙	⇙	⇙	⇙	⇙		\Swarrow	sw pointing double arrow
U+021DA	⇚	⇚	⇚	⇚	⇚			\Lleftarrow[a]	left triple arrow
U+021DB	⇛	⇛	⇛	⇛	⇛			\Rrightarrow[a]	right triple arrow
U+021DC	⇜	⇜	⇜	⇜	⇜			\leftsquigarrow	leftwards squiggle arrow
U+021DD	⇝	⇝	⇝	⇝	⇝			\rightsquigarrow[a]	rightwards squiggle arrow
U+021E4		⇤	⇤	⇤	⇤			\barleftarrow	leftwards arrow to bar
U+021E5		⇥	⇥	⇥	⇥			\rightarrowbar	rightwards arrow to bar
U+021F4		⇴	⇴	⇴	⇴			\circleonrightarrow	right arrow with small circle
U+021F5	⇵	⇵	⇵	⇵	⇵	⇵		\downuparrows	downwards arrow leftwards of upwards arrow
U+021F6	⇶	⇶	⇶	⇶	⇶	⇶		\rightthreearrows	three rightwards arrows
U+021F7		↚	↚	↚	↚			\nvleftarrow	leftwards arrow with vertical stroke
U+021F8		↛	↛	↛	↛			\nvrightarrow	rightwards arrow with vertical stroke
U+021F9		↮	↮	↮	↮			\nvleftrightarrow	left right arrow with vertical stroke
U+021FA		⇷	⇷	⇷	⇷			\nVleftarrow	leftwards arrow with double vertical stroke
U+021FB		⇸	⇸	⇸	⇸			\nVrightarrow	rightwards arrow with double vertical stroke
U+021FC		⇹	⇹	⇹	⇹			\nVleftrightarrow	left right arrow with double vertical stroke
U+021FD		↜	↜	↜	↜			\leftarrowtriangle	leftwards open-headed arrow
U+021FE		↝	↝	↝	↝			\rightarrowtriangle	rightwards open-headed arrow
U+021FF		↭	↭	↭	↭			\leftrightarrowtriangle	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈		\in[p]	set membership, variant
U+02209	∉	∉	∉	∉	∉	∉		\notin[l]	negated set membership
U+0220A	∊	∊	∊	∊	∊	∊		\smallin	set membership (small set membership)
U+0220B	∋	∋	∋	∋	∋	∋		\ni[p]	contains, variant
U+0220C	∌	∌	∌	∌	∌	∌		\nni	negated contains, variant
U+0220D	∍	∍	∍	∍	∍	∍		\smallni	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝		\propto[p]	is proportional to
U+02223	∣	∣	∣	∣	∣	∣		\mid[p]	/mid r:

USV	M	X	S	C	A	P	E	Macro	Description
U+02224	∤	∤	∤	∤	∤	∤		\nmid[a]	negated mid
U+02225	∥	∥	∥	∥	∥	∥		\parallel[p]	parallel
U+02226	∦	∦	∦	∦	∦	∦		\nparallel[a]	not parallel
U+02236	∶	∶	∶	∶	∶	∶		\mathratio	ratio
U+02237	∷	∷	∷	∷	∷	∷		\Colon	two colons
U+02239	⊢:	−:	−:	−:	−:	−:		\dashcolon	excess (-:)
U+0223A	∺	∺	∺	∺	∺	∺		\dotsminusdots	minus with four dots, geometric properties
U+0223B	∻	∻	∻	∻	∻	∻		\kernelcontraction	homothetic
U+0223C	∼	∼	∼	∼	∼	∼	∼	\sim[p]	similar
U+0223D	∽	∽	∽	∽	∽	∽		\backsim[a]	reverse similar
U+02241	≁	≁	≁	≁	≁	≁		\nsim[a]	not similar
U+02242	≂	≂	≂	≂	≂	≂		\eqsim[a]	equals, similar
U+02243	≃	≃	≃	≃	≃	≃		\simeq[p]	similar, equals
U+02244	≄	≄	≄	≄	≄	≄		\nsime	not similar, equals
U+02245	≅	≅	≅	≅	≅	≅		\cong[l]	congruent with
U+02246	≆	≆	≆	≆	≆	≆		\simneqq	similar, not equals [vert only for 9573 entity]
U+02247	≇	≇	≇	≇	≇	≇		\ncong[a]	not congruent with
U+02248	≈	≈	≈	≈	≈	≈		\approx[p]	approximate
U+02249	≉	≉	≉	≉	≉	≉		\napprox	not approximate
U+0224A	≊	≊	≊	≊	≊	≊		\approxeq[a]	approximate, equals
U+0224B	≋	≋	≋	≋	≋	≋		\approxident	approximately identical to
U+0224C	≌	≌	≌	≌	≌	≌		\backcong	all equal to
U+0224D	≍	≍	≍	≍	≍	≍		\asymp[p]	asymptotically equal to
U+0224E	≎	≎	≎	≎	≎	≎		\Bumpeq[a]	bumpy equals
U+0224F	≏	≏	≏	≏	≏	≏		\bumpeq[a]	bumpy equals, equals
U+02250	≐	≐	≐	≐	≐	≐		\doteq[l]	equals, single dot above
U+02251	≑	≑	≑	≑	≑	≑		\Doteq[a]	/doteqdot /doteq r: equals, even dots
U+02252	≒	≒	≒	≒	≒	≒		\fallingdotseq[a]	equals, falling dots
U+02253	≓	≓	≓	≓	≓	≓		\risingdotseq[a]	equals, rising dots
U+02254	≔	≔	≔	≔	≔	≔		\coloneq	colon, equals
U+02255	≕	≕	≕	≕	≕	≕		\eqcolon	equals, colon
U+02256	≖	≖	≖	≖	≖	≖		\eqcirc[a]	circle on equals sign
U+02257	≗	≗	≗	≗	≗	≗		\circeq[a]	circle, equals
U+02258	≘	≘	≘	≘	≘	≘		\arceq	arc, equals; corresponds to
U+02259	≙	≙	≙	≙	≙	≙		\wedgeq	corresponds to (wedge, equals)
U+0225A	≚	≚	≚	≚	≚	≚		\veeeq	logical or, equals
U+0225B	≛	≛	≛	≛	≛	≛		\stareq	star equals
U+0225C	≜	≜	≜	≜	≜	≜		\triangleq[a]	triangle, equals
U+0225D	≝	≝	≝	≝	≝	≝		\eqdef	equals by definition
U+0225E	≞	≞	≞	≞	≞	≞		\measeq	measured by (m over equals)
U+0225F	≟	≟	≟	≟	≟	≟		\questeq	equal with questionmark
U+02260	≠	≠	≠	≠	≠	≠		\ne[p]	/ne /neq r: not equal
U+02261	≡	≡	≡	≡	≡	≡	≡	\equiv[p]	identical with
U+02262	≢	≢	≢	≢	≢	≢		\nequiv	not identical with
U+02263	≣	≣	≣	≣	≣	≣		\Equiv	strict equivalence (4 lines)
U+02264	≤	≤	≤	≤	≤	≤	≤	\leq[p]	/leq /le r: less-than-or-equal
U+02265	≥	≥	≥	≥	≥	≥	≥	\geq[p]	/geq /ge r: greater-than-or-equal
U+02266	≦	≦	≦	≦	≦	≦		\leqq[a]	less, double equals
U+02267	≧	≧	≧	≧	≧	≧		\geqq[a]	greater, double equals
U+02268	≨	≨	≨	≨	≨	≨		\lneqq[a]	less, not double equals

26

USV	M	X	S	C	A	P	E	Macro	Description
U+02269	≩	≩	≩	≩	≩	≩		\gneqq[a]	greater, not double equals
U+0226A	≪	≪	≪	≪	≪	≪		\ll[p]	much less than, type 2
U+0226B	≫	≫	≫	≫	≫	≫		\gg[p]	much greater than, type 2
U+0226C	≬	≬	≬	≬	≬	≬		\between[a]	between
U+0226D	≭	≭	≭	≭	≭	≭		\nasymp	not asymptotically equal to
U+0226E	≮	≮	≮	≮	≮	≮		\nless[a]	not less-than
U+0226F	≯	≯	≯	≯	≯	≯		\ngtr[a]	not greater-than
U+02270	≰	≰	≰	≰	≰	≰		\nleq[a]	not less-than-or-equal
U+02271	≱	≱	≱	≱	≱	≱		\ngeq[a]	not greater-than-or-equal
U+02272	≲	≲	≲	≲	≲	≲		\lesssim[a]	less, similar
U+02273	≳	≳	≳	≳	≳	≳		\gtrsim[a]	greater, similar
U+02274	≴	≴	≴	≴	≴	≴		\nlesssim	not less, similar
U+02275	≵	≵	≵	≵	≵	≵		\ngtrsim	not greater, similar
U+02276	≶	≶	≶	≶	≶	≶		\lessgtr[a]	less, greater
U+02277	≷	≷	≷	≷	≷	≷		\gtrless[a]	greater, less
U+02278	≸	≸	≸	≸	≸	≸		\nlessgtr	not less, greater
U+02279	≹	≹	≹	≹	≹	≹		\ngtrless	not greater, less
U+0227A	≺	≺	≺	≺	≺	≺		\prec[p]	precedes
U+0227B	≻	≻	≻	≻	≻	≻		\succ[p]	succeeds
U+0227C	≼	≼	≼	≼	≼	≼		\preccurlyeq[a]	precedes, curly equals
U+0227D	≽	≽	≽	≽	≽	≽		\succcurlyeq[a]	succeeds, curly equals
U+0227E	≾	≾	≾	≾	≾	≾		\precsim[a]	precedes, similar
U+0227F	≿	≿	≿	≿	≿	≿		\succsim[a]	succeeds, similar
U+02280	⊀	⊀	⊀	⊀	⊀	⊀		\nprec[a]	not precedes
U+02281	⊁	⊁	⊁	⊁	⊁	⊁		\nsucc[a]	not succeeds
U+02282	⊂	⊂	⊂	⊂	⊂	⊂		\subset[p]	subset or is implied by
U+02283	⊃	⊃	⊃	⊃	⊃	⊃		\supset[p]	superset or implies
U+02284	⊄	⊄	⊄	⊄	⊄	⊄		\nsubset	not subset, variant [slash negation]
U+02285	⊅	⊅	⊅	⊅	⊅	⊅		\nsupset	not superset, variant [slash negation]
U+02286	⊆	⊆	⊆	⊆	⊆	⊆		\subseteq[p]	subset, equals
U+02287	⊇	⊇	⊇	⊇	⊇	⊇		\supseteq[p]	superset, equals
U+02288	⊈	⊈	⊈	⊈	⊈	⊈		\nsubseteq[a]	not subset, equals
U+02289	⊉	⊉	⊉	⊉	⊉	⊉		\nsupseteq[a]	not superset, equals
U+0228A	⊊	⊊	⊊	⊊	⊊	⊊		\subsetneq[a]	subset, not equals
U+0228B	⊋	⊋	⊋	⊋	⊋	⊋		\supsetneq[a]	superset, not equals
U+0228F	⊏	⊏	⊏	⊏	⊏	⊏		\sqsubset	square subset
U+02290	⊐	⊐	⊐	⊐	⊐	⊐		\sqsupset	square superset
U+02291	⊑	⊑	⊑	⊑	⊑	⊑		\sqsubseteq[p]	square subset, equals
U+02292	⊒	⊒	⊒	⊒	⊒	⊒		\sqsupseteq[p]	square superset, equals
U+022A2	⊢	⊢	⊢	⊢	⊢	⊢		\vdash[p]	vertical, dash
U+022A3	⊣	⊣	⊣	⊣	⊣	⊣		\dashv[p]	dash, vertical
U+022A6	⊦	⊦	⊦	⊦	⊦	⊦		\assert	assertion (vertical, short dash)
U+022A7	⊧	⊧	⊧	⊧	⊧	⊧		\models[p]	models (vertical, short double dash)
U+022A8	⊨	⊨	⊨	⊨	⊨	⊨		\vDash[a]	vertical, double dash
U+022A9	⊩	⊩	⊩	⊩	⊩	⊩		\Vdash[a]	double vertical, dash
U+022AA	⊪	⊪	⊪	⊪	⊪	⊪		\Vvdash[a]	triple vertical, dash
U+022AB	⊫	⊫	⊫	⊫	⊫	⊫		\VDash	double vert, double dash
U+022AC	⊬	⊬	⊬	⊬	⊬	⊬		\nvdash[a]	not vertical, dash
U+022AD	⊭	⊭	⊭	⊭	⊭	⊭		\nvDash[a]	not vertical, double dash
U+022AE	⊮	⊮	⊮	⊮	⊮	⊮		\nVdash[a]	not double vertical, dash

USV	M	X	S	C	A	P	E	Macro	Description
U+022AF								\nVDash[a]	not double vert, double dash
U+022B0								\prurel	element precedes under relation
U+022B1								\scurel	succeeds under relation
U+022B2								\vartriangleleft[a]	left triangle, open, variant
U+022B3								\vartriangleright[a]	right triangle, open, variant
U+022B4								\trianglelefteq[a]	left triangle, equals
U+022B5								\trianglerighteq[a]	right triangle, equals
U+022B6								\origof	original of
U+022B7								\imageof	image of
U+022B8								\multimap[a]	/multimap a:
U+022C8								\bowtie[p]	bowtie
U+022CD								\backsimeq[a]	reverse similar, equals
U+022D0								\Subset[a]	double subset
U+022D1								\Supset[a]	double superset
U+022D4								\pitchfork[a]	pitchfork
U+022D5								\equalparallel	parallel, equal; equal or parallel
U+022D6								\lessdot[a]	less than, with dot
U+022D7								\gtrdot[a]	greater than, with dot
U+022D8								\lll[a]	/ll /lll /lless r: triple less-than
U+022D9								\ggg[a]	/ggg /gg /gggtr r: triple greater-than
U+022DA								\lesseqgtr[a]	less, equals, greater
U+022DB								\gtreqless[a]	greater, equals, less
U+022DC								\eqless	equal-or-less
U+022DD								\eqgtr	equal-or-greater
U+022DE								\curlyeqprec[a]	curly equals, precedes
U+022DF								\curlyeqsucc[a]	curly equals, succeeds
U+022E0								\npreccurlyeq	not precedes, curly equals
U+022E1								\nsucccurlyeq	not succeeds, curly equals
U+022E2								\nsqsubseteq	not, square subset, equals
U+022E3								\nsqsupseteq	not, square superset, equals
U+022E4								\sqsubsetneq	square subset, not equals
U+022E5								\sqsupsetneq	square superset, not equals
U+022E6								\lnsim[a]	less, not similar
U+022E7								\gnsim[a]	greater, not similar
U+022E8								\precnsim[a]	precedes, not similar
U+022E9								\succnsim[a]	succeeds, not similar
U+022EA								\nvartriangleleft	not left triangle
U+022EB								\nvartriangleright	not right triangle
U+022EC								\ntrianglelefteq[a]	not left triangle, equals
U+022ED								\ntrianglerighteq[a]	not right triangle, equals
U+022EE								\vdots[p]	vertical ellipsis
U+022F0								\adots	three dots, ascending
U+022F1								\ddots[p]	three dots, descending
U+022F2								\disin	element of with long horizontal stroke
U+022F3								\varisins	element of with vertical bar at end of horizontal stroke
U+022F4								\isins	small element of with vertical bar at end of horizontal stroke
U+022F5								\isindot	element of with dot above
U+022F6								\varisinobar	element of with overbar
U+022F7								\isinobar	small element of with overbar
U+022F8								\isinvb	element of with underbar

USV	M	X	S	C	A	P	E	Macro	Description
U+022F9		∈	∈	∈	∈			`\isinE`	element of with two horizontal strokes
U+022FA		∋	∋	∋	∋			`\nisd`	contains with long horizontal stroke
U+022FB		∋	∋	∋	∋			`\varnis`	contains with vertical bar at end of horizontal stroke
U+022FC		∋	∋	∋	∋			`\nis`	small contains with vertical bar at end of horizontal stroke
U+022FD		∋	∋	∋	∋			`\varniobar`	contains with overbar
U+022FE		∋	∋	∋	∋			`\niobar`	small contains with overbar
U+022FF		⋿	⋿	⋿	⋿			`\bagmember`	z notation bag membership
U+02322	⌢	⌢	⌢		⌢	⌢		`\frown`[p]	down curve
U+02323	⌣	⌣	⌣		⌣	⌣		`\smile`[p]	up curve
U+0233F		⌿	⌿					`\APLnotslash`	solidus, bar through (apl functional symbol slash bar)
U+025B5		△	△					`\vartriangle`[a]	/triangle - up triangle, open
U+027C2	⊥	⊥	⊥		⊥	⊥		`\perp`[p]	perpendicular
U+027C8		⟈	⟈		⟈			`\bsolhsub`	reverse solidus preceding subset
U+027C9		⟉	⟉		⟉			`\suphsol`	superset preceding solidus
U+027D2		⟒	⟒		⟒			`\upin`	element of opening upwards
U+027D3		⟓	⟓		⟓			`\pullback`	lower right corner with dot
U+027D4		⟔	⟔		⟔			`\pushout`	upper left corner with dot
U+027DA	⟚	⟚	⟚		⟚	⟚		`\DashVDash`	left and right double turnstile
U+027DB	⟛	⟛	⟛		⟛	⟛		`\dashVdash`	left and right tack
U+027DC	⊸	⊸	⊸		⊸			`\multimapinv`	left multimap
U+027DD	⟝	⟝	⟝		⟝	⟝		`\vlongdash`	long left tack
U+027DE	⟞	⟞	⟞		⟞	⟞		`\longdashv`	long right tack
U+027DF		⟟	⟟		⟟			`\cirbot`	up tack with circle above
U+027F0		⟰	⟰	⟰	⟰			`\UUparrow`	upwards quadruple arrow
U+027F1		⟱	⟱	⟱	⟱			`\DDownarrow`	downwards quadruple arrow
U+027F2		⟲	⟲	⟲	⟲			`\acwgapcirclearrow`	anticlockwise gapped circle arrow
U+027F3		⟳	⟳	⟳	⟳			`\cwgapcirclearrow`	clockwise gapped circle arrow
U+027F4	⟴	⟴	⟴	⟴	⟴	⟴		`\rightarrowonoplus`	right arrow with circled plus
U+027F5	⟵	⟵	⟵	⟵	⟵	⟵		`\longleftarrow`[p]	long leftwards arrow
U+027F6	⟶	⟶	⟶	⟶	⟶	⟶		`\longrightarrow`[p]	long rightwards arrow
U+027F7	⟷	⟷	⟷	⟷	⟷	⟷		`\longleftrightarrow`[p]	long left right arrow
U+027F8	⟸	⟸	⟸	⟸	⟸	⟸		`\Longleftarrow`[p]	long leftwards double arrow
U+027F9	⟹	⟹	⟹	⟹	⟹	⟹		`\Longrightarrow`[p]	long rightwards double arrow
U+027FA	⟺	⟺	⟺	⟺	⟺	⟺		`\Longleftrightarrow`[p]	long left right double arrow
U+027FB	⟻	⟻	⟻	⟻	⟻	⟻		`\longmapsfrom`	long leftwards arrow from bar
U+027FC	⟼	⟼	⟼	⟼	⟼	⟼		`\longmapsto`[p]	long rightwards arrow from bar
U+027FD	⟽	⟽	⟽	⟽	⟽	⟽		`\Longmapsfrom`	long leftwards double arrow from bar
U+027FE	⟾	⟾	⟾	⟾	⟾	⟾		`\Longmapsto`	long rightwards double arrow from bar
U+027FF	⟿	⟿	⟿	⟿	⟿			`\longrightsquigarrow`	long rightwards squiggle arrow
U+02900		⤀	⤀	⤀	⤀			`\nvtwoheadrightarrow`	rightwards two-headed arrow with vertical stroke
U+02901		⤁	⤁	⤁	⤁			`\nVtwoheadrightarrow`	rightwards two-headed arrow with double vertical stroke
U+02902		⤂	⤂	⤂	⤂			`\nvLeftarrow`	leftwards double arrow with vertical stroke
U+02903		⤃	⤃	⤃	⤃			`\nvRightarrow`	rightwards double arrow with vertical stroke
U+02904		⤄	⤄	⤄	⤄			`\nvLeftrightarrow`	left right double arrow with vertical stroke
U+02905		⤅	⤅	⤅	⤅			`\twoheadmapsto`	rightwards two-headed arrow from bar
U+02906	⤆	⤆	⤆	⤆	⤆	⤆		`\Mapsfrom`	leftwards double arrow from bar
U+02907	⤇	⤇	⤇	⤇	⤇	⤇		`\Mapsto`	rightwards double arrow from bar
U+02908		⤈	⤈	⤈	⤈			`\downarrowbarred`	downwards arrow with horizontal stroke
U+02909		⤉	⤉	⤉	⤉			`\uparrowbarred`	upwards arrow with horizontal stroke

