Symbols defined by unicode-math

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Modified (df) to show Sans-Serif Math symbols

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. It compares (with approximate symbol counts) two reference fonts (NewComputerModern and Cambria) to four sans-serif fonts:

M New Computer Modern Math (2447)

C Cambria Math (2192)

G GFS Neo Hellenic Math (1671)

K KpSans Math (1618)

L Lete Sans Math (2330)

N Noto Sans Math (2447)

F Fira Math (1068)

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].

Note that this list of fonts is not intended to be exhaustive but I am happy to add new fonts by request if they are distributed in TeX Live.[1]

Contents

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[1]Only a single TeX Gyre Math font is shown here by design as they all largely have the same symbol coverage.

1 Opening symbols, \mathopen

USV	M	C	G	K	L	N	F	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	∛	∛		∛	∛	∛	∛	\cuberoot	cube root
U+0221C	∜	∜		∜	∜	∜	∜	\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

USV	M	C	G	K	L	N	F	Macro	Description
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	C	G	K	L	N	F	Macro	Description
U+00021	!	!	!	!	!	!	!	\mathexclam	exclamation mark
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

USV	M	C	G	K	L	N	F	Macro	Description
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	C	G	K	L	N	F	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	C	G	K	L	N	F	Macro	Description
U+0002C	,	,	,	,	,	,	,	\mathcomma	comma
U+0003A	:	:	:	:	:	:	:	\mathcolon	colon
U+0003B	;	;	;	;	;	;	;	\mathsemicolon	semicolon p:

5 'Over' symbols, \mathover

USV	M	C	G	K	L	N	F	Macro	Description
U+023B4	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	\overbracket	top square bracket
U+023DC	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	\overparen	top parenthesis (mathematical use)
U+023DE	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	\overbrace[(p)]	top curly bracket (mathematical use)

6 'Under' symbols, \mathunder

USV	M	C	G	K	L	N	F	Macro	Description
U+023B5	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	\underbracket	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	\underparen	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	\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	C	G	K	L	N	F	Macro	Description
U+00300	$\grave{x}$	$\grave{x}$	x`	$\grave{x}$	$\grave{x}$	$\grave{X}$	$\grave{X}$	\grave(p)	grave accent
U+00301	$\acute{x}$	$\acute{x}$	x'	$\acute{x}$	$\acute{X}$	$\acute{X}$	$\acute{X}$	\acute(p)	acute accent
U+00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{X}$	$\hat{X}$	$\hat{X}$	\hat(p)	circumflex accent
U+00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{X}$	$\tilde{X}$	$\tilde{X}$	\tilde(p)	tilde
U+00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{X}$	$\bar{X}$	$\bar{X}$	\bar(p)	macron
U+00305	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{X}$	$\overline{X}$	$\overline{X}$	\overbar	overbar embellishment
U+00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{X}$	$\breve{X}$	$\breve{X}$	\breve(p)	breve
U+00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{X}$	$\dot{X}$	$\dot{X}$	\dot(p)	dot above
U+00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{X}$	$\ddot{X}$	$\ddot{X}$	\ddot(p)	dieresis
U+00309	$\overset{?}{x}$	$\overset{?}{x}$	$\overset{?}{x}$	$\overset{?}{x}$	$\overset{?}{X}$	$\overset{?}{X}$	$\overset{?}{X}$	\ovhook	combining hook above
U+0030A	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{X}$	$\mathring{X}$	$\mathring{X}$	\ocirc	ring
U+0030C	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{X}$	$\check{X}$	$\check{X}$	\check(p)	caron
U+00310	$\overset{\vee}{x}$	$\overset{\vee}{x}$		$\overset{\vee}{x}$	$\overset{\vee}{X}$	$\overset{\vee}{X}$		\candra	candrabindu (non-spacing)
U+00312	$\overset{\backprime}{x}$	$\overset{\backprime}{x}$	$\overset{\backprime}{x}$		$\overset{\backprime}{X}$	$\overset{\backprime}{X}$	$\overset{\backprime}{X}$	\oturnedcomma	combining turned comma above
U+00315	$\overset{?}{x}$	$\overset{?}{x}$			$\overset{?}{X}$	$\overset{?}{X}$		\ocommatopright	combining comma above right
U+0031A	$\overset{\ulcorner}{x}$	$\overset{\ulcorner}{x}$			$\overset{\ulcorner}{X}$	$\overset{\ulcorner}{X}$	$\overset{\ulcorner}{X}$	\droang	left angle above (non-spacing)
U+020D0	$\overleftharpoon{x}$	$\overleftharpoon{x}$	$\overleftharpoon{x}$	$\overleftharpoon{x}$	$\overleftharpoon{X}$	$\overleftharpoon{X}$	$\overleftharpoon{X}$	\leftharpoonaccent	combining left harpoon above
U+020D1	$\overrightharpoon{x}$	$\overrightharpoon{x}$	$\overrightharpoon{x}$	$\overrightharpoon{x}$	$\overrightharpoon{X}$	$\overrightharpoon{X}$	$\overrightharpoon{X}$	\rightharpoonaccent	combining right harpoon above
U+020D2	$\not{x}$	$\not{x}$	x|	$\not{x}$	$\not{x}$	$\not{X}$	$\not{X}$	\vertoverlay	combining long vertical line overlay
U+020D7	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{X}$	$\vec{X}$	$\vec{X}$	\vec(p)	combining right arrow above
U+020DB	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{X}$	$\dddot{X}$	$\dddot{X}$	\dddot	combining three dots above
U+020DC	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{X}$	$\ddddot{X}$	$\ddddot{X}$	\ddddot	combining four dots above
U+020E7	$\overline{x}\|$			$\overline{x}\|$	$\overline{X}\|$	$\overline{X}\|$		\annuity	combining annuity symbol
U+020E9	$\overfrown{x}$	$\overfrown{x}$	$\overfrown{x}$	$\overfrown{x}$	$\overfrown{X}$	$\overfrown{X}$	$\overfrown{X}$	\widebridgeabove	combining wide bridge above
U+020F0	$\overset{*}{x}$		$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{X}$	$\overset{*}{X}$	$\overset{*}{X}$	\asteraccent	combining asterisk above