USV	M	X	S	C	A	P	E	Macro	Description
U+0290A		⟰	⟰	⟰	⟰			\Uuparrow	upwards triple arrow
U+0290B		⟱	⟱	⟱	⟱			\Ddownarrow	downwards triple arrow
U+0290C		⤌	⤌	⤌	⤌			\leftbkarrow	leftwards double dash arrow
U+0290D		⤍	⤍	⤍	⤍			\rightbkarrow	rightwards double dash arrow
U+0290E		⤎	⤎	⤎	⤎			\leftdbkarrow	leftwards triple dash arrow
U+0290F		⤏	⤏	⤏	⤏			\dbkarrow	rightwards triple dash arrow
U+02910		⤐	⤐	⤐	⤐			\drbkarrow	rightwards two-headed triple dash arrow
U+02911		⤑	⤑	⤑	⤑			\rightdotarrow	rightwards arrow with dotted stem
U+02912		⤒	⤒	⤒	⤒			\baruparrow	upwards arrow to bar
U+02913		⤓	⤓	⤓	⤓			\downarrowbar	downwards arrow to bar
U+02914		⤔	⤔	⤔	⤔			\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915		⤕	⤕	⤕	⤕			\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916		⤖	⤖	⤖	⤖			\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917		⤗	⤗	⤗	⤗			\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		⤘	⤘	⤘	⤘			\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		⤙	⤙	⤙	⤙			\lefttail	leftwards arrow-tail
U+0291A		⤚	⤚	⤚	⤚			\righttail	rightwards arrow-tail
U+0291B		⤛	⤛	⤛	⤛			\leftdbltail	leftwards double arrow-tail
U+0291C		⤜	⤜	⤜	⤜			\rightdbltail	rightwards double arrow-tail
U+0291D		⤝	⤝	⤝	⤝			\diamondleftarrow	leftwards arrow to black diamond
U+0291E		⤞	⤞	⤞	⤞			\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		⤟	⤟	⤟	⤟			\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		⤠	⤠	⤠	⤠			\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921		⤡	⤡	⤡	⤡			\nwsearrow	north west and south east arrow
U+02922		⤢	⤢	⤢	⤢			\neswarrow	north east and south west arrow
U+02923		⤣	⤣	⤣	⤣			\hknwarrow	north west arrow with hook
U+02924		⤤	⤤	⤤	⤤			\hknearrow	north east arrow with hook
U+02925		⤥	⤥	⤥	⤥			\hksearrow	south east arrow with hook
U+02926		⤦	⤦	⤦	⤦			\hkswarrow	south west arrow with hook
U+02927		⤧	⤧	⤧	⤧			\tona	north west arrow and north east arrow
U+02928		⤨	⤨	⤨	⤨			\toea	north east arrow and south east arrow
U+02929		⤩	⤩	⤩	⤩			\tosa	south east arrow and south west arrow
U+0292A		⤪	⤪	⤪	⤪			\towa	south west arrow and north west arrow
U+02933		⤳	⤳	⤳	⤳			\rightcurvedarrow	wave arrow pointing directly right
U+02936		⤶	⤶	⤶	⤶			\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
U+02937		⤷	⤷	⤷	⤷			\rightdowncurvedarrow	arrow pointing downwards then curving rightwards
U+02938		⤸	⤸	⤸	⤸			\cwrightarcarrow	right-side arc clockwise arrow
U+02939		⤹	⤹	⤹	⤹			\acwleftarcarrow	left-side arc anticlockwise arrow
U+0293A		⤺	⤺	⤺	⤺			\acwoverarcarrow	top arc anticlockwise arrow
U+0293B		⤻	⤻	⤻	⤻			\acwunderarcarrow	bottom arc anticlockwise arrow
U+0293C		⤼	⤼	⤼	⤼			\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D		⤽	⤽	⤽	⤽			\curvearrowleftplus	top arc anticlockwise arrow with plus
U+0293E		⤾	⤾	⤾	⤾			\cwundercurvearrow	lower right semicircular clockwise arrow
U+0293F		⤿	⤿	⤿	⤿			\ccwundercurvearrow	lower left semicircular anticlockwise arrow
U+02940		⥀	⥀	⥀	⥀			\acwcirclearrow	anticlockwise closed circle arrow
U+02941		⥁	⥁	⥁	⥁			\cwcirclearrow	clockwise closed circle arrow
U+02942		⥂	⥂	⥂	⥂			\rightarrowshortleftarrow	rightwards arrow above short leftwards arrow
U+02943		⥃	⥃	⥃	⥃			\leftarrowshortrightarrow	leftwards arrow above short rightwards arrow
U+02944		⥄	⥄	⥄	⥄			\shortrightarrowleftarrow	short rightwards arrow above leftwards arrow

USV	M	X	S	C	A	P	E	Macro	Description
U+02945		⇾	⇾	⇾	⇾			`\rightarrowplus`	rightwards arrow with plus below
U+02946		⇽	⇽	⇽	⇽			`\leftarrowplus`	leftwards arrow with plus below
U+02947		⥇	⥇	⥇	⥇			`\rightarrowx`	rightwards arrow through x
U+02948		⥈	⥈	⥈	⥈			`\leftrightarrowcircle`	left right arrow through small circle
U+02949		⥉	⥉	⥉	⥉			`\twoheaduparrowcircle`	upwards two-headed arrow from small circle
U+0294A		⥊	⥊	⥊	⥊			`\leftrightharpoonupdown`	left barb up right barb down harpoon
U+0294B		⥋	⥋	⥋	⥋			`\leftrightharpoondownup`	left barb down right barb up harpoon
U+0294C		⥌	⥌	⥌	⥌			`\updownharpoonrightleft`	up barb right down barb left harpoon
U+0294D		⥍	⥍	⥍	⥍			`\updownharpoonleftright`	up barb left down barb right harpoon
U+0294E		⥎	⥎	⥎	⥎			`\leftrightharpoonupup`	left barb up right barb up harpoon
U+0294F		⥏	⥏	⥏	⥏			`\updownharpoonrightright`	up barb right down barb right harpoon
U+02950		⥐	⥐	⥐	⥐			`\leftrightharpoondowndown`	left barb down right barb down harpoon
U+02951		⥑	⥑	⥑	⥑			`\updownharpoonleftleft`	up barb left down barb left harpoon
U+02952		⥒	⥒	⥒	⥒			`\barleftharpoonup`	leftwards harpoon with barb up to bar
U+02953		⥓	⥓	⥓	⥓			`\rightharpoonupbar`	rightwards harpoon with barb up to bar
U+02954		⥔	⥔	⥔	⥔			`\barupharpoonright`	upwards harpoon with barb right to bar
U+02955		⥕	⥕	⥕	⥕			`\downharpoonrightbar`	downwards harpoon with barb right to bar
U+02956		⥖	⥖	⥖	⥖			`\barleftharpoondown`	leftwards harpoon with barb down to bar
U+02957		⥗	⥗	⥗	⥗			`\rightharpoondownbar`	rightwards harpoon with barb down to bar
U+02958		⥘	⥘	⥘	⥘			`\barupharpoonleft`	upwards harpoon with barb left to bar
U+02959		⥙	⥙	⥙	⥙			`\downharpoonleftbar`	downwards harpoon with barb left to bar
U+0295A		⥚	⥚	⥚	⥚			`\leftharpoonupbar`	leftwards harpoon with barb up from bar
U+0295B		⥛	⥛	⥛	⥛			`\barrightharpoonup`	rightwards harpoon with barb up from bar
U+0295C		⥜	⥜	⥜	⥜			`\upharpoonrightbar`	upwards harpoon with barb right from bar
U+0295D		⥝	⥝	⥝	⥝			`\bardownharpoonright`	downwards harpoon with barb right from bar
U+0295E		⥞	⥞	⥞	⥞			`\leftharpoondownbar`	leftwards harpoon with barb down from bar
U+0295F		⥟	⥟	⥟	⥟			`\barrightharpoondown`	rightwards harpoon with barb down from bar
U+02960		⥠	⥠	⥠	⥠			`\upharpoonleftbar`	upwards harpoon with barb left from bar
U+02961		⥡	⥡	⥡	⥡			`\bardownharpoonleft`	downwards harpoon with barb left from bar
U+02962		⥢	⥢	⥢	⥢			`\leftharpoonsupdown`	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⥣	⥣	⥣	⥣			`\upharpoonsleftright`	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⥤	⥤	⥤	⥤			`\rightharpoonsupdown`	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⥥	⥥	⥥	⥥			`\downharpoonsleftright`	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⥦	⥦	⥦	⥦			`\leftrightharpoonsup`	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⥧	⥧	⥧	⥧			`\leftrightharpoonsdown`	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⥨	⥨	⥨	⥨			`\rightleftharpoonsup`	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⥩	⥩	⥩	⥩			`\rightleftharpoonsdown`	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⥪	⥪	⥪	⥪			`\leftharpoonupdash`	leftwards harpoon with barb up above long dash
U+0296B		⥫	⥫	⥫	⥫			`\dashleftharpoondown`	leftwards harpoon with barb down below long dash
U+0296C		⥬	⥬	⥬	⥬			`\rightharpoonupdash`	rightwards harpoon with barb up above long dash
U+0296D		⥭	⥭	⥭	⥭			`\dashrightharpoondown`	rightwards harpoon with barb down below long dash
U+0296E		⥮	⥮	⥮	⥮			`\updownharpoonsleftright`	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⥯	⥯	⥯	⥯			`\downupharpoonsleftright`	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⥰	⥰	⥰	⥰			`\rightimply`	right double arrow with rounded head
U+02971		⥱	⥱	⥱	⥱			`\equalrightarrow`	equals sign above rightwards arrow

USV	M	X	S	C	A	P	E	Macro	Description
U+02972		⇌	⇌	⇌	⇌			\similarrightarrow	tilde operator above rightwards arrow
U+02973		⬳	⬳	⬳	⬳			\leftarrowsimilar	leftwards arrow above tilde operator
U+02974		⥴	⥴	⥴	⥴			\rightarrowsimilar	rightwards arrow above tilde operator
U+02975		⥵	⥵	⥵	⥵			\rightarrowapprox	rightwards arrow above almost equal to
U+02976		⥶	⥶	⥶	⥶			\ltlarr	less-than above leftwards arrow
U+02977		⥷	⥷	⥷	⥷			\leftarrowless	leftwards arrow through less-than
U+02978		⥸	⥸	⥸	⥸			\gtrarr	greater-than above rightwards arrow
U+02979		⥹	⥹	⥹	⥹			\subrarr	subset above rightwards arrow
U+0297A		⥺	⥺	⥺	⥺			\leftarrowsubset	leftwards arrow through subset
U+0297B		⥻	⥻	⥻	⥻			\suplarr	superset above leftwards arrow
U+0297C		⥼	⥼	⥼	⥼			\leftfishtail	left fish tail
U+0297D		⥽	⥽	⥽	⥽			\rightfishtail	right fish tail
U+0297E		⥾	⥾	⥾	⥾			\upfishtail	up fish tail
U+0297F		⥿	⥿	⥿	⥿			\downfishtail	down fish tail
U+029CE		⧎	⧎		⧎			\rtriltri	right triangle above left triangle
U+029CF		⧏	⧏		⧏			\ltrivb	left triangle beside vertical bar
U+029D0		⧐	⧐		⧐			\vbrtri	vertical bar beside right triangle
U+029D1		⧑	⧑		⧑			\lfbowtie	left black bowtie
U+029D2		⧒	⧒		⧒			\rfbowtie	right black bowtie
U+029D3		⧓	⧓		⧓			\fbowtie	black bowtie
U+029D4		⧔	⧔		⧔			\lftimes	left black times
U+029D5		⧕	⧕		⧕			\rftimes	right black times
U+029DF		⧟	⧟		⧟			\dualmap	double-ended multimap
U+029E1		⧡	⧡		⧡			\lrtriangleeq	increases as
U+029E3		⧣	⧣		⧣			\eparsl	equals sign and slanted parallel
U+029E4		⧤	⧤		⧤			\smeparsl	equals sign and slanted parallel with tilde above
U+029E5		⧥	⧥		⧥			\eqvparsl	identical to and slanted parallel
U+029E6		⧦	⧦		⧦			\gleichstark	gleich stark
U+029F4		⧴	⧴		⧴			\ruledelayed	rule-delayed
U+02A59		⩙	⩙		⩙			\veeonwedge	logical or overlapping logical and
U+02A66		⩦	⩦		⩦			\eqdot	equals sign with dot below
U+02A67		⩧	⩧		⩧			\dotequiv	identical with dot above
U+02A68		⩨	⩨		⩨			\equivVert	triple horizontal bar with double vertical stroke
U+02A69		⩩	⩩		⩩			\equivVvert	triple horizontal bar with triple vertical stroke
U+02A6A		⩪	⩪		⩪			\dotsim	tilde operator with dot above
U+02A6B		⩫	⩫		⩫			\simrdots	tilde operator with rising dots
U+02A6C		⩬	⩬		⩬			\simminussim	similar minus similar
U+02A6D		⩭	⩭		⩭			\congdot	congruent with dot above
U+02A6E		⩮	⩮		⩮			\asteq	equals with asterisk
U+02A6F		⩯	⩯		⩯			\hatapprox	almost equal to with circumflex accent
U+02A70		⩰	⩰		⩰			\approxeqq	approximately equal or equal to
U+02A73		⩳	⩳		⩳			\eqqsim	equals sign above tilde operator
U+02A74		⩴	⩴		⩴			\Coloneq	double colon equal
U+02A75		⩵	⩵		⩵			\eqeq	two consecutive equals signs
U+02A76		⩶	⩶		⩶			\eqeqeq	three consecutive equals signs
U+02A77		⩷	⩷		⩷			\ddotseq	equals sign with two dots above and two dots below
U+02A78		⩸	⩸		⩸			\equivDD	equivalent with four dots above
U+02A79		⩹	⩹		⩹			\ltcir	less-than with circle inside
U+02A7A		⩺	⩺		⩺			\gtcir	greater-than with circle inside
U+02A7B		⩻	⩻		⩻			\ltquest	less-than with question mark above

32

USV	M	X	S	C	A	P	E	Macro	Description
U+02A7C		⪼	⪼		⪼			`\gtquest`	greater-than with question mark above
U+02A7D	⩽	⩽	⩽		⩽	⩽		`\leqslant`[a]	less-than or slanted equal to
U+02A7E	⩾	⩾	⩾		⩾	⩾		`\geqslant`[a]	greater-than or slanted equal to
U+02A7F		⩿	⩿		⩿			`\lesdot`	less-than or slanted equal to with dot inside
U+02A80		⪀	⪀		⪀			`\gesdot`	greater-than or slanted equal to with dot inside
U+02A81		⪁	⪁		⪁			`\lesdoto`	less-than or slanted equal to with dot above
U+02A82		⪂	⪂		⪂			`\gesdoto`	greater-than or slanted equal to with dot above
U+02A83		⪃	⪃		⪃			`\lesdotor`	less-than or slanted equal to with dot above right
U+02A84		⪄	⪄		⪄			`\gesdotol`	greater-than or slanted equal to with dot above left
U+02A85	⪅	⪅	⪅		⪅	⪅		`\lessapprox`[a]	less-than or approximate
U+02A86	⪆	⪆	⪆		⪆	⪆		`\gtrapprox`[a]	greater-than or approximate
U+02A87	⪇	⪇	⪇		⪇	⪇		`\lneq`[a]	less-than and single-line not equal to
U+02A88	⪈	⪈	⪈		⪈	⪈		`\gneq`[a]	greater-than and single-line not equal to
U+02A89	⪉	⪉	⪉		⪉	⪉		`\lnapprox`[a]	less-than and not approximate
U+02A8A	⪊	⪊	⪊		⪊	⪊		`\gnapprox`[a]	greater-than and not approximate
U+02A8B	⪋	⪋	⪋		⪋	⪋		`\lesseqqgtr`[a]	less-than above double-line equal above greater-than
U+02A8C	⪌	⪌	⪌		⪌	⪌		`\gtreqqless`[a]	greater-than above double-line equal above less-than
U+02A8D		⪍	⪍		⪍			`\lsime`	less-than above similar or equal
U+02A8E		⪎	⪎		⪎			`\gsime`	greater-than above similar or equal
U+02A8F		⪏	⪏		⪏			`\lsimg`	less-than above similar above greater-than
U+02A90		⪐	⪐		⪐			`\gsiml`	greater-than above similar above less-than
U+02A91		⪑	⪑		⪑			`\lgE`	less-than above greater-than above double-line equal
U+02A92		⪒	⪒		⪒			`\glE`	greater-than above less-than above double-line equal
U+02A93		⪓	⪓		⪓			`\lesges`	less-than above slanted equal above greater-than above slanted equal
U+02A94		⪔	⪔		⪔			`\gesles`	greater-than above slanted equal above less-than above slanted equal
U+02A95	⪕	⪕	⪕		⪕	⪕		`\eqslantless`[a]	slanted equal to or less-than
U+02A96	⪖	⪖	⪖		⪖	⪖		`\eqslantgtr`[a]	slanted equal to or greater-than
U+02A97		⪗	⪗		⪗			`\elsdot`	slanted equal to or less-than with dot inside
U+02A98		⪘	⪘		⪘			`\egsdot`	slanted equal to or greater-than with dot inside
U+02A99		⪙	⪙		⪙			`\eqqless`	double-line equal to or less-than
U+02A9A		⪚	⪚		⪚			`\eqqgtr`	double-line equal to or greater-than
U+02A9B		⪛	⪛		⪛			`\eqqslantless`	double-line slanted equal to or less-than
U+02A9C		⪜	⪜		⪜			`\eqqslantgtr`	double-line slanted equal to or greater-than
U+02A9D		⪝	⪝		⪝			`\simless`	similar or less-than
U+02A9E		⪞	⪞		⪞			`\simgtr`	similar or greater-than
U+02A9F		⪟	⪟		⪟			`\simlE`	similar above less-than above equals sign
U+02AA0		⪠	⪠		⪠			`\simgE`	similar above greater-than above equals sign
U+02AA1		⪡	⪡		⪡			`\Lt`	double nested less-than
U+02AA2		⪢	⪢		⪢			`\Gt`	double nested greater-than
U+02AA3		⪣	⪣		⪣			`\partialmeetcontraction`	double less-than with underbar
U+02AA4		⪤	⪤		⪤			`\glj`	greater-than overlapping less-than
U+02AA5		⪥	⪥		⪥			`\gla`	greater-than beside less-than
U+02AA6		⪦	⪦		⪦			`\ltcc`	less-than closed by curve
U+02AA7		⪧	⪧		⪧			`\gtcc`	greater-than closed by curve
U+02AA8		⪨	⪨		⪨			`\lescc`	less-than closed by curve above slanted equal
U+02AA9		⪩	⪩		⪩			`\gescc`	greater-than closed by curve above slanted equal
U+02AAA		⪪	⪪		⪪			`\smt`	smaller than
U+02AAB		⪫	⪫		⪫			`\lat`	larger than

USV	M	X	S	C	A	P	E	Macro	Description
U+02AAC		⪬	⪬		⪬			\smte	smaller than or equal to
U+02AAD		⪭	⪭		⪭			\late	larger than or equal to
U+02AAE		⪮	⪮		⪮			\bumpeqq	equals sign with bumpy above
U+02AAF	⪯	⪯	⪯		⪯	⪯		\preceq[p]	precedes above single-line equals sign
U+02AB0	⪰	⪰	⪰		⪰	⪰		\succeq[p]	succeeds above single-line equals sign
U+02AB1		⪱	⪱		⪱			\precneq	precedes above single-line not equal to
U+02AB2		⪲	⪲		⪲			\succneq	succeeds above single-line not equal to
U+02AB3		⪳	⪳		⪳			\preceqq	precedes above equals sign
U+02AB4		⪴	⪴		⪴			\succeqq	succeeds above equals sign
U+02AB5		⪵	⪵		⪵			\precneqq[a]	precedes above not equal to
U+02AB6		⪶	⪶		⪶			\succneqq[a]	succeeds above not equal to
U+02AB7		⪷	⪷		⪷			\precapprox[a]	precedes above almost equal to
U+02AB8		⪸	⪸		⪸			\succapprox[a]	succeeds above almost equal to
U+02AB9		⪹	⪹		⪹			\precnapprox[a]	precedes above not almost equal to
U+02ABA		⪺	⪺		⪺			\succnapprox[a]	succeeds above not almost equal to
U+02ABB		⪻	⪻		⪻			\Prec	double precedes
U+02ABC		⪼	⪼		⪼			\Succ	double succeeds
U+02ABD		⪽	⪽		⪽			\subsetdot	subset with dot
U+02ABE		⪾	⪾		⪾			\supsetdot	superset with dot
U+02ABF		⪿	⪿		⪿			\subsetplus	subset with plus sign below
U+02AC0		⫀	⫀		⫀			\supsetplus	superset with plus sign below
U+02AC1		⫁	⫁		⫁			\submult	subset with multiplication sign below
U+02AC2		⫂	⫂		⫂			\supmult	superset with multiplication sign below
U+02AC3		⫃	⫃		⫃			\subedot	subset of or equal to with dot above
U+02AC4		⫄	⫄		⫄			\supedot	superset of or equal to with dot above
U+02AC5		⫅	⫅		⫅			\subseteqq[a]	subset of above equals sign
U+02AC6		⫆	⫆		⫆			\supseteqq[a]	superset of above equals sign
U+02AC7		⫇	⫇		⫇			\subsim	subset of above tilde operator
U+02AC8		⫈	⫈		⫈			\supsim	superset of above tilde operator
U+02AC9		⫉	⫉		⫉			\subsetapprox	subset of above almost equal to
U+02ACA		⫊	⫊		⫊			\supsetapprox	superset of above almost equal to
U+02ACB		⫋	⫋		⫋			\subsetneqq[a]	subset of above not equal to
U+02ACC		⫌	⫌		⫌			\supsetneqq[a]	superset of above not equal to
U+02ACD		⫍	⫍		⫍			\lsqhook	square left open box operator
U+02ACE		⫎	⫎		⫎			\rsqhook	square right open box operator
U+02ACF		⫏	⫏		⫏			\csub	closed subset
U+02AD0		⫐	⫐		⫐			\csup	closed superset
U+02AD1		⫑	⫑		⫑			\csube	closed subset or equal to
U+02AD2		⫒	⫒		⫒			\csupe	closed superset or equal to
U+02AD3		⫓	⫓		⫓			\subsup	subset above superset
U+02AD4		⫔	⫔		⫔			\supsub	superset above subset
U+02AD5		⫕	⫕		⫕			\subsub	subset above subset
U+02AD6		⫖	⫖		⫖			\supsup	superset above superset
U+02AD7		⫗	⫗		⫗			\suphsub	superset beside subset
U+02AD8		⫘	⫘		⫘			\supdsub	superset beside and joined by dash with subset
U+02AD9		⫙	⫙		⫙			\forkv	element of opening downwards
U+02ADA		⫚	⫚		⫚			\topfork	pitchfork with tee top
U+02ADB		⫛	⫛		⫛			\mlcp	transversal intersection
U+02ADC		⫝̸	⫝̸		⫝̸			\forks	forking
U+02ADD		⫝	⫝		⫝			\forksnot	nonforking

USV	M	X	S	C	A	P	E	Macro	Description
U+02ADE		⊣	⊣		⊣			\shortlefttack	short left tack
U+02ADF		⊤	⊤		⊤			\shortdowntack	short down tack
U+02AE0		⊥	⊥		⊥			\shortuptack	short up tack
U+02AE2		⊫	⊫		⊫			\vDdash	vertical bar triple right turnstile
U+02AE3		⊣	⊣		⊣			\dashV	double vertical bar left turnstile
U+02AE4		⊣	⊣		⊣			\Dashv	vertical bar double left turnstile
U+02AE5		⊣	⊣		⊣			\DashV	double vertical bar double left turnstile
U+02AE6		⊩	⊩		⊩			\varVdash	long dash from left member of double vertical
U+02AE7		⊤	⊤		⊤			\Barv	short down tack with overbar
U+02AE8		⊥	⊥		⊥			\vBar	short up tack with underbar
U+02AE9		⊥	⊥		⊥			\vBarv	short up tack above short down tack
U+02AEA		⊤⊤	⊤⊤		⊤⊤			\barV	double down tack
U+02AEB		⊥⊥	⊥⊥		⊥⊥			\Vbar	double up tack
U+02AEC		⊐	⊐		⊐			\Not	double stroke not sign
U+02AED		⊏	⊏		⊏			\bNot	reversed double stroke not sign
U+02AEE		∤	∤		∤			\revnmid	does not divide with reversed negation slash
U+02AEF		⌀	⌀		⌀			\cirmid	vertical line with circle above
U+02AF0		⌀	⌀		⌀			\midcir	vertical line with circle below
U+02AF2		∦	∦		∦			\nhpar	parallel with horizontal stroke
U+02AF3		∦	∦		∦			\parsim	parallel with tilde operator
U+02AF7		⋘	⋘		⋘			\lllnest	stacked very much less-than
U+02AF8		⋙	⋙		⋙			\gggnest	stacked very much greater-than
U+02AF9		≤	≤		≤			\leqqslant	double-line slanted less-than or equal to
U+02AFA		≥	≥		≥			\geqqslant	double-line slanted greater-than or equal to
U+02B30		↤	↤		↤			\circleonleftarrow	left arrow with small circle
U+02B31	⇚	⇚	⇚		⇚	⇚		\leftthreearrows	three leftwards arrows
U+02B32		↤	↤		↤			\leftarrowonoplus	left arrow with circled plus
U+02B33	↜	↜	↜		↜			\longleftsquigarrow	long leftwards squiggle arrow
U+02B34		↞	↞		↞			\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke
U+02B35		↞	↞		↞			\nVtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
U+02B36		↤	↤		↤			\twoheadmapsfrom	leftwards two-headed arrow from bar
U+02B37		↞	↞		↞			\twoheadleftdbkarrow	leftwards two-headed triple-dash arrow
U+02B38		↜	↜		↜			\leftdotarrow	leftwards arrow with dotted stem
U+02B39		↢	↢		↢			\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A		↢	↢		↢			\nVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B		↢	↢		↢			\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C		↢	↢		↢			\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		↢	↢		↢			\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↤	↤		↤			\leftarrowx	leftwards arrow through x
U+02B3F		↶	↶		↶			\leftcurvedarrow	wave arrow pointing directly left
U+02B40		⇐	⇐		⇐			\equalleftarrow	equals sign above leftwards arrow
U+02B41		↜	↜		↜			\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42		↜	↜		↜			\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43		⇻	⇻		⇻			\rightarrowgtr	rightwards arrow through greater-than
U+02B44		⇻	⇻		⇻			\rightarrowsupset	rightwards arrow through subset
U+02B45		⇚	⇚		⇚			\LLeftarrow	leftwards quadruple arrow
U+02B46		⇛	⇛		⇛			\RRightarrow	rightwards quadruple arrow
U+02B47		⇁	⇁		⇁			\bsimilarrightarrow	reverse tilde operator above rightwards arrow
U+02B48		⇁	⇁		⇁			\rightarrowbackapprox	rightwards arrow above reverse almost equal to

USV	M	X	S	C	A	P	E	Macro	Description
U+02B49		⇐	⇐		⇐			\similarleftarrow	tilde operator above leftwards arrow
U+02B4A		⇚	⇚		⇚			\leftarrowapprox	leftwards arrow above almost equal to
U+02B4B		⇐	⇐		⇐			\leftarrowbsimilar	leftwards arrow above reverse tilde operator
U+02B4C		⇒	⇒		⇒			\rightarrowbsimilar	righttwards arrow above reverse tilde operator

13 Alphabetical symbols, \mathalpha

13.1 Normal weight

13.1.1 Upright Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+00391	Α	Α	Α	Α	Α	Α	Α	\mupAlpha	capital alpha, greek
U+00392	Β	Β	Β	Β	Β	Β	Β	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
U+00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\mupEpsilon	capital epsilon, greek
U+00396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mupZeta	capital zeta, greek
U+00397	Η	Η	Η	Η	Η	Η	Η	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\mupIota	capital iota, greek
U+0039A	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mupMu	capital mu, greek
U+0039D	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mupOmicron	capital omicron, greek
U+003A0	Π	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

13.1.2 Upright Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+003B1	α	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	β	\mupbeta	small beta, greek
U+003B3	γ	γ	γ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	δ	\mupdelta	small delta, greek
U+003B5	ε	ε	ε	ε	ε	ε	ε	\mupepsilon	rounded small epsilon, greek
U+003B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
U+003B7	η	η	η	η	η	η	η	\mupeta	small eta, greek
U+003B8	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
U+003B9	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+003BA	κ	κ	κ	κ	κ	κ	κ	\mupkappa	small kappa, greek
U+003BB	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+003BD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek

USV	M	X	S	C	A	P	E	Macro	Description
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+003BF	o	o	o	o	o	o	o	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	π	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς		\mupvarsigma	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D0		ϐ	ϐ	ϐ	ϐ			\mupvarbeta	rounded small beta, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvartheta	/vartheta - curly or open theta
U+003D5	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mupphi	/straightphi - small phi, greek
U+003D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mupvarpi	rounded small pi (pomega), greek
U+003DA		Ϛ	Ϛ	Ϛ				\upStigma	capital stigma
U+003DB		ϛ	ϛ	ϛ				\upstigma	greek small letter stigma
U+003DC		Ϝ	Ϝ	Ϝ	Ϝ			\upDigamma	capital digamma
U+003DD		ϝ	ϝ	ϝ	Ϝ			\updigamma	old greek small letter digamma
U+003DE		Ϟ	Ϟ	Ϟ				\upKoppa	capital koppa
U+003DF		ϟ	ϟ	ϟ				\upkoppa	greek small letter koppa
U+003E0		Ϡ	Ϡ	Ϡ				\upSampi	capital sampi
U+003E1		ϡ	ϡ	ϡ				\upsampi	greek small letter sampi
U+003F0	ϰ	ϰ	ϰ	ϰ	ϰ			\mupvarkappa	rounded small kappa, greek
U+003F1	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\mupvarrho	rounded small rho, greek
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ		\mupvarTheta	greek capital theta symbol
U+003F5	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mupvarepsilon	greek lunate epsilon symbol

13.1.3 Italic, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D434	*A*	*A*	*A*	*A*	*A*	*A*		\mitA	mathematical italic capital a
U+1D435	*B*	*B*	*B*	*B*	*B*	*B*		\mitB	mathematical italic capital b
U+1D436	*C*	*C*	*C*	*C*	*C*	*C*		\mitC	mathematical italic capital c
U+1D437	*D*	*D*	*D*	*D*	*D*	*D*		\mitD	mathematical italic capital d
U+1D438	*E*	*E*	*E*	*E*	*E*	*E*		\mitE	mathematical italic capital e
U+1D439	*F*	*F*	*F*	*F*	*F*	*F*		\mitF	mathematical italic capital f
U+1D43A	*G*	*G*	*G*	*G*	*G*	*G*		\mitG	mathematical italic capital g
U+1D43B	*H*	*H*	*H*	*H*	*H*	*H*		\mitH	mathematical italic capital h
U+1D43C	*I*	*I*	*I*	*I*	*I*	*I*		\mitI	mathematical italic capital i
U+1D43D	*J*	*J*	*J*	*J*	*J*	*J*		\mitJ	mathematical italic capital j
U+1D43E	*K*	*K*	*K*	*K*	*K*	*K*		\mitK	mathematical italic capital k
U+1D43F	*L*	*L*	*L*	*L*	*L*	*L*		\mitL	mathematical italic capital l
U+1D440	*M*	*M*	*M*	*M*	*M*	*M*		\mitM	mathematical italic capital m
U+1D441	*N*	*N*	*N*	*N*	*N*	*N*		\mitN	mathematical italic capital n
U+1D442	*O*	*O*	*O*	*O*	*O*	*O*		\mitO	mathematical italic capital o

USV	M	X	S	C	A	P	E	Macro	Description
U+1D443	P	P	P	P	P	P		\mitP	mathematical italic capital p
U+1D444	Q	Q	Q	Q	Q	Q		\mitQ	mathematical italic capital q
U+1D445	R	R	R	R	R	R		\mitR	mathematical italic capital r
U+1D446	S	S	S	S	S	S		\mitS	mathematical italic capital s
U+1D447	T	T	T	T	T	T		\mitT	mathematical italic capital t
U+1D448	U	U	U	U	U	U		\mitU	mathematical italic capital u
U+1D449	V	V	V	V	V	V		\mitV	mathematical italic capital v
U+1D44A	W	W	W	W	W	W		\mitW	mathematical italic capital w
U+1D44B	X	X	X	X	X	X		\mitX	mathematical italic capital x
U+1D44C	Y	Y	Y	Y	Y	Y		\mitY	mathematical italic capital y
U+1D44D	Z	Z	Z	Z	Z	Z		\mitZ	mathematical italic capital z

13.1.4 Italic, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D44E	a	a	a	a	a	a		\mita	mathematical italic small a
U+1D44F	b	b	b	b	b	b		\mitb	mathematical italic small b
U+1D450	c	c	c	c	c	c		\mitc	mathematical italic small c
U+1D451	d	d	d	d	d	d		\mitd	mathematical italic small d
U+1D452	e	e	e	e	e	e		\mite	mathematical italic small e
U+1D453	f	f	f	f	f	f		\mitf	mathematical italic small f
U+1D454	g	g	g	g	g	g		\mitg	mathematical italic small g
U+1D456	i	i	i	i	i	i		\miti	mathematical italic small i
U+1D457	j	j	j	j	j	j		\mitj	mathematical italic small j
U+1D458	k	k	k	k	k	k		\mitk	mathematical italic small k
U+1D459	l	l	l	l	l	l		\mitl	mathematical italic small l
U+1D45A	m	m	m	m	m	m		\mitm	mathematical italic small m
U+1D45B	n	n	n	n	n	n		\mitn	mathematical italic small n
U+1D45C	o	o	o	o	o	o		\mito	mathematical italic small o
U+1D45D	p	p	p	p	p	p		\mitp	mathematical italic small p
U+1D45E	q	q	q	q	q	q		\mitq	mathematical italic small q
U+1D45F	r	r	r	r	r	r		\mitr	mathematical italic small r
U+1D460	s	s	s	s	s	s		\mits	mathematical italic small s
U+1D461	t	t	t	t	t	t		\mitt	mathematical italic small t
U+1D462	u	u	u	u	u	u		\mitu	mathematical italic small u
U+1D463	v	v	v	v	v	v		\mitv	mathematical italic small v
U+1D464	w	w	w	w	w	w		\mitw	mathematical italic small w
U+1D465	x	x	x	x	x	x		\mitx	mathematical italic small x
U+1D466	y	y	y	y	y	y		\mity	mathematical italic small y
U+1D467	z	z	z	z	z	z		\mitz	mathematical italic small z

13.1.5 Italic Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6E2	A	A	A	A	A	A		\mitAlpha	mathematical italic capital alpha

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6E3	B	B	B	B	B	B		\mitBeta	mathematical italic capital beta
U+1D6E4	Γ	Γ	Γ	Γ	Γ	Γ		\mitGamma	mathematical italic capital gamma
U+1D6E5	Δ	Δ	Δ	Δ	Δ	Δ		\mitDelta	mathematical italic capital delta
U+1D6E6	E	E	E	E	E	E		\mitEpsilon	mathematical italic capital epsilon
U+1D6E7	Z	Z	Z	Z	Z	Z		\mitZeta	mathematical italic capital zeta
U+1D6E8	H	H	H	H	H	H		\mitEta	mathematical italic capital eta
U+1D6E9	Θ	Θ	Θ	Θ	Θ	Θ		\mitTheta	mathematical italic capital theta
U+1D6EA	I	I	I	I	I	I		\mitIota	mathematical italic capital iota
U+1D6EB	K	K	K	K	K	K		\mitKappa	mathematical italic capital kappa
U+1D6EC	Λ	Λ	Λ	Λ	Λ	Λ		\mitLambda	mathematical italic capital lambda
U+1D6ED	M	M	M	M	M	M		\mitMu	mathematical italic capital mu
U+1D6EE	N	N	N	N	N	N		\mitNu	mathematical italic capital nu
U+1D6EF	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ		\mitXi	mathematical italic capital xi
U+1D6F0	O	O	O	O	O	O		\mitOmicron	mathematical italic capital omicron
U+1D6F1	Π	Π	Π	Π	Π	Π		\mitPi	mathematical italic capital pi
U+1D6F2	P	P	P	P	P	P		\mitRho	mathematical italic capital rho
U+1D6F3	Θ	Θ	Θ	θ	Θ	Θ		\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	Σ	Σ	Σ	Σ	Σ	Σ		\mitSigma	mathematical italic capital sigma
U+1D6F5	T	T	T	T	T	T		\mitTau	mathematical italic capital tau
U+1D6F6	Υ	Y	Y	Y	Υ	Y		\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	Φ		\mitPhi	mathematical italic capital phi
U+1D6F8	X	X	X	X	X	X		\mitChi	mathematical italic capital chi
U+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ		\mitPsi	mathematical italic capital psi
U+1D6FA	Ω	Ω	Ω	Ω	Ω	Ω		\mitOmega	mathematical italic capital omega

13.1.6 Italic Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6FC	α	α	α	α	α	α		\mitalpha	mathematical italic small alpha
U+1D6FD	β	β	β	β	β	β		\mitbeta	mathematical italic small beta
U+1D6FE	γ	γ	γ	γ	γ	γ		\mitgamma	mathematical italic small gamma
U+1D6FF	δ	δ	δ	δ	δ	δ		\mitdelta	mathematical italic small delta
U+1D700	ε	ε	ε	ε	ε	ε		\mitepsilon	mathematical italic small epsilon
U+1D701	ζ	ζ	ζ	ζ	ζ	ζ		\mitzeta	mathematical italic small zeta
U+1D702	η	η	η	η	η	η		\miteta	mathematical italic small eta
U+1D703	θ	θ	θ	θ	θ	θ		\mittheta	mathematical italic small theta
U+1D704	ι	ι	ι	ι	ι	ι		\mitiota	mathematical italic small iota
U+1D705	κ	κ	κ	κ	κ	κ		\mitkappa	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ		\mitlambda	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ		\mitmu	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν		\mitnu	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ		\mitxi	mathematical italic small xi
U+1D70A	o	o	o	o	o	o		\mitomicron	mathematical italic small omicron
U+1D70B	π	π	π	π	π	π		\mitpi	mathematical italic small pi
U+1D70C	ρ	ρ	ρ	ρ	ρ	ρ		\mitrho	mathematical italic small rho
U+1D70D	ς	ς	ς	ς	ς	ς		\mitvarsigma	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ		\mitsigma	mathematical italic small sigma
U+1D70F	τ	τ	τ	τ	τ	τ		\mittau	mathematical italic small tau

USV	M	X	S	C	A	P	E	Macro	Description
U+1D710	υ	υ	υ	υ	υ	υ		\mitupsilon	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	φ	φ		\mitphi	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ		\mitchi	mathematical italic small chi
U+1D713	ψ	ψ	ψ	ψ	ψ	ψ		\mitpsi	mathematical italic small psi
U+1D714	ω	ω	ω	ω	ω	ω		\mitomega	mathematical italic small omega
U+1D715	∂	∂	∂	∂	∂	∂		\mitpartial	mathematical italic partial differential
U+1D716	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ		\mitvarepsilon	mathematical italic epsilon symbol
U+1D717	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ		\mitvartheta	mathematical italic theta symbol
U+1D718	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$			\mitvarkappa	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ		\mitvarphi	mathematical italic phi symbol
U+1D71A	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\mitvarrho	mathematical italic rho symbol
U+1D71B	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ		\mitvarpi	mathematical italic pi symbol

13.1.7 Script, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D49C	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	\mscrA	mathematical script capital a
U+1D49E	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	\mscrC	mathematical script capital c
U+1D49F	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	\mscrD	mathematical script capital d
U+1D4A2	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	\mscrG	mathematical script capital g
U+1D4A5	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	\mscrJ	mathematical script capital j
U+1D4A6	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	\mscrK	mathematical script capital k
U+1D4A9	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	\mscrN	mathematical script capital n
U+1D4AA	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	\mscrO	mathematical script capital o
U+1D4AB	$\mathcal{P}$	$\mathcal{P}$	$\mathcal{P}$	$\mathcal{P}$	$\mathcal{P}$	$\mathcal{P}$	$\mathcal{P}$	\mscrP	mathematical script capital p
U+1D4AC	$\mathcal{Q}$	$\mathcal{Q}$	$\mathcal{Q}$	$\mathcal{Q}$	$\mathcal{Q}$	$\mathcal{Q}$	$\mathcal{Q}$	\mscrQ	mathematical script capital q
U+1D4AE	$\mathcal{S}$	$\mathcal{S}$	$\mathcal{S}$	$\mathcal{S}$	$\mathcal{S}$	$\mathcal{S}$	$\mathcal{S}$	\mscrS	mathematical script capital s
U+1D4AF	$\mathcal{T}$	$\mathcal{T}$	$\mathcal{T}$	$\mathcal{T}$	$\mathcal{T}$	$\mathcal{T}$	$\mathcal{T}$	\mscrT	mathematical script capital t
U+1D4B0	$\mathcal{U}$	$\mathcal{U}$	$\mathcal{U}$	$\mathcal{U}$	$\mathcal{U}$	$\mathcal{U}$	$\mathcal{U}$	\mscrU	mathematical script capital u
U+1D4B1	$\mathcal{V}$	$\mathcal{V}$	$\mathcal{V}$	$\mathcal{V}$	$\mathcal{V}$	$\mathcal{V}$	$\mathcal{V}$	\mscrV	mathematical script capital v
U+1D4B2	$\mathcal{W}$	$\mathcal{W}$	$\mathcal{W}$	$\mathcal{W}$	$\mathcal{W}$	$\mathcal{W}$	$\mathcal{W}$	\mscrW	mathematical script capital w
U+1D4B3	$\mathcal{X}$	$\mathcal{X}$	$\mathcal{X}$	$\mathcal{X}$	$\mathcal{X}$	$\mathcal{X}$	$\mathcal{X}$	\mscrX	mathematical script capital x
U+1D4B4	$\mathcal{Y}$	$\mathcal{Y}$	$\mathcal{Y}$	$\mathcal{Y}$	$\mathcal{Y}$	$\mathcal{Y}$	$\mathcal{Y}$	\mscrY	mathematical script capital y
U+1D4B5	$\mathcal{Z}$	$\mathcal{Z}$	$\mathcal{Z}$	$\mathcal{Z}$	$\mathcal{Z}$	$\mathcal{Z}$	$\mathcal{Z}$	\mscrZ	mathematical script capital z

13.1.8 Script, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4B6		a	a	a	a	a		\mscra	mathematical script small a
U+1D4B7		b	b	b	b	b		\mscrb	mathematical script small b
U+1D4B8		c	c	c	c	c		\mscrc	mathematical script small c
U+1D4B9		d	d	d	d	d		\mscrd	mathematical script small d
U+1D4BB		f	f	f	f	f		\mscrf	mathematical script small f
U+1D4BD		h	h	h	h	h		\mscrh	mathematical script small h

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4BE	i	i	i	i	i			\mscri	mathematical script small i
U+1D4BF	j	j	j	j	j			\mscrj	mathematical script small j
U+1D4C0	k	k	k	k	k			\mscrk	mathematical script small k
U+1D4C1	ℓ	ℓ	ℓ	ℓ	l			\mscrl	mathematical script small l
U+1D4C2	m	m	m	m	m			\mscrm	mathematical script small m
U+1D4C3	n	n	n	n	n			\mscrn	mathematical script small n
U+1D4C5	p	p	p	p	p			\mscrp	mathematical script small p
U+1D4C6	q	q	q	q	q			\mscrq	mathematical script small q
U+1D4C7	r	r	r	r	r			\mscrr	mathematical script small r
U+1D4C8	s	s	s	s	s			\mscrs	mathematical script small s
U+1D4C9	t	t	t	t	t			\mscrt	mathematical script small t
U+1D4CA	u	u	u	u	u			\mscru	mathematical script small u
U+1D4CB	v	v	v	v	v			\mscrv	mathematical script small v
U+1D4CC	w	w	w	w	w			\mscrw	mathematical script small w
U+1D4CD	x	x	x	x	x			\mscrx	mathematical script small x
U+1D4CE	y	y	y	y	y			\mscry	mathematical script small y
U+1D4CF	z	z	z	z	z			\mscrz	mathematical script small z

13.1.9 Fraktur, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D504	𝔄	𝔄	𝔄	𝔄	𝔄	𝔄	𝔄	\mfrakA	mathematical fraktur capital a
U+1D505	𝔅	𝔅	𝔅	𝔅	𝔅	𝔅	𝔅	\mfrakB	mathematical fraktur capital b
U+1D507	𝔇	𝔇	𝔇	𝔇	𝔇	𝔇	𝔇	\mfrakD	mathematical fraktur capital d
U+1D508	𝔈	𝔈	𝔈	𝔈	𝔈	𝔈	𝔈	\mfrakE	mathematical fraktur capital e
U+1D509	𝔉	𝔉	𝔉	𝔉	𝔉	𝔉	𝔉	\mfrakF	mathematical fraktur capital f
U+1D50A	𝔊	𝔊	𝔊	𝔊	𝔊	𝔊	𝔊	\mfrakG	mathematical fraktur capital g
U+1D50D	𝔍	𝔍	𝔍	𝔍	𝔍	𝔍	𝔍	\mfrakJ	mathematical fraktur capital j
U+1D50E	𝔎	𝔎	𝔎	𝔎	𝔎	𝔎	𝔎	\mfrakK	mathematical fraktur capital k
U+1D50F	𝔏	𝔏	𝔏	𝔏	𝔏	𝔏	𝔏	\mfrakL	mathematical fraktur capital l
U+1D510	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	\mfrakM	mathematical fraktur capital m
U+1D511	𝔑	𝔑	𝔑	𝔑	𝔑	𝔑	𝔑	\mfrakN	mathematical fraktur capital n
U+1D512	𝔒	𝔒	𝔒	𝔒	𝔒	𝔒	𝔒	\mfrakO	mathematical fraktur capital o
U+1D513	𝔓	𝔓	𝔓	𝔓	𝔓	𝔓	𝔓	\mfrakP	mathematical fraktur capital p
U+1D514	𝔔	𝔔	𝔔	𝔔	𝔔	𝔔	𝔔	\mfrakQ	mathematical fraktur capital q
U+1D516	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	\mfrakS	mathematical fraktur capital s
U+1D517	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfrakT	mathematical fraktur capital t
U+1D518	𝔘	𝔘	𝔘	𝔘	𝔘	𝔘	𝔘	\mfrakU	mathematical fraktur capital u
U+1D519	𝔙	𝔙	𝔙	𝔙	𝔙	𝔙	𝔙	\mfrakV	mathematical fraktur capital v
U+1D51A	𝔚	𝔚	𝔚	𝔚	𝔚	𝔚	𝔚	\mfrakW	mathematical fraktur capital w
U+1D51B	𝔛	𝔛	𝔛	𝔛	𝔛	𝔛	𝔛	\mfrakX	mathematical fraktur capital x
U+1D51C	𝔜	𝔜	𝔜	𝔜	𝔜	𝔜	𝔜	\mfrakY	mathematical fraktur capital y

13.1.10 Fraktur, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	\mfrakb	mathematical fraktur small b
U+1D520	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	\mfrakc	mathematical fraktur small c
U+1D521	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	\mfrakd	mathematical fraktur small d
U+1D522	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	\mfrake	mathematical fraktur small e
U+1D523	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	\mfrakf	mathematical fraktur small f
U+1D524	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	\mfrakg	mathematical fraktur small g
U+1D525	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	\mfrakh	mathematical fraktur small h
U+1D526	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	\mfraki	mathematical fraktur small i
U+1D527	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	\mfrakj	mathematical fraktur small j
U+1D528	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	\mfrakk	mathematical fraktur small k
U+1D529	𝔩	𝔩	𝔩	𝔩	𝔩	𝔩	𝔩	\mfrakl	mathematical fraktur small l
U+1D52A	𝔪	𝔪	𝔪	𝔪	𝔪	𝔪	𝔪	\mfrakm	mathematical fraktur small m
U+1D52B	𝔫	𝔫	𝔫	𝔫	𝔫	𝔫	𝔫	\mfrakn	mathematical fraktur small n
U+1D52C	𝔬	𝔬	𝔬	𝔬	𝔬	𝔬	𝔬	\mfrako	mathematical fraktur small o
U+1D52D	𝔭	𝔭	𝔭	𝔭	𝔭	𝔭	𝔭	\mfrakp	mathematical fraktur small p
U+1D52E	𝔮	𝔮	𝔮	𝔮	𝔮	𝔮	𝔮	\mfrakq	mathematical fraktur small q
U+1D52F	𝔯	𝔯	𝔯	𝔯	𝔯	𝔯	𝔯	\mfrakr	mathematical fraktur small r
U+1D530	𝔰	𝔰	𝔰	𝔰	𝔰	𝔰	𝔰	\mfraks	mathematical fraktur small s
U+1D531	𝔱	𝔱	𝔱	𝔱	𝔱	𝔱	𝔱	\mfrakt	mathematical fraktur small t
U+1D532	𝔲	𝔲	𝔲	𝔲	𝔲	𝔲	𝔲	\mfraku	mathematical fraktur small u
U+1D533	𝔳	𝔳	𝔳	𝔳	𝔳	𝔳	𝔳	\mfrakv	mathematical fraktur small v
U+1D534	𝔴	𝔴	𝔴	𝔴	𝔴	𝔴	𝔴	\mfrakw	mathematical fraktur small w
U+1D535	𝔵	𝔵	𝔵	𝔵	𝔵	𝔵	𝔵	\mfrakx	mathematical fraktur small x
U+1D536	𝔶	𝔶	𝔶	𝔶	𝔶	𝔶	𝔶	\mfraky	mathematical fraktur small y
U+1D537	𝔷	𝔷	𝔷	𝔷	𝔷	𝔷	𝔷	\mfrakz	mathematical fraktur small z

13.1.11 Blackboard, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D538	𝔸	𝔸	𝔸	𝔸	𝔸	𝔸		\BbbA	mathematical double-struck capital a
U+1D539	𝔹	𝔹	𝔹	𝔹	𝔹	𝔹		\BbbB	mathematical double-struck capital b
U+1D53B	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻		\BbbD	mathematical double-struck capital d
U+1D53C	𝔼	𝔼	𝔼	𝔼	𝔼	𝔼		\BbbE	mathematical double-struck capital e
U+1D53D	𝔽	𝔽	𝔽	𝔽	𝔽	𝔽		\BbbF	mathematical double-struck capital f
U+1D53E	𝔾	𝔾	𝔾	𝔾	𝔾	𝔾		\BbbG	mathematical double-struck capital g
U+1D540	𝕀	𝕀	𝕀	𝕀	𝕀	𝕀		\BbbI	mathematical double-struck capital i
U+1D541	𝕁	𝕁	𝕁	𝕁	𝕁	𝕁		\BbbJ	mathematical double-struck capital j
U+1D542	𝕂	𝕂	𝕂	𝕂	𝕂	𝕂		\BbbK	mathematical double-struck capital k
U+1D543	𝕃	𝕃	𝕃	𝕃	𝕃	𝕃		\BbbL	mathematical double-struck capital l
U+1D544	𝕄	𝕄	𝕄	𝕄	𝕄	𝕄		\BbbM	mathematical double-struck capital m
U+1D546	𝕆	𝕆	𝕆	𝕆	𝕆	𝕆		\BbbO	mathematical double-struck capital o
U+1D54A	𝕊	𝕊	𝕊	𝕊	𝕊	𝕊		\BbbS	mathematical double-struck capital s
U+1D54B	𝕋	𝕋	𝕋	𝕋	𝕋	𝕋		\BbbT	mathematical double-struck capital t
U+1D54C	𝕌	𝕌	𝕌	𝕌	𝕌	𝕌		\BbbU	mathematical double-struck capital u
U+1D54D	𝕍	𝕍	𝕍	𝕍	𝕍	𝕍		\BbbV	mathematical double-struck capital v
U+1D54E	𝕎	𝕎	𝕎	𝕎	𝕎	𝕎		\BbbW	mathematical double-struck capital w

USV	M	X	S	C	A	P	E	Macro	Description
U+1D54F	X	X	X	X	X	X		\BbbX	mathematical double-struck capital x
U+1D550	Y	Y	Y	Y	Y	Y		\BbbY	mathematical double-struck capital y

13.1.12 Blackboard, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D552	a	a	a	a	a	a		\Bbba	mathematical double-struck small a
U+1D553	b	b	b	b	b	b		\Bbbb	mathematical double-struck small b
U+1D554	c	c	c	c	c	c		\Bbbc	mathematical double-struck small c
U+1D555	d	d	d	d	d	d		\Bbbd	mathematical double-struck small d
U+1D556	e	e	e	e	e	e		\Bbbe	mathematical double-struck small e
U+1D557	f	f	f	f	f	f		\Bbbf	mathematical double-struck small f
U+1D558	g	g	g	g	g	g		\Bbbg	mathematical double-struck small g
U+1D559	h	h	h	h	h	h		\Bbbh	mathematical double-struck small h
U+1D55A	i	i	i	i	i	i		\Bbbi	mathematical double-struck small i
U+1D55B	j	j	j	j	j	j		\Bbbj	mathematical double-struck small j
U+1D55C	k	k	k	k	k	k		\Bbbk[a]	mathematical double-struck small k
U+1D55D	l	l	l	l	l	l		\Bbbl	mathematical double-struck small l
U+1D55E	m	m	m	m	m	m		\Bbbm	mathematical double-struck small m
U+1D55F	n	n	n	n	n	n		\Bbbn	mathematical double-struck small n
U+1D560	o	o	o	o	o	o		\Bbbo	mathematical double-struck small o
U+1D561	p	p	p	p	p	p		\Bbbp	mathematical double-struck small p
U+1D562	q	q	q	q	q	q		\Bbbq	mathematical double-struck small q
U+1D563	r	r	r	r	r	r		\Bbbr	mathematical double-struck small r
U+1D564	s	s	s	s	s	s		\Bbbs	mathematical double-struck small s
U+1D565	t	t	t	t	t	t		\Bbbt	mathematical double-struck small t
U+1D566	u	u	u	u	u	u		\Bbbu	mathematical double-struck small u
U+1D567	v	v	v	v	v	v		\Bbbv	mathematical double-struck small v
U+1D568	w	w	w	w	w	w		\Bbbw	mathematical double-struck small w
U+1D569	x	x	x	x	x	x		\Bbbx	mathematical double-struck small x
U+1D56A	y	y	y	y	y	y		\Bbby	mathematical double-struck small y
U+1D56B	z	z	z	z	z	z		\Bbbz	mathematical double-struck small z

13.1.13 Sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5A0	A	A	A	A	A	A		\msansA	mathematical sans-serif capital a
U+1D5A1	B	B	B	B	B	B		\msansB	mathematical sans-serif capital b
U+1D5A2	C	C	C	C	C	C		\msansC	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D		\msansD	mathematical sans-serif capital d
U+1D5A4	E	E	E	E	E	E		\msansE	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F		\msansF	mathematical sans-serif capital f
U+1D5A6	G	G	G	G	G	G		\msansG	mathematical sans-serif capital g
U+1D5A7	H	H	H	H	H	H		\msansH	mathematical sans-serif capital h
U+1D5A8	I	I	I	I	I	I		\msansI	mathematical sans-serif capital i

44

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5A9	J	J	J	J	J	J		\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K		\msansK	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L		\msansL	mathematical sans-serif capital l
U+1D5AC	M	M	M	M	M	M		\msansM	mathematical sans-serif capital m
U+1D5AD	N	N	N	N	N	N		\msansN	mathematical sans-serif capital n
U+1D5AE	O	O	O	O	O	O		\msansO	mathematical sans-serif capital o
U+1D5AF	P	P	P	P	P	P		\msansP	mathematical sans-serif capital p
U+1D5B0	Q	Q	Q	Q	Q	Q		\msansQ	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R		\msansR	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S		\msansS	mathematical sans-serif capital s
U+1D5B3	T	T	T	T	T	T		\msansT	mathematical sans-serif capital t
U+1D5B4	U	U	U	U	U	U		\msansU	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V		\msansV	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W		\msansW	mathematical sans-serif capital w
U+1D5B7	X	X	X	X	X	X		\msansX	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	Y		\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z		\msansZ	mathematical sans-serif capital z

13.1.14 Sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5BA	a	a	a	a	a	a		\msansa	mathematical sans-serif small a
U+1D5BB	b	b	b	b	b	b		\msansb	mathematical sans-serif small b
U+1D5BC	c	c	c	c	c	c		\msansc	mathematical sans-serif small c
U+1D5BD	d	d	d	d	d	d		\msansd	mathematical sans-serif small d
U+1D5BE	e	e	e	e	e	e		\msanse	mathematical sans-serif small e
U+1D5BF	f	f	f	f	f	f		\msansf	mathematical sans-serif small f
U+1D5C0	g	g	g	g	g	g		\msansg	mathematical sans-serif small g
U+1D5C1	h	h	h	h	h	h		\msansh	mathematical sans-serif small h
U+1D5C2	i	i	i	i	i	i		\msansi	mathematical sans-serif small i
U+1D5C3	j	j	j	j	j	j		\msansj	mathematical sans-serif small j
U+1D5C4	k	k	k	k	k	k		\msansk	mathematical sans-serif small k
U+1D5C5	l	l	l	l	l	l		\msansl	mathematical sans-serif small l
U+1D5C6	m	m	m	m	m	m		\msansm	mathematical sans-serif small m
U+1D5C7	n	n	n	n	n	n		\msansn	mathematical sans-serif small n
U+1D5C8	o	o	o	o	o	o		\msanso	mathematical sans-serif small o
U+1D5C9	p	p	p	p	p	p		\msansp	mathematical sans-serif small p
U+1D5CA	q	q	q	q	q	q		\msansq	mathematical sans-serif small q
U+1D5CB	r	r	r	r	r	r		\msansr	mathematical sans-serif small r
U+1D5CC	s	s	s	s	s	s		\msanss	mathematical sans-serif small s
U+1D5CD	t	t	t	t	t	t		\msanst	mathematical sans-serif small t
U+1D5CE	u	u	u	u	u	u		\msansu	mathematical sans-serif small u
U+1D5CF	v	v	v	v	v	v		\msansv	mathematical sans-serif small v
U+1D5D0	w	w	w	w	w	w		\msansw	mathematical sans-serif small w
U+1D5D1	x	x	x	x	x	x		\msansx	mathematical sans-serif small x
U+1D5D2	y	y	y	y	y	y		\msansy	mathematical sans-serif small y
U+1D5D3	z	z	z	z	z	z		\msansz	mathematical sans-serif small z

13.1.15 Italic sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D608	*A*	*A*	*A*	*A*	*A*	*A*		`\mitsansA`	mathematical sans-serif italic capital a
U+1D609	*B*	*B*	*B*	*B*	*B*	*B*		`\mitsansB`	mathematical sans-serif italic capital b
U+1D60A	*C*	*C*	*C*	*C*	*C*	*C*		`\mitsansC`	mathematical sans-serif italic capital c
U+1D60B	*D*	*D*	*D*	*D*	*D*	*D*		`\mitsansD`	mathematical sans-serif italic capital d
U+1D60C	*E*	*E*	*E*	*E*	*E*	*E*		`\mitsansE`	mathematical sans-serif italic capital e
U+1D60D	*F*	*F*	*F*	*F*	*F*	*F*		`\mitsansF`	mathematical sans-serif italic capital f
U+1D60E	*G*	*G*	*G*	*G*	*G*	*G*		`\mitsansG`	mathematical sans-serif italic capital g
U+1D60F	*H*	*H*	*H*	*H*	*H*	*H*		`\mitsansH`	mathematical sans-serif italic capital h
U+1D610	*I*	*I*	*I*	*I*	*I*	*I*		`\mitsansI`	mathematical sans-serif italic capital i
U+1D611	*J*	*J*	*J*	*J*	*J*	*J*		`\mitsansJ`	mathematical sans-serif italic capital j
U+1D612	*K*	*K*	*K*	*K*	*K*	*K*		`\mitsansK`	mathematical sans-serif italic capital k
U+1D613	*L*	*L*	*L*	*L*	*L*	*L*		`\mitsansL`	mathematical sans-serif italic capital l
U+1D614	*M*	*M*	*M*	*M*	*M*	*M*		`\mitsansM`	mathematical sans-serif italic capital m
U+1D615	*N*	*N*	*N*	*N*	*N*	*N*		`\mitsansN`	mathematical sans-serif italic capital n
U+1D616	*O*	*O*	*O*	*O*	*O*	*O*		`\mitsansO`	mathematical sans-serif italic capital o
U+1D617	*P*	*P*	*P*	*P*	*P*	*P*		`\mitsansP`	mathematical sans-serif italic capital p
U+1D618	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*		`\mitsansQ`	mathematical sans-serif italic capital q
U+1D619	*R*	*R*	*R*	*R*	*R*	*R*		`\mitsansR`	mathematical sans-serif italic capital r
U+1D61A	*S*	*S*	*S*	*S*	*S*	*S*		`\mitsansS`	mathematical sans-serif italic capital s
U+1D61B	*T*	*T*	*T*	*T*	*T*	*T*		`\mitsansT`	mathematical sans-serif italic capital t
U+1D61C	*U*	*U*	*U*	*U*	*U*	*U*		`\mitsansU`	mathematical sans-serif italic capital u
U+1D61D	*V*	*V*	*V*	*V*	*V*	*V*		`\mitsansV`	mathematical sans-serif italic capital v
U+1D61E	*W*	*W*	*W*	*W*	*W*	*W*		`\mitsansW`	mathematical sans-serif italic capital w
U+1D61F	*X*	*X*	*X*	*X*	*X*	*X*		`\mitsansX`	mathematical sans-serif italic capital x
U+1D620	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*		`\mitsansY`	mathematical sans-serif italic capital y
U+1D621	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*		`\mitsansZ`	mathematical sans-serif italic capital z

13.1.16 Italic sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D622	*a*	*a*	*a*	*a*	*a*	*a*		`\mitsansa`	mathematical sans-serif italic small a
U+1D623	*b*	*b*	*b*	*b*	*b*	*b*		`\mitsansb`	mathematical sans-serif italic small b
U+1D624	*c*	*c*	*c*	*c*	*c*	*c*		`\mitsansc`	mathematical sans-serif italic small c
U+1D625	*d*	*d*	*d*	*d*	*d*	*d*		`\mitsansd`	mathematical sans-serif italic small d
U+1D626	*e*	*e*	*e*	*e*	*e*	*e*		`\mitsanse`	mathematical sans-serif italic small e
U+1D627	*f*	*f*	*f*	*f*	*f*	*f*		`\mitsansf`	mathematical sans-serif italic small f
U+1D628	*g*	*g*	*g*	*g*	*g*	*g*		`\mitsansg`	mathematical sans-serif italic small g
U+1D629	*h*	*h*	*h*	*h*	*h*	*h*		`\mitsansh`	mathematical sans-serif italic small h
U+1D62A	*i*	*i*	*i*	*i*	*i*	*i*		`\mitsansi`	mathematical sans-serif italic small i
U+1D62B	*j*	*j*	*j*	*j*	*j*	*j*		`\mitsansj`	mathematical sans-serif italic small j
U+1D62C	*k*	*k*	*k*	*k*	*k*	*k*		`\mitsansk`	mathematical sans-serif italic small k
U+1D62D	*l*	*l*	*l*	*l*	*l*	*l*		`\mitsansl`	mathematical sans-serif italic small l

46

USV	M	X	S	C	A	P	E	Macro	Description
U+1D62E	m	m	m	m	m	m		\mitsansm	mathematical sans-serif italic small m
U+1D62F	n	n	n	n	n	n		\mitsansn	mathematical sans-serif italic small n
U+1D630	o	o	o	o	o	o		\mitsanso	mathematical sans-serif italic small o
U+1D631	p	p	p	p	p	p		\mitsansp	mathematical sans-serif italic small p
U+1D632	q	q	q	q	q	q		\mitsansq	mathematical sans-serif italic small q
U+1D633	r	r	r	r	r	r		\mitsansr	mathematical sans-serif italic small r
U+1D634	s	s	s	s	s	s		\mitsanss	mathematical sans-serif italic small s
U+1D635	t	t	t	t	t	t		\mitsanst	mathematical sans-serif italic small t
U+1D636	u	u	u	u	u	u		\mitsansu	mathematical sans-serif italic small u
U+1D637	v	v	v	v	v	v		\mitsansv	mathematical sans-serif italic small v
U+1D638	w	w	w	w	w	w		\mitsansw	mathematical sans-serif italic small w
U+1D639	x	x	x	x	x	x		\mitsansx	mathematical sans-serif italic small x
U+1D63A	y	y	y	y	y	y		\mitsansy	mathematical sans-serif italic small y
U+1D63B	z	z	z	z	z	z		\mitsansz	mathematical sans-serif italic small z

13.1.17 Typewriter, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D670	A	A	A		A	A		\mttA	mathematical monospace capital a
U+1D671	B	B	B		B	B		\mttB	mathematical monospace capital b
U+1D672	C	C	C		C	C		\mttC	mathematical monospace capital c
U+1D673	D	D	D		D	D		\mttD	mathematical monospace capital d
U+1D674	E	E	E		E	E		\mttE	mathematical monospace capital e
U+1D675	F	F	F		F	F		\mttF	mathematical monospace capital f
U+1D676	G	G	G		G	G		\mttG	mathematical monospace capital g
U+1D677	H	H	H		H	H		\mttH	mathematical monospace capital h
U+1D678	I	I	I		I	I		\mttI	mathematical monospace capital i
U+1D679	J	J	J		J	J		\mttJ	mathematical monospace capital j
U+1D67A	K	K	K		K	K		\mttK	mathematical monospace capital k
U+1D67B	L	L	L		L	L		\mttL	mathematical monospace capital l
U+1D67C	M	M	M		M	M		\mttM	mathematical monospace capital m
U+1D67D	N	N	N		N	N		\mttN	mathematical monospace capital n
U+1D67E	O	O	O		O	O		\mttO	mathematical monospace capital o
U+1D67F	P	P	P		P	P		\mttP	mathematical monospace capital p
U+1D680	Q	Q	Q		Q	Q		\mttQ	mathematical monospace capital q
U+1D681	R	R	R		R	R		\mttR	mathematical monospace capital r
U+1D682	S	S	S		S	S		\mttS	mathematical monospace capital s
U+1D683	T	T	T		T	T		\mttT	mathematical monospace capital t
U+1D684	U	U	U		U	U		\mttU	mathematical monospace capital u
U+1D685	V	V	V		V	V		\mttV	mathematical monospace capital v
U+1D686	W	W	W		W	W		\mttW	mathematical monospace capital w
U+1D687	X	X	X		X	X		\mttX	mathematical monospace capital x
U+1D688	Y	Y	Y		Y	Y		\mttY	mathematical monospace capital y
U+1D689	Z	Z	Z		Z	Z		\mttZ	mathematical monospace capital z

13.1.18 Typewriter, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D68A	a	a	a		a	a		\mtta	mathematical monospace small a
U+1D68B	b	b	b		b	b		\mttb	mathematical monospace small b
U+1D68C	c	c	c		c	c		\mttc	mathematical monospace small c
U+1D68D	d	d	d		d	d		\mttd	mathematical monospace small d
U+1D68E	e	e	e		e	e		\mtte	mathematical monospace small e
U+1D68F	f	f	f		f	f		\mttf	mathematical monospace small f
U+1D690	g	g	g		g	g		\mttg	mathematical monospace small g
U+1D691	h	h	h		h	h		\mtth	mathematical monospace small h
U+1D692	i	i	i		i	i		\mtti	mathematical monospace small i
U+1D693	j	j	j		j	j		\mttj	mathematical monospace small j
U+1D694	k	k	k		k	k		\mttk	mathematical monospace small k
U+1D695	l	l	l		l	l		\mttl	mathematical monospace small l
U+1D696	m	m	m		m	m		\mttm	mathematical monospace small m
U+1D697	n	n	n		n	n		\mttn	mathematical monospace small n
U+1D698	o	o	o		o	o		\mtto	mathematical monospace small o
U+1D699	p	p	p		p	p		\mttp	mathematical monospace small p
U+1D69A	q	q	q		q	q		\mttq	mathematical monospace small q
U+1D69B	r	r	r		r	r		\mttr	mathematical monospace small r
U+1D69C	s	s	s		s	s		\mtts	mathematical monospace small s
U+1D69D	t	t	t		t	t		\mttt	mathematical monospace small t
U+1D69E	u	u	u		u	u		\mttu	mathematical monospace small u
U+1D69F	v	v	v		v	v		\mttv	mathematical monospace small v
U+1D6A0	w	w	w		w	w		\mttw	mathematical monospace small w
U+1D6A1	x	x	x		x	x		\mttx	mathematical monospace small x
U+1D6A2	y	y	y		y	y		\mtty	mathematical monospace small y
U+1D6A3	z	z	z		z	z		\mttz	mathematical monospace small z

13.2 Bold

13.2.1 Bold, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D400	A	A	A	A	A	A	A	\mbfA	mathematical bold capital a
U+1D401	B	B	B	B	B	B	B	\mbfB	mathematical bold capital b
U+1D402	C	C	C	C	C	C	C	\mbfC	mathematical bold capital c
U+1D403	D	D	D	D	D	D	D	\mbfD	mathematical bold capital d
U+1D404	E	E	E	E	E	E	E	\mbfE	mathematical bold capital e
U+1D405	F	F	F	F	F	F	F	\mbfF	mathematical bold capital f
U+1D406	G	G	G	G	G	G	G	\mbfG	mathematical bold capital g
U+1D407	H	H	H	H	H	H	H	\mbfH	mathematical bold capital h
U+1D408	I	I	I	I	I	I	I	\mbfI	mathematical bold capital i
U+1D409	J	J	J	J	J	J	J	\mbfJ	mathematical bold capital j
U+1D40A	K	K	K	K	K	K	K	\mbfK	mathematical bold capital k
U+1D40B	L	L	L	L	L	L	L	\mbfL	mathematical bold capital l
U+1D40C	M	M	M	M	M	M	M	\mbfM	mathematical bold capital m

USV	M	X	S	C	A	P	E	Macro	Description
U+1D40D	N	N	N	N	N	N	N	\mbfN	mathematical bold capital n
U+1D40E	O	O	O	O	O	O	O	\mbfO	mathematical bold capital o
U+1D40F	P	P	P	P	P	P	P	\mbfP	mathematical bold capital p
U+1D410	Q	Q	Q	Q	Q	Q	Q	\mbfQ	mathematical bold capital q
U+1D411	R	R	R	R	R	R	R	\mbfR	mathematical bold capital r
U+1D412	S	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	\mbfV	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	\mbfW	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	\mbfX	mathematical bold capital x
U+1D418	Y	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

13.2.2 Bold, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D41A	a	a	a	a	a	a	a	\mbfa	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	\mbfb	mathematical bold small b
U+1D41C	c	c	c	c	c	c	c	\mbfc	mathematical bold small c
U+1D41D	d	d	d	d	d	d	d	\mbfd	mathematical bold small d
U+1D41E	e	e	e	e	e	e	e	\mbfe	mathematical bold small e
U+1D41F	f	f	f	f	f	f	f	\mbff	mathematical bold small f
U+1D420	g	g	g	g	g	g	g	\mbfg	mathematical bold small g
U+1D421	h	h	h	h	h	h	h	\mbfh	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	\mbfi	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	\mbfj	mathematical bold small j
U+1D424	k	k	k	k	k	k	k	\mbfk	mathematical bold small k
U+1D425	l	l	l	l	l	l	l	\mbfl	mathematical bold small l
U+1D426	m	m	m	m	m	m	m	\mbfm	mathematical bold small m
U+1D427	n	n	n	n	n	n	n	\mbfn	mathematical bold small n
U+1D428	o	o	o	o	o	o	o	\mbfo	mathematical bold small o
U+1D429	p	p	p	p	p	p	p	\mbfp	mathematical bold small p
U+1D42A	q	q	q	q	q	q	q	\mbfq	mathematical bold small q
U+1D42B	r	r	r	r	r	r	r	\mbfr	mathematical bold small r
U+1D42C	s	s	s	s	s	s	s	\mbfs	mathematical bold small s
U+1D42D	t	t	t	t	t	t	t	\mbft	mathematical bold small t
U+1D42E	u	u	u	u	u	u	u	\mbfu	mathematical bold small u
U+1D42F	v	v	v	v	v	v	v	\mbfv	mathematical bold small v
U+1D430	w	w	w	w	w	w	w	\mbfw	mathematical bold small w
U+1D431	x	x	x	x	x	x	x	\mbfx	mathematical bold small x
U+1D432	y	y	y	y	y	y	y	\mbfy	mathematical bold small y
U+1D433	z	z	z	z	z	z	z	\mbfz	mathematical bold small z

13.2.3 Bold Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6A8	A	A	A	A	A	A	A	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	B	B	B	B	B	B	B	\mbfBeta	mathematical bold capital beta
U+1D6AA	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mbfGamma	mathematical bold capital gamma
U+1D6AB	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfDelta	mathematical bold capital delta
U+1D6AC	E	E	E	E	E	E	E	\mbfEpsilon	mathematical bold capital epsilon
U+1D6AD	Z	Z	Z	Z	Z	Z	Z	\mbfZeta	mathematical bold capital zeta
U+1D6AE	H	H	H	H	H	H	H	\mbfEta	mathematical bold capital eta
U+1D6AF	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfTheta	mathematical bold capital theta
U+1D6B0	I	I	I	I	I	I	I	\mbfIota	mathematical bold capital iota
U+1D6B1	K	K	K	K	K	K	K	\mbfKappa	mathematical bold capital kappa
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	M	M	M	M	M	M	M	\mbfMu	mathematical bold capital mu
U+1D6B4	N	N	N	N	N	N	N	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	O	O	O	O	O	O	O	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	P	P	P	P	P	P	P	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	θ	Θ	Θ		\mbfvarTheta	mathematical bold capital theta symbol
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	T	T	T	T	T	T	T	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	X	X	X	X	X	X	X	\mbfChi	mathematical bold capital chi
U+1D6BF	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
U+1D6C0	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

13.2.4 Bold Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	\mbfalpha	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	γ	γ	γ	γ	γ	\mbfgamma	mathematical bold small gamma
U+1D6C5	δ	δ	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta
U+1D6C6	ε	ε	ε	ε	ε	ε	ε	\mbfepsilon	mathematical bold small epsilon
U+1D6C7	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfzeta	mathematical bold small zeta
U+1D6C8	η	η	η	η	η	η	η	\mbfeta	mathematical bold small eta
U+1D6C9	θ	θ	θ	θ	θ	θ	θ	\mbftheta	mathematical bold small theta
U+1D6CA	ι	ι	ι	ι	ι	ι	ι	\mbfiota	mathematical bold small iota
U+1D6CB	κ	κ	κ	κ	κ	κ	κ	\mbfkappa	mathematical bold small kappa
U+1D6CC	λ	λ	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
U+1D6CD	μ	μ	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
U+1D6CE	ν	ν	ν	ν	ν	ν	ν	\mbfnu	mathematical bold small nu
U+1D6CF	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
U+1D6D0	o	o	o	o	o	o	o	\mbfomicron	mathematical bold small omicron
U+1D6D1	π	π	π	π	π	π	π	\mbfpi	mathematical bold small pi
U+1D6D2	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfrho	mathematical bold small rho
U+1D6D3	ς	ς	ς	ς	ς	ς		\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	σ	σ	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
U+1D6D6	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	ω	ω	ω	ω	ω	ω	ω	\mbfomega	mathematical bold small omega
U+1D6DB	∂	∂	∂	∂	∂	∂	∂	\mbfpartial	mathematical bold partial differential
U+1D6DC	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mbfvarepsilon	mathematical bold epsilon symbol
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	ϰ	ϰ	ϰ	ϰ	ϰ			\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mbfphi	mathematical bold phi symbol
U+1D6E0	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\mbfvarrho	mathematical bold rho symbol
U+1D6E1	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mbfvarpi	mathematical bold pi symbol

13.2.5 Bold italic, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D468	A	A	A	A	A	A		\mbfitA	mathematical bold italic capital a
U+1D469	B	B	B	B	B	B		\mbfitB	mathematical bold italic capital b
U+1D46A	C	C	C	C	C	C		\mbfitC	mathematical bold italic capital c
U+1D46B	D	D	D	D	D	D		\mbfitD	mathematical bold italic capital d
U+1D46C	E	E	E	E	E	E		\mbfitE	mathematical bold italic capital e
U+1D46D	F	F	F	F	F	F		\mbfitF	mathematical bold italic capital f
U+1D46E	G	G	G	G	G	G		\mbfitG	mathematical bold italic capital g
U+1D46F	H	H	H	H	H	H		\mbfitH	mathematical bold italic capital h
U+1D470	I	I	I	I	I	I		\mbfitI	mathematical bold italic capital i
U+1D471	J	J	J	J	J	J		\mbfitJ	mathematical bold italic capital j
U+1D472	K	K	K	K	K	K		\mbfitK	mathematical bold italic capital k
U+1D473	L	L	L	L	L	L		\mbfitL	mathematical bold italic capital l
U+1D474	M	M	M	M	M	M		\mbfitM	mathematical bold italic capital m
U+1D475	N	N	N	N	N	N		\mbfitN	mathematical bold italic capital n
U+1D476	O	O	O	O	O	O		\mbfitO	mathematical bold italic capital o
U+1D477	P	P	P	P	P	P		\mbfitP	mathematical bold italic capital p
U+1D478	Q	Q	Q	Q	Q	Q		\mbfitQ	mathematical bold italic capital q
U+1D479	R	R	R	R	R	R		\mbfitR	mathematical bold italic capital r
U+1D47A	S	S	S	S	S	S		\mbfitS	mathematical bold italic capital s
U+1D47B	T	T	T	T	T	T		\mbfitT	mathematical bold italic capital t
U+1D47C	U	U	U	U	U	U		\mbfitU	mathematical bold italic capital u
U+1D47D	V	V	V	V	V	V		\mbfitV	mathematical bold italic capital v
U+1D47E	W	W	W	W	W	W		\mbfitW	mathematical bold italic capital w
U+1D47F	X	X	X	X	X	X		\mbfitX	mathematical bold italic capital x
U+1D480	Y	Y	Y	Y	Y	Y		\mbfitY	mathematical bold italic capital y
U+1D481	Z	Z	Z	Z	Z	Z		\mbfitZ	mathematical bold italic capital z

13.2.6 Bold italic, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D482	a	a	a	a	a	a		\mbfita	mathematical bold italic small a
U+1D483	b	b	b	b	b	b		\mbfitb	mathematical bold italic small b
U+1D484	c	c	c	c	c	c		\mbfitc	mathematical bold italic small c
U+1D485	d	d	d	d	d	d		\mbfitd	mathematical bold italic small d
U+1D486	e	e	e	e	e	e		\mbfite	mathematical bold italic small e
U+1D487	f	f	f	f	f	f		\mbfitf	mathematical bold italic small f
U+1D488	g	g	g	g	g	g		\mbfitg	mathematical bold italic small g
U+1D489	h	h	h	h	h	h		\mbfith	mathematical bold italic small h
U+1D48A	i	i	i	i	i	i		\mbfiti	mathematical bold italic small i
U+1D48B	j	j	j	j	j	j		\mbfitj	mathematical bold italic small j
U+1D48C	k	k	k	k	k	k		\mbfitk	mathematical bold italic small k
U+1D48D	l	l	l	l	l	l		\mbfitl	mathematical bold italic small l
U+1D48E	m	m	m	m	m	m		\mbfitm	mathematical bold italic small m
U+1D48F	n	n	n	n	n	n		\mbfitn	mathematical bold italic small n
U+1D490	o	o	o	o	o	o		\mbfito	mathematical bold italic small o
U+1D491	p	p	p	p	p	p		\mbfitp	mathematical bold italic small p
U+1D492	q	q	q	q	q	q		\mbfitq	mathematical bold italic small q
U+1D493	r	r	r	r	r	r		\mbfitr	mathematical bold italic small r
U+1D494	s	s	s	s	s	s		\mbfits	mathematical bold italic small s
U+1D495	t	t	t	t	t	t		\mbfitt	mathematical bold italic small t
U+1D496	u	u	u	u	u	u		\mbfitu	mathematical bold italic small u
U+1D497	v	v	v	v	v	v		\mbfitv	mathematical bold italic small v
U+1D498	w	w	w	w	w	w		\mbfitw	mathematical bold italic small w
U+1D499	x	x	x	x	x	x		\mbfitx	mathematical bold italic small x
U+1D49A	y	y	y	y	y	y		\mbfity	mathematical bold italic small y
U+1D49B	z	z	z	z	z	z		\mbfitz	mathematical bold italic small z

13.2.7 Bold italic Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D71C	*A*	*A*	*A*	*A*	*A*	*A*		\mbfitAlpha	mathematical bold italic capital alpha
U+1D71D	*B*	*B*	*B*	*B*	*B*	*B*		\mbfitBeta	mathematical bold italic capital beta
U+1D71E	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*		\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*		\mbfitDelta	mathematical bold italic capital delta
U+1D720	*E*	*E*	*E*	*E*	*E*	*E*		\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D721	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*		\mbfitZeta	mathematical bold italic capital zeta
U+1D722	*H*	*H*	*H*	*H*	*H*	*H*		\mbfitEta	mathematical bold italic capital eta
U+1D723	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*		\mbfitTheta	mathematical bold italic capital theta
U+1D724	*I*	*I*	*I*	*I*	*I*	*I*		\mbfitIota	mathematical bold italic capital iota
U+1D725	*K*	*K*	*K*	*K*	*K*	*K*		\mbfitKappa	mathematical bold italic capital kappa
U+1D726	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*		\mbfitLambda	mathematical bold italic capital lambda
U+1D727	*M*	*M*	*M*	*M*	*M*	*M*		\mbfitMu	mathematical bold italic capital mu
U+1D728	*N*	*N*	*N*	*N*	*N*	*N*		\mbfitNu	mathematical bold italic capital nu
U+1D729	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*		\mbfitXi	mathematical bold italic capital xi
U+1D72A	*O*	*O*	*O*	*O*	*O*	*O*		\mbfitOmicron	mathematical bold italic capital omicron
U+1D72B	*Π*	*Π*	*Π*	*Π*	*Π*	*Π*		\mbfitPi	mathematical bold italic capital pi
U+1D72C	*P*	*P*	*P*	*P*	*P*	*P*		\mbfitRho	mathematical bold italic capital rho

USV	M	X	S	C	A	P	E	Macro	Description
U+1D72D	Θ	Θ	Θ	θ	Θ	Θ		\mbfitvarTheta	mathematical bold italic capital theta symbol
U+1D72E	Σ	Σ	Σ	Σ	Σ	Σ		\mbfitSigma	mathematical bold italic capital sigma
U+1D72F	T	T	T	T	T	T		\mbfitTau	mathematical bold italic capital tau
U+1D730	Υ	Υ	Υ	Υ	Υ	Υ		\mbfitUpsilon	mathematical bold italic capital upsilon
U+1D731	Φ	Φ	Φ	Φ	Φ	Φ		\mbfitPhi	mathematical bold italic capital phi
U+1D732	X	X	X	X	X	X		\mbfitChi	mathematical bold italic capital chi
U+1D733	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ		\mbfitPsi	mathematical bold italic capital psi
U+1D734	Ω	Ω	Ω	Ω	Ω	Ω		\mbfitOmega	mathematical bold italic capital omega

13.2.8 Bold italic Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D736	α	α	α	α	α	α		\mbfitalpha	mathematical bold italic small alpha
U+1D737	β	β	β	β	β	β		\mbfitbeta	mathematical bold italic small beta
U+1D738	γ	γ	γ	γ	γ	γ		\mbfitgamma	mathematical bold italic small gamma
U+1D739	δ	δ	δ	δ	δ	δ		\mbfitdelta	mathematical bold italic small delta
U+1D73A	ε	ε	ε	ε	ε	ε		\mbfitepsilon	mathematical bold italic small epsilon
U+1D73B	ζ	ζ	ζ	ζ	ζ	ζ		\mbfitzeta	mathematical bold italic small zeta
U+1D73C	η	η	η	η	η	η		\mbfiteta	mathematical bold italic small eta
U+1D73D	θ	θ	θ	θ	θ	θ		\mbfittheta	mathematical bold italic small theta
U+1D73E	ι	ι	ι	ι	ι	ι		\mbfitiota	mathematical bold italic small iota
U+1D73F	κ	κ	κ	κ	κ	κ		\mbfitkappa	mathematical bold italic small kappa
U+1D740	λ	λ	λ	λ	λ	λ		\mbfitlambda	mathematical bold italic small lambda
U+1D741	μ	μ	μ	μ	μ	μ		\mbfitmu	mathematical bold italic small mu
U+1D742	ν	ν	ν	ν	ν	ν		\mbfitnu	mathematical bold italic small nu
U+1D743	ξ	ξ	ξ	ξ	ξ	ξ		\mbfitxi	mathematical bold italic small xi
U+1D744	o	o	o	o	o	o		\mbfitomicron	mathematical bold italic small omicron
U+1D745	π	π	π	π	π	π		\mbfitpi	mathematical bold italic small pi
U+1D746	ρ	ρ	ρ	ρ	ρ	ρ		\mbfitrho	mathematical bold italic small rho
U+1D747	ς	ς	ς	ς	ς	ς		\mbfitvarsigma	mathematical bold italic small final sigma
U+1D748	σ	σ	σ	σ	σ	σ		\mbfitsigma	mathematical bold italic small sigma
U+1D749	τ	τ	τ	τ	τ	τ		\mbfittau	mathematical bold italic small tau
U+1D74A	υ	υ	υ	υ	υ	υ		\mbfitupsilon	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ		\mbfitphi	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	χ	χ		\mbfitchi	mathematical bold italic small chi
U+1D74D	ψ	ψ	ψ	ψ	ψ	ψ		\mbfitpsi	mathematical bold italic small psi
U+1D74E	ω	ω	ω	ω	ω	ω		\mbfitomega	mathematical bold italic small omega
U+1D74F	∂	∂	∂	∂	∂	∂		\mbfitpartial	mathematical bold italic partial differential
U+1D750	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ		\mbfitvarepsilon	mathematical bold italic epsilon symbol
U+1D751	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ		\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	ϰ	ϰ	ϰ	ϰ	ϰ			\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ		\mbfitvarphi	mathematical bold italic phi symbol
U+1D754	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ		\mbfitvarpi	mathematical bold italic pi symbol

13.2.9 Bold script, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4D0	𝒜	𝒜	𝒜	𝒜	𝒜	𝒜	𝒜	\mbfscrA	mathematical bold script capital a
U+1D4D1	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	\mbfscrB	mathematical bold script capital b
U+1D4D2	𝒞	𝒞	𝒞	𝒞	𝒞	𝒞	𝒞	\mbfscrC	mathematical bold script capital c
U+1D4D3	𝒟	𝒟	𝒟	𝒟	𝒟	𝒟	𝒟	\mbfscrD	mathematical bold script capital d
U+1D4D4	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	\mbfscrE	mathematical bold script capital e
U+1D4D5	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	\mbfscrF	mathematical bold script capital f
U+1D4D6	𝒢	𝒢	𝒢	𝒢	𝒢	𝒢	𝒢	\mbfscrG	mathematical bold script capital g
U+1D4D7	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mbfscrH	mathematical bold script capital h
U+1D4D8	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	\mbfscrI	mathematical bold script capital i
U+1D4D9	𝒥	𝒥	𝒥	𝒥	𝒥	𝒥	𝒥	\mbfscrJ	mathematical bold script capital j
U+1D4DA	𝒦	𝒦	𝒦	𝒦	𝒦	𝒦	𝒦	\mbfscrK	mathematical bold script capital k
U+1D4DB	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	\mbfscrL	mathematical bold script capital l
U+1D4DC	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	\mbfscrM	mathematical bold script capital m
U+1D4DD	𝒩	𝒩	𝒩	𝒩	𝒩	𝒩	𝒩	\mbfscrN	mathematical bold script capital n
U+1D4DE	𝒪	𝒪	𝒪	𝒪	𝒪	𝒪	𝒪	\mbfscrO	mathematical bold script capital o
U+1D4DF	𝒫	𝒫	𝒫	𝒫	𝒫	𝒫	𝒫	\mbfscrP	mathematical bold script capital p
U+1D4E0	𝒬	𝒬	𝒬	𝒬	𝒬	𝒬	𝒬	\mbfscrQ	mathematical bold script capital q
U+1D4E1	ℛ	ℛ	ℛ	ℛ	ℛ	ℛ	ℛ	\mbfscrR	mathematical bold script capital r
U+1D4E2	𝒮	𝒮	𝒮	𝒮	𝒮	𝒮	𝒮	\mbfscrS	mathematical bold script capital s
U+1D4E3	𝒯	𝒯	𝒯	𝒯	𝒯	𝒯	𝒯	\mbfscrT	mathematical bold script capital t
U+1D4E4	𝒰	𝒰	𝒰	𝒰	𝒰	𝒰	𝒰	\mbfscrU	mathematical bold script capital u
U+1D4E5	𝒱	𝒱	𝒱	𝒱	𝒱	𝒱	𝒱	\mbfscrV	mathematical bold script capital v
U+1D4E6	𝒲	𝒲	𝒲	𝒲	𝒲	𝒲	𝒲	\mbfscrW	mathematical bold script capital w
U+1D4E7	𝒳	𝒳	𝒳	𝒳	𝒳	𝒳	𝒳	\mbfscrX	mathematical bold script capital x
U+1D4E8	𝒴	𝒴	𝒴	𝒴	𝒴	𝒴	𝒴	\mbfscrY	mathematical bold script capital y
U+1D4E9	𝒵	𝒵	𝒵	𝒵	𝒵	𝒵	𝒵	\mbfscrZ	mathematical bold script capital z

13.2.10 Bold script, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4EA		𝒶	𝒶	𝒶	𝒶	𝒶		\mbfscra	mathematical bold script small a
U+1D4EB		𝒷	𝒷	𝒷	𝒷	𝒷		\mbfscrb	mathematical bold script small b
U+1D4EC		𝒸	𝒸	𝒸	𝒸	𝒸		\mbfscrc	mathematical bold script small c
U+1D4ED		𝒹	𝒹	𝒹	𝒹	𝒹		\mbfscrd	mathematical bold script small d
U+1D4EE		ℯ	ℯ	ℯ	ℯ	ℯ		\mbfscre	mathematical bold script small e
U+1D4EF		𝒻	𝒻	𝒻	𝒻	𝒻		\mbfscrf	mathematical bold script small f
U+1D4F0		ℊ	ℊ	ℊ	ℊ	ℊ		\mbfscrg	mathematical bold script small g
U+1D4F1		𝒽	𝒽	𝒽	𝒽	𝒽		\mbfscrh	mathematical bold script small h
U+1D4F2		𝒾	𝒾	𝒾	𝒾	𝒾		\mbfscri	mathematical bold script small i
U+1D4F3		𝒿	𝒿	𝒿	𝒿	𝒿		\mbfscrj	mathematical bold script small j
U+1D4F4		𝓀	𝓀	𝓀	𝓀	𝓀		\mbfscrk	mathematical bold script small k
U+1D4F5		ℓ	ℓ	ℓ	ℓ	ℓ		\mbfscrl	mathematical bold script small l
U+1D4F6		𝓂	𝓂	𝓂	𝓂	𝓂		\mbfscrm	mathematical bold script small m
U+1D4F7		𝓃	𝓃	𝓃	𝓃	𝓃		\mbfscrn	mathematical bold script small n
U+1D4F8		ℴ	ℴ	ℴ	ℴ	ℴ		\mbfscro	mathematical bold script small o

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4F9	𝓅	𝓅	𝓅	𝓅	𝓅	𝓅		\mbfscrp	mathematical bold script small p
U+1D4FA	𝓆	𝓆	𝓆	𝓆	𝓆	𝓆		\mbfscrq	mathematical bold script small q
U+1D4FB	𝓇	𝓇	𝓇	𝓇	𝓇	𝓇		\mbfscrr	mathematical bold script small r
U+1D4FC	𝓈	𝓈	𝓈	𝓈	𝓈	𝓈		\mbfscrs	mathematical bold script small s
U+1D4FD	𝓉	𝓉	𝓉	𝓉	𝓉	𝓉		\mbfscrt	mathematical bold script small t
U+1D4FE	𝓊	𝓊	𝓊	𝓊	𝓊	𝓊		\mbfscru	mathematical bold script small u
U+1D4FF	𝓋	𝓋	𝓋	𝓋	𝓋	𝓋		\mbfscrv	mathematical bold script small v
U+1D500	𝓌	𝓌	𝓌	𝓌	𝓌	𝓌		\mbfscrw	mathematical bold script small w
U+1D501	𝓍	𝓍	𝓍	𝓍	𝓍	𝓍		\mbfscrx	mathematical bold script small x
U+1D502	𝓎	𝓎	𝓎	𝓎	𝓎	𝓎		\mbfscry	mathematical bold script small y
U+1D503	𝓏	𝓏	𝓏	𝓏	𝓏	𝓏		\mbfscrz	mathematical bold script small z

13.2.11 Bold fraktur, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D56C	𝕬	𝕬	𝕬	𝕬	𝕬	𝕬	𝕬	\mbffrakA	mathematical bold fraktur capital a
U+1D56D	𝕭	𝕭	𝕭	𝕭	𝕭	𝕭	𝕭	\mbffrakB	mathematical bold fraktur capital b
U+1D56E	𝕮	𝕮	𝕮	𝕮	𝕮	𝕮	𝕮	\mbffrakC	mathematical bold fraktur capital c
U+1D56F	𝕯	𝕯	𝕯	𝕯	𝕯	𝕯	𝕯	\mbffrakD	mathematical bold fraktur capital d
U+1D570	𝕰	𝕰	𝕰	𝕰	𝕰	𝕰	𝕰	\mbffrakE	mathematical bold fraktur capital e
U+1D571	𝕱	𝕱	𝕱	𝕱	𝕱	𝕱	𝕱	\mbffrakF	mathematical bold fraktur capital f
U+1D572	𝕲	𝕲	𝕲	𝕲	𝕲	𝕲	𝕲	\mbffrakG	mathematical bold fraktur capital g
U+1D573	𝕳	𝕳	𝕳	𝕳	𝕳	𝕳	𝕳	\mbffrakH	mathematical bold fraktur capital h
U+1D574	𝕴	𝕴	𝕴	𝕴	𝕴	𝕴	𝕴	\mbffrakI	mathematical bold fraktur capital i
U+1D575	𝕵	𝕵	𝕵	𝕵	𝕵	𝕵	𝕵	\mbffrakJ	mathematical bold fraktur capital j
U+1D576	𝕶	𝕶	𝕶	𝕶	𝕶	𝕶	𝕶	\mbffrakK	mathematical bold fraktur capital k
U+1D577	𝕷	𝕷	𝕷	𝕷	𝕷	𝕷	𝕷	\mbffrakL	mathematical bold fraktur capital l
U+1D578	𝕸	𝕸	𝕸	𝕸	𝕸	𝕸	𝕸	\mbffrakM	mathematical bold fraktur capital m
U+1D579	𝕹	𝕹	𝕹	𝕹	𝕹	𝕹	𝕹	\mbffrakN	mathematical bold fraktur capital n
U+1D57A	𝕺	𝕺	𝕺	𝕺	𝕺	𝕺	𝕺	\mbffrakO	mathematical bold fraktur capital o
U+1D57B	𝕻	𝕻	𝕻	𝕻	𝕻	𝕻	𝕻	\mbffrakP	mathematical bold fraktur capital p
U+1D57C	𝕼	𝕼	𝕼	𝕼	𝕼	𝕼	𝕼	\mbffrakQ	mathematical bold fraktur capital q
U+1D57D	𝕽	𝕽	𝕽	𝕽	𝕽	𝕽	𝕽	\mbffrakR	mathematical bold fraktur capital r
U+1D57E	𝕾	𝕾	𝕾	𝕾	𝕾	𝕾	𝕾	\mbffrakS	mathematical bold fraktur capital s
U+1D57F	𝕿	𝕿	𝕿	𝕿	𝕿	𝕿	𝕿	\mbffrakT	mathematical bold fraktur capital t
U+1D580	𝖀	𝖀	𝖀	𝖀	𝖀	𝖀	𝖀	\mbffrakU	mathematical bold fraktur capital u
U+1D581	𝖁	𝖁	𝖁	𝖁	𝖁	𝖁	𝖁	\mbffrakV	mathematical bold fraktur capital v
U+1D582	𝖂	𝖂	𝖂	𝖂	𝖂	𝖂	𝖂	\mbffrakW	mathematical bold fraktur capital w
U+1D583	𝖃	𝖃	𝖃	𝖃	𝖃	𝖃	𝖃	\mbffrakX	mathematical bold fraktur capital x
U+1D584	𝖄	𝖄	𝖄	𝖄	𝖄	𝖄	𝖄	\mbffrakY	mathematical bold fraktur capital y
U+1D585	𝖅	𝖅	𝖅	𝖅	𝖅	𝖅	𝖅	\mbffrakZ	mathematical bold fraktur capital z

13.2.12 Bold fraktur, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D586	𝖆	𝖆	𝖆	𝖆	𝖆	𝖆	𝖆	\mbffraka	mathematical bold fraktur small a
U+1D587	𝖇	𝖇	𝖇	𝖇	𝖇	𝖇	𝖇	\mbffrakb	mathematical bold fraktur small b
U+1D588	𝖈	𝖈	𝖈	𝖈	𝖈	𝖈	𝖈	\mbffrakc	mathematical bold fraktur small c
U+1D589	𝖉	𝖉	𝖉	𝖉	𝖉	𝖉	𝖉	\mbffrakd	mathematical bold fraktur small d
U+1D58A	𝖊	𝖊	𝖊	𝖊	𝖊	𝖊	𝖊	\mbffrake	mathematical bold fraktur small e
U+1D58B	𝖋	𝖋	𝖋	𝖋	𝖋	𝖋	𝖋	\mbffrakf	mathematical bold fraktur small f
U+1D58C	𝖌	𝖌	𝖌	𝖌	𝖌	𝖌	𝖌	\mbffrakg	mathematical bold fraktur small g
U+1D58D	𝖍	𝖍	𝖍	𝖍	𝖍	𝖍	𝖍	\mbffrakh	mathematical bold fraktur small h
U+1D58E	𝖎	𝖎	𝖎	𝖎	𝖎	𝖎	𝖎	\mbffraki	mathematical bold fraktur small i
U+1D58F	𝖏	𝖏	𝖏	𝖏	𝖏	𝖏	𝖏	\mbffrakj	mathematical bold fraktur small j
U+1D590	𝖐	𝖐	𝖐	𝖐	𝖐	𝖐	𝖐	\mbffrakk	mathematical bold fraktur small k
U+1D591	𝖑	𝖑	𝖑	𝖑	𝖑	𝖑	𝖑	\mbffrakl	mathematical bold fraktur small l
U+1D592	𝖒	𝖒	𝖒	𝖒	𝖒	𝖒	𝖒	\mbffrakm	mathematical bold fraktur small m
U+1D593	𝖓	𝖓	𝖓	𝖓	𝖓	𝖓	𝖓	\mbffrakn	mathematical bold fraktur small n
U+1D594	𝖔	𝖔	𝖔	𝖔	𝖔	𝖔	𝖔	\mbffrako	mathematical bold fraktur small o
U+1D595	𝖕	𝖕	𝖕	𝖕	𝖕	𝖕	𝖕	\mbffrakp	mathematical bold fraktur small p
U+1D596	𝖖	𝖖	𝖖	𝖖	𝖖	𝖖	𝖖	\mbffrakq	mathematical bold fraktur small q
U+1D597	𝖗	𝖗	𝖗	𝖗	𝖗	𝖗	𝖗	\mbffrakr	mathematical bold fraktur small r
U+1D598	𝖘	𝖘	𝖘	𝖘	𝖘	𝖘	𝖘	\mbffraks	mathematical bold fraktur small s
U+1D599	𝖙	𝖙	𝖙	𝖙	𝖙	𝖙	𝖙	\mbffrakt	mathematical bold fraktur small t
U+1D59A	𝖚	𝖚	𝖚	𝖚	𝖚	𝖚	𝖚	\mbffraku	mathematical bold fraktur small u
U+1D59B	𝖛	𝖛	𝖛	𝖛	𝖛	𝖛	𝖛	\mbffrakv	mathematical bold fraktur small v
U+1D59C	𝖜	𝖜	𝖜	𝖜	𝖜	𝖜	𝖜	\mbffrakw	mathematical bold fraktur small w
U+1D59D	𝖝	𝖝	𝖝	𝖝	𝖝	𝖝	𝖝	\mbffrakx	mathematical bold fraktur small x
U+1D59E	𝖞	𝖞	𝖞	𝖞	𝖞	𝖞	𝖞	\mbffraky	mathematical bold fraktur small y
U+1D59F	𝖟	𝖟	𝖟	𝖟	𝖟	𝖟	𝖟	\mbffrakz	mathematical bold fraktur small z

13.2.13 Bold sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5D4	𝗔	𝗔	𝗔	𝗔	𝗔	𝗔		\mbfsansA	mathematical sans-serif bold capital a
U+1D5D5	𝗕	𝗕	𝗕	𝗕	𝗕	𝗕		\mbfsansB	mathematical sans-serif bold capital b
U+1D5D6	𝗖	𝗖	𝗖	𝗖	𝗖	𝗖		\mbfsansC	mathematical sans-serif bold capital c
U+1D5D7	𝗗	𝗗	𝗗	𝗗	𝗗	𝗗		\mbfsansD	mathematical sans-serif bold capital d
U+1D5D8	𝗘	𝗘	𝗘	𝗘	𝗘	𝗘		\mbfsansE	mathematical sans-serif bold capital e
U+1D5D9	𝗙	𝗙	𝗙	𝗙	𝗙	𝗙		\mbfsansF	mathematical sans-serif bold capital f
U+1D5DA	𝗚	𝗚	𝗚	𝗚	𝗚	𝗚		\mbfsansG	mathematical sans-serif bold capital g
U+1D5DB	𝗛	𝗛	𝗛	𝗛	𝗛	𝗛		\mbfsansH	mathematical sans-serif bold capital h
U+1D5DC	𝗜	𝗜	𝗜	𝗜	𝗜	𝗜		\mbfsansI	mathematical sans-serif bold capital i
U+1D5DD	𝗝	𝗝	𝗝	𝗝	𝗝	𝗝		\mbfsansJ	mathematical sans-serif bold capital j
U+1D5DE	𝗞	𝗞	𝗞	𝗞	𝗞	𝗞		\mbfsansK	mathematical sans-serif bold capital k
U+1D5DF	𝗟	𝗟	𝗟	𝗟	𝗟	𝗟		\mbfsansL	mathematical sans-serif bold capital l
U+1D5E0	𝗠	𝗠	𝗠	𝗠	𝗠	𝗠		\mbfsansM	mathematical sans-serif bold capital m
U+1D5E1	𝗡	𝗡	𝗡	𝗡	𝗡	𝗡		\mbfsansN	mathematical sans-serif bold capital n
U+1D5E2	𝗢	𝗢	𝗢	𝗢	𝗢	𝗢		\mbfsansO	mathematical sans-serif bold capital o
U+1D5E3	𝗣	𝗣	𝗣	𝗣	𝗣	𝗣		\mbfsansP	mathematical sans-serif bold capital p
U+1D5E4	𝗤	𝗤	𝗤	𝗤	𝗤	𝗤		\mbfsansQ	mathematical sans-serif bold capital q

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5E5	R	R	R	R	R	R		\mbfsansR	mathematical sans-serif bold capital r
U+1D5E6	S	S	S	S	S	S		\mbfsansS	mathematical sans-serif bold capital s
U+1D5E7	T	T	T	T	T	T		\mbfsansT	mathematical sans-serif bold capital t
U+1D5E8	U	U	U	U	U	U		\mbfsansU	mathematical sans-serif bold capital u
U+1D5E9	V	V	V	V	V	V		\mbfsansV	mathematical sans-serif bold capital v
U+1D5EA	W	W	W	W	W	W		\mbfsansW	mathematical sans-serif bold capital w
U+1D5EB	X	X	X	X	X	X		\mbfsansX	mathematical sans-serif bold capital x
U+1D5EC	Y	Y	Y	Y	Y	Y		\mbfsansY	mathematical sans-serif bold capital y
U+1D5ED	Z	Z	Z	Z	Z	Z		\mbfsansZ	mathematical sans-serif bold capital z

13.2.14 Bold sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5EE	a	a	a	a	a	a		\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b	b		\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	c	c	c	c	c	c		\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d	d		\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	e	e	e	e	e		\mbfsanse	mathematical sans-serif bold small e
U+1D5F3	f	f	f	f	f	f		\mbfsansf	mathematical sans-serif bold small f
U+1D5F4	g	g	g	g	g	g		\mbfsansg	mathematical sans-serif bold small g
U+1D5F5	h	h	h	h	h	h		\mbfsansh	mathematical sans-serif bold small h
U+1D5F6	i	i	i	i	i	i		\mbfsansi	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j	j		\mbfsansj	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k	k		\mbfsansk	mathematical sans-serif bold small k
U+1D5F9	l	l	l	l	l	l		\mbfsansl	mathematical sans-serif bold small l
U+1D5FA	m	m	m	m	m	m		\mbfsansm	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n	n		\mbfsansn	mathematical sans-serif bold small n
U+1D5FC	o	o	o	o	o	o		\mbfsanso	mathematical sans-serif bold small o
U+1D5FD	p	p	p	p	p	p		\mbfsansp	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q	q		\mbfsansq	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r	r		\mbfsansr	mathematical sans-serif bold small r
U+1D600	s	s	s	s	s	s		\mbfsanss	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t	t		\mbfsanst	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u	u		\mbfsansu	mathematical sans-serif bold small u
U+1D603	v	v	v	v	v	v		\mbfsansv	mathematical sans-serif bold small v
U+1D604	w	w	w	w	w	w		\mbfsansw	mathematical sans-serif bold small w
U+1D605	x	x	x	x	x	x		\mbfsansx	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y	y		\mbfsansy	mathematical sans-serif bold small y
U+1D607	z	z	z	z	z	z		\mbfsansz	mathematical sans-serif bold small z

13.2.15 Bold italic sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D63C	A	A	A	A	A	A		\mbfitsansA	mathematical sans-serif bold italic capital a
U+1D63D	B	B	B	B	B	B		\mbfitsansB	mathematical sans-serif bold italic capital b

USV	M	X	S	C	A	P	E	Macro	Description
U+1D63E	C	C	C	C	C	C		\mbfitsansC	mathematical sans-serif bold italic capital c
U+1D63F	D	D	D	D	D	D		\mbfitsansD	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	E	E		\mbfitsansE	mathematical sans-serif bold italic capital e
U+1D641	F	F	F	F	F	F		\mbfitsansF	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	G	G		\mbfitsansG	mathematical sans-serif bold italic capital g
U+1D643	H	H	H	H	H	H		\mbfitsansH	mathematical sans-serif bold italic capital h
U+1D644	I	I	I	I	I	I		\mbfitsansI	mathematical sans-serif bold italic capital i
U+1D645	J	J	J	J	J	J		\mbfitsansJ	mathematical sans-serif bold italic capital j
U+1D646	K	K	K	K	K	K		\mbfitsansK	mathematical sans-serif bold italic capital k
U+1D647	L	L	L	L	L	L		\mbfitsansL	mathematical sans-serif bold italic capital l
U+1D648	M	M	M	M	M	M		\mbfitsansM	mathematical sans-serif bold italic capital m
U+1D649	N	N	N	N	N	N		\mbfitsansN	mathematical sans-serif bold italic capital n
U+1D64A	O	O	O	O	O	O		\mbfitsansO	mathematical sans-serif bold italic capital o
U+1D64B	P	P	P	P	P	P		\mbfitsansP	mathematical sans-serif bold italic capital p
U+1D64C	Q	Q	Q	Q	Q	Q		\mbfitsansQ	mathematical sans-serif bold italic capital q
U+1D64D	R	R	R	R	R	R		\mbfitsansR	mathematical sans-serif bold italic capital r
U+1D64E	S	S	S	S	S	S		\mbfitsansS	mathematical sans-serif bold italic capital s
U+1D64F	T	T	T	T	T	T		\mbfitsansT	mathematical sans-serif bold italic capital t
U+1D650	U	U	U	U	U	U		\mbfitsansU	mathematical sans-serif bold italic capital u
U+1D651	V	V	V	V	V	V		\mbfitsansV	mathematical sans-serif bold italic capital v
U+1D652	W	W	W	W	W	W		\mbfitsansW	mathematical sans-serif bold italic capital w
U+1D653	X	X	X	X	X	X		\mbfitsansX	mathematical sans-serif bold italic capital x
U+1D654	Y	Y	Y	Y	Y	Y		\mbfitsansY	mathematical sans-serif bold italic capital y
U+1D655	Z	Z	Z	Z	Z	Z		\mbfitsansZ	mathematical sans-serif bold italic capital z

13.2.16 Bold italic sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D656	a	a	a	a	a	a		\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	b	b	b	b	b	b		\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	c	c	c	c	c	c		\mbfitsansc	mathematical sans-serif bold italic small c
U+1D659	d	d	d	d	d	d		\mbfitsansd	mathematical sans-serif bold italic small d
U+1D65A	e	e	e	e	e	e		\mbfitsanse	mathematical sans-serif bold italic small e
U+1D65B	f	f	f	f	f	f		\mbfitsansf	mathematical sans-serif bold italic small f
U+1D65C	g	g	g	g	g	g		\mbfitsansg	mathematical sans-serif bold italic small g
U+1D65D	h	h	h	h	h	h		\mbfitsansh	mathematical sans-serif bold italic small h
U+1D65E	i	i	i	i	i	i		\mbfitsansi	mathematical sans-serif bold italic small i
U+1D65F	j	j	j	j	j	j		\mbfitsansj	mathematical sans-serif bold italic small j
U+1D660	k	k	k	k	k	k		\mbfitsansk	mathematical sans-serif bold italic small k
U+1D661	l	l	l	l	l	l		\mbfitsansl	mathematical sans-serif bold italic small l
U+1D662	m	m	m	m	m	m		\mbfitsansm	mathematical sans-serif bold italic small m
U+1D663	n	n	n	n	n	n		\mbfitsansn	mathematical sans-serif bold italic small n
U+1D664	o	o	o	o	o	o		\mbfitsanso	mathematical sans-serif bold italic small o
U+1D665	p	p	p	p	p	p		\mbfitsansp	mathematical sans-serif bold italic small p
U+1D666	q	q	q	q	q	q		\mbfitsansq	mathematical sans-serif bold italic small q
U+1D667	r	r	r	r	r	r		\mbfitsansr	mathematical sans-serif bold italic small r
U+1D668	s	s	s	s	s	s		\mbfitsanss	mathematical sans-serif bold italic small s
U+1D669	t	t	t	t	t	t		\mbfitsanst	mathematical sans-serif bold italic small t

USV	M	X	S	C	A	P	E	Macro	Description
U+1D66A	*u*	*u*	*u*	*u*	*u*	*u*		\mbfitsansu	mathematical sans-serif bold italic small u
U+1D66B	*v*	*v*	*v*	*v*	*v*	*v*		\mbfitsansv	mathematical sans-serif bold italic small v
U+1D66C	*w*	*w*	*w*	*w*	*w*	*w*		\mbfitsansw	mathematical sans-serif bold italic small w
U+1D66D	*x*	*x*	*x*	*x*	*x*	*x*		\mbfitsansx	mathematical sans-serif bold italic small x
U+1D66E	*y*	*y*	*y*	*y*	*y*	*y*		\mbfitsansy	mathematical sans-serif bold italic small y
U+1D66F	*z*	*z*	*z*	*z*	*z*	*z*		\mbfitsansz	mathematical sans-serif bold italic small z

13.2.17 Bold sans serif Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D756	Α	Α	Α		Α	Α		\mbfsansAlpha	mathematical sans-serif bold capital alpha
U+1D757	Β	Β	Β		Β	Β		\mbfsansBeta	mathematical sans-serif bold capital beta
U+1D758	Γ	Γ	Γ		Γ	Γ		\mbfsansGamma	mathematical sans-serif bold capital gamma
U+1D759	Δ	Δ	Δ		Δ	Δ		\mbfsansDelta	mathematical sans-serif bold capital delta
U+1D75A	Ε	Ε	Ε		Ε	Ε		\mbfsansEpsilon	mathematical sans-serif bold capital epsilon
U+1D75B	Ζ	Ζ	Ζ		Ζ	Ζ		\mbfsansZeta	mathematical sans-serif bold capital zeta
U+1D75C	Η	Η	Η		Η	Η		\mbfsansEta	mathematical sans-serif bold capital eta
U+1D75D	Θ	Θ	Θ		Θ	Θ		\mbfsansTheta	mathematical sans-serif bold capital theta
U+1D75E	Ι	Ι	Ι		Ι	Ι		\mbfsansIota	mathematical sans-serif bold capital iota
U+1D75F	Κ	Κ	Κ		Κ	Κ		\mbfsansKappa	mathematical sans-serif bold capital kappa
U+1D760	Λ	Λ	Λ		Λ	Λ		\mbfsansLambda	mathematical sans-serif bold capital lambda
U+1D761	Μ	Μ	Μ		Μ	Μ		\mbfsansMu	mathematical sans-serif bold capital mu
U+1D762	Ν	Ν	Ν		Ν	Ν		\mbfsansNu	mathematical sans-serif bold capital nu
U+1D763	Ξ	Ξ	Ξ		Ξ	Ξ		\mbfsansXi	mathematical sans-serif bold capital xi
U+1D764	Ο	Ο	Ο		Ο	Ο		\mbfsansOmicron	mathematical sans-serif bold capital omicron
U+1D765	Π	Π	Π		Π	Π		\mbfsansPi	mathematical sans-serif bold capital pi
U+1D766	Ρ	Ρ	Ρ		Ρ	Ρ		\mbfsansRho	mathematical sans-serif bold capital rho
U+1D767	Θ	Θ	Θ		Θ	Θ		\mbfsansvarTheta	mathematical sans-serif bold capital theta symbol
U+1D768	Σ	Σ	Σ		Σ	Σ		\mbfsansSigma	mathematical sans-serif bold capital sigma
U+1D769	Τ	Τ	Τ		Τ	Τ		\mbfsansTau	mathematical sans-serif bold capital tau
U+1D76A	Υ	Υ	Υ		Υ	Υ		\mbfsansUpsilon	mathematical sans-serif bold capital upsilon
U+1D76B	Φ	Φ	Φ		Φ	Φ		\mbfsansPhi	mathematical sans-serif bold capital phi
U+1D76C	Χ	Χ	Χ		Χ	Χ		\mbfsansChi	mathematical sans-serif bold capital chi
U+1D76D	Ψ	Ψ	Ψ		Ψ	Ψ		\mbfsansPsi	mathematical sans-serif bold capital psi
U+1D76E	Ω	Ω	Ω		Ω	Ω		\mbfsansOmega	mathematical sans-serif bold capital omega

13.2.18 Bold sans serif Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D770	α	α	α		α	α		\mbfsansalpha	mathematical sans-serif bold small alpha
U+1D771	β	β	β		β	β		\mbfsansbeta	mathematical sans-serif bold small beta
U+1D772	γ	γ	γ		γ	γ		\mbfsansgamma	mathematical sans-serif bold small gamma
U+1D773	δ	δ	δ		δ	δ		\mbfsansdelta	mathematical sans-serif bold small delta
U+1D774	ε	ε	ε		ε	ε		\mbfsansepsilon	mathematical sans-serif bold small epsilon
U+1D775	ζ	ζ	ζ		ζ	ζ		\mbfsanszeta	mathematical sans-serif bold small zeta

USV	M	X	S	C	A	P	E	Macro	Description
U+1D776	η	η	η		η	η		\mbfsanseta	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ		θ	θ		\mbfsanstheta	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι		ι	ι		\mbfsansiota	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ		κ	κ		\mbfsanskappa	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ		λ	λ		\mbfsanslambda	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ		μ	μ		\mbfsansmu	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν		ν	ν		\mbfsansnu	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ		ξ	ξ		\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο		ο	ο		\mbfsansomicron	mathematical sans-serif bold small omicron
U+1D77F	π	π	π		π	π		\mbfsanspi	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ		ρ	ρ		\mbfsansrho	mathematical sans-serif bold small rho
U+1D781	ς	ς	ς		ς	ς		\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ		σ	σ		\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ		τ	τ		\mbfsanstau	mathematical sans-serif bold small tau
U+1D784	υ	υ	υ		υ	υ		\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ		φ	φ		\mbfsansphi	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ		χ	χ		\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ		ψ	ψ		\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	ω	ω	ω		ω	ω		\mbfsansomega	mathematical sans-serif bold small omega
U+1D789	∂	∂	∂		∂	∂		\mbfsanspartial	mathematical sans-serif bold partial differential
U+1D78A	ϵ	ϵ	ϵ		ϵ	ϵ		\mbfsansvarepsilon	mathematical sans-serif bold epsilon symbol
U+1D78B	ϑ	ϑ	ϑ		ϑ	ϑ		\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	ϰ	ϰ	ϰ		ϰ	ϰ		\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	ϕ	ϕ	ϕ		ϕ	ϕ		\mbfsansvarphi	mathematical sans-serif bold phi symbol
U+1D78E	ϱ	ϱ	ϱ		ϱ	ϱ		\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	ϖ	ϖ	ϖ		ϖ			\mbfsansvarpi	mathematical sans-serif bold pi symbol

13.2.19 Bold italic sans serif Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D790	*A*	*A*	*A*		*A*	*A*		\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
U+1D791	*B*	*B*	*B*		*B*	*B*		\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	*Γ*	*Γ*	*Γ*		*Γ*	*Γ*		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	*Δ*	*Δ*	*Δ*		*Δ*	*Δ*		\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	*E*	*E*	*E*		*E*	*E*		\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	*Z*	*Z*	*Z*		*Z*	*Z*		\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	*H*	*H*	*H*		*H*	*H*		\mbfitsansEta	mathematical sans-serif bold italic capital eta
U+1D797	*Θ*	*Θ*	*Θ*		*Θ*	*Θ*		\mbfitsansTheta	mathematical sans-serif bold italic capital theta
U+1D798	*I*	*I*	*I*		*I*	*I*		\mbfitsansIota	mathematical sans-serif bold italic capital iota
U+1D799	*K*	*K*	*K*		*K*	*K*		\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
U+1D79A	*Λ*	*Λ*	*Λ*		*Λ*	*Λ*		\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
U+1D79B	*M*	*M*	*M*		*M*	*M*		\mbfitsansMu	mathematical sans-serif bold italic capital mu
U+1D79C	*N*	*N*	*N*		*N*	*N*		\mbfitsansNu	mathematical sans-serif bold italic capital nu
U+1D79D	*Ξ*	*Ξ*	*Ξ*		*Ξ*	*Ξ*		\mbfitsansXi	mathematical sans-serif bold italic capital xi
U+1D79E	*O*	*O*	*O*		*O*	*O*		\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
U+1D79F	*Π*	*Π*	*Π*		*Π*	*Π*		\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	*P*	*P*	*P*		*P*	*P*		\mbfitsansRho	mathematical sans-serif bold italic capital rho

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7A1	*Θ*	*Θ*	*Θ*		*Θ*	*Θ*		\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	*Σ*	*Σ*	*Σ*		*Σ*	*Σ*		\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	*T*	*T*	*T*		*T*	*T*		\mbfitsansTau	mathematical sans-serif bold italic capital tau
U+1D7A4	*Υ*	*Υ*	*Υ*		*Υ*	*Υ*		\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	*Φ*	*Φ*	*Φ*		*Φ*	*Φ*		\mbfitsansPhi	mathematical sans-serif bold italic capital phi
U+1D7A6	*X*	*X*	*X*		*X*	*X*		\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	*Ψ*	*Ψ*	*Ψ*		*Ψ*	*Ψ*		\mbfitsansPsi	mathematical sans-serif bold italic capital psi
U+1D7A8	*Ω*	*Ω*	*Ω*		*Ω*	*Ω*		\mbfitsansOmega	mathematical sans-serif bold italic capital omega

13.2.20 Bold italic sans serif Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7AA	*α*	*α*	*α*		*α*	*α*		\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	*β*	*β*	*β*		*β*	*β*		\mbfitsansbeta	mathematical sans-serif bold italic small beta
U+1D7AC	*γ*	*γ*	*γ*		*γ*	*γ*		\mbfitsansgamma	mathematical sans-serif bold italic small gamma
U+1D7AD	*δ*	*δ*	*δ*		*δ*	*δ*		\mbfitsansdelta	mathematical sans-serif bold italic small delta
U+1D7AE	*ε*	*ε*	*ε*		*ε*	*ε*		\mbfitsansepsilon	mathematical sans-serif bold italic small epsilon
U+1D7AF	*ζ*	*ζ*	*ζ*		*ζ*	*ζ*		\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	*η*	*η*	*η*		*η*	*η*		\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	*θ*	*θ*	*θ*		*θ*	*θ*		\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	*ι*	*ι*	*ι*		*ι*	*ι*		\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	*κ*	*κ*	*κ*		*κ*	*κ*		\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	*λ*	*λ*	*λ*		*λ*	*λ*		\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	*μ*	*μ*	*μ*		*μ*	*μ*		\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	*ν*	*ν*	*ν*		*ν*	*ν*		\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	*ξ*	*ξ*	*ξ*		*ξ*	*ξ*		\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	*o*	*o*	*o*		*o*	*o*		\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	*π*	*π*	*π*		*π*	*π*		\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	*ρ*	*ρ*	*ρ*		*ρ*	*ρ*		\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	*ς*	*ς*	*ς*		*ς*	*ς*		\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	*σ*	*σ*	*σ*		*σ*	*σ*		\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	*τ*	*τ*	*τ*		*τ*	*τ*		\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	*υ*	*υ*	*υ*		*υ*	*υ*		\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	*φ*	*φ*	*φ*		*φ*	*φ*		\mbfitsansphi	mathematical sans-serif bold italic small phi
U+1D7C0	*χ*	*χ*	*χ*		*χ*	*χ*		\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	*ψ*	*ψ*	*ψ*		*ψ*	*ψ*		\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	*ω*	*ω*	*ω*		*ω*	*ω*		\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	*∂*	*∂*	*∂*		*∂*	*∂*		\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	*ϵ*	*ϵ*	*ϵ*		*ϵ*	*ϵ*		\mbfitsansvarepsilon	mathematical sans-serif bold italic epsilon symbol
U+1D7C5	*ϑ*	*ϑ*	*ϑ*		*ϑ*	*ϑ*		\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	*ϰ*	*ϰ*	*ϰ*		*ϰ*	*ϰ*		\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	*φ*	*φ*	*φ*		*φ*	*φ*		\mbfitsansvarphi	mathematical sans-serif bold italic phi symbol
U+1D7C8	*ϱ*	*ϱ*	*ϱ*		*ϱ*	*ϱ*		\mbfitsansvarrho	mathematical sans-serif bold italic rho symbol
U+1D7C9	*ϖ*	*ϖ*	*ϖ*		*ϖ*			\mbfitsansvarpi	mathematical sans-serif bold italic pi symbol

13.3 Miscellaneous

USV	M	X	S	C	A	P	E	Macro	Description
U+00F0	ð	ð	ð	ð	ð	ð		\matheth	eth
U+2102	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ		\BbbC	/bbb c, open face c
U+210A		𝑔	𝑔	𝑔	𝑔	𝑔		\mscrg	/scr g, script letter g
U+210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mscrH	hamiltonian (script capital h)
U+210C	ℌ	ℌ	ℌ	ℌ	ℌ	ℌ	ℌ	\mfrakH	/frak h, upper case h
U+210D	ℍ	ℍ	ℍ	ℍ	ℍ	ℍ		\BbbH	/bbb h, open face h
U+210F	ħ	ħ	ħ	ħ	ħ	ħ		\hslash[a]	/hslash - variant planck's over 2pi
U+2110	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	\mscrI	/scr i, script letter i
U+2111	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	\Im[p]	imaginary part
U+2112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	\mscrL	lagrangian (script capital l)
U+2113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	\ell[p]	cursive small l
U+2115	ℕ	ℕ	ℕ	ℕ	ℕ	ℕ		\BbbN	/bbb n, open face n
U+2118	℘	℘	℘	℘	℘	℘	℘	\wp[p]	weierstrass p
U+2119	ℙ	ℙ	ℙ	ℙ	ℙ	ℙ		\BbbP	/bbb p, open face p
U+211A	ℚ	ℚ	ℚ	ℚ	ℚ	ℚ		\BbbQ	/bbb q, open face q
U+211B	ℛ	ℛ	ℛ	ℛ	ℛ	ℛ	ℛ	\mscrR	/scr r, script letter r
U+211C	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	\Re[p]	real part
U+211D	ℝ	ℝ	ℝ	ℝ	ℝ	ℝ		\BbbR	/bbb r, open face r
U+2124	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ		\BbbZ	/bbb z, open face z
U+2128	ℨ	ℨ	ℨ	ℨ	ℨ	ℨ	ℨ	\mfrakZ	/frak z, upper case z
U+2129		℩	℩	℩	℩			\turnediota	turned iota
U+212B	Å	Å	Å	Å	Å	Å		\Angstrom	angstrom capital a, ring
U+212C	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	\mscrB	bernoulli function (script capital b)
U+212D	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ	\mfrakC	black-letter capital c
U+212F		ℯ	ℯ	ℯ	ℯ	ℯ		\mscre	/scr e, script letter e
U+2130	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	\mscrE	/scr e, script letter e
U+2131	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	\mscrF	/scr f, script letter f
U+2133	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	\mscrM	physics m-matrix (script capital m)
U+2134		ℴ	ℴ	ℴ	ℴ	ℴ		\mscro	order of (script small o)
U+2135	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	\aleph[p]	aleph, hebrew
U+2136	ℶ	ℶ	ℶ	ℶ	ℶ	ℶ		\beth[a]	beth, hebrew
U+2137	ℷ	ℷ	ℷ	ℷ	ℷ	ℷ		\gimel[a]	gimel, hebrew
U+2138	ℸ	ℸ	ℸ	ℸ	ℸ	ℸ		\daleth[a]	daleth, hebrew
U+213D	ℽ	ℽ	ℽ	ℽ	ℽ	ℽ		\Bbbgamma	double-struck small gamma
U+213E	ℾ	ℾ	ℾ	ℾ	ℾ	ℾ		\BbbGamma	double-struck capital gamma
U+213F	ℿ	ℿ	ℿ	ℿ	ℿ	ℿ		\BbbPi	double-struck capital pi
U+2202	∂	∂	∂	∂	∂	∂	∂	\partial[p]	partial differential
U+2207	∇	∇	∇	∇	∇	∇		\nabla[p]	nabla, del, hamilton operator
U+1D6A4	ı	ı	ı	ı	ı	ı		\imath[p]	mathematical italic small dotless i
U+1D6A5	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ		\jmath[p]	mathematical italic small dotless j
U+1D6C1	∇	∇	∇	∇	∇	∇		\mbfnabla	mathematical bold nabla
U+1D6FB	∇	∇	∇	∇	∇	∇		\mitnabla	mathematical italic nabla
U+1D735	∇	∇	∇	∇	∇	∇		\mbfitnabla	mathematical bold italic nabla
U+1D76F	∇	∇	∇		∇	∇		\mbfsansnabla	mathematical sans-serif bold nabla
U+1D7A9	∇	∇	∇		∇	∇		\mbfitsansnabla	mathematical sans-serif bold italic nabla
U+1D7CA		Ϝ			Ϝ			\mbfDigamma	mathematical bold capital digamma
U+1D7CB		ϝ			ϝ			\mbfdigamma	mathematical bold small digamma

usv	M	X	S	C	A	P	E	Macro	Description