8 Accents wide, \mathaccentwide

USV	M	C	G	K	L	N	F	Macro	Description
U+0302	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$x\,\hat{+}\,y$	\widehat$^{(p)}$	circumflex accent
U+0303	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$x\,\tilde{+}\,y$	\widetilde$^{(p)}$	tilde
U+0305	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$x\,\bar{+}\,y$	\wideoverbar	stretchy overbar embellishment
U+0306	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$x\,\breve{+}\,y$	$x\,\breve{+}\,y$	\widebreve	stretchy breve
U+030C	$\widecheck{x+y}$	$\widecheck{x+y}$	$\widecheck{x+y}$	$\widecheck{x+y}$	$\widecheck{x+y}$	$\widecheck{x+y}$	$x\,\check{+}\,y$	\widecheck	stretchy caron
U+020D0	$\overleftharpoon{x+y}$	$\overleftharpoon{x+y}$	$\overleftharpoon{x+y}$	$\overleftharpoon{x+y}$	$\overleftharpoon{x+y}$	$\overleftharpoon{x+y}$	$x\,\overset{\leftharpoonup}{+}\,y$	\overleftharpoon	combining left harpoon above
U+020D1	$\overrightharpoon{x+y}$	$\overrightharpoon{x+y}$	$\overrightharpoon{x+y}$	$\overrightharpoon{x+y}$	$\overrightharpoon{x+y}$	$\overrightharpoon{x+y}$	$x\,\overset{\rightharpoonup}{+}\,y$	\overrightharpoon	combining right harpoon above
U+020D6	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$x\,\overset{\leftarrow}{+}\,y$	\overleftarrow$^{(p)}$	combining left arrow above
U+020D7	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$x\,\overset{\rightarrow}{+}\,y$	\overrightarrow$^{(p)}$	combining left arrow above
U+020E1	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$x\,\overset{\leftrightarrow}{+}\,y$	\overleftrightarrow	combining left right arrow above

9 Bottom accents, \mathbotaccent

USV	M	C	G	K	L	N	F	Macro	Description
U+020E8	x	x	x	x	x	x	x	\threeunderdot	combining triple underdot

10 Bottom accents wide, \mathbotaccentwide

USV	M	C	G	K	L	N	F	Macro	Description
U+0330	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	\wideutilde	under tilde accent (multiple characters and non-spacing)
U+0332	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	\mathunderbar	combining low line
U+034D	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$		$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$		\underleftrightarrow	underleftrightarrow accent
U+020EC	$\underrightharpoondown{x+y}$		$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	\underrightharpoondown	combining rightwards harpoon with barb downwards
U+020ED	$\underleftharpoondown{x+y}$		$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	\underleftharpoondown	combining leftwards harpoon with barb downwards
U+020EE	$\underleftarrow{x+y}$		$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	\underleftarrow	combining left arrow below
U+020EF	$\underrightarrow{x+y}$		$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	\underrightarrow	combining right arrow below

11 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	C	G	K	L	N	F	Macro	Description
U+02140	$\sum_0^1$	$\sum_0^1$		$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	\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	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	\iint	double integral operator
U+0222D	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	\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	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	\oiint	double contour integral operator
U+02230	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	\oiiint	triple contour integral operator
U+02231	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$		\intclockwise	clockwise integral
U+02232	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$		\varointclockwise	contour integral, clockwise
U+02233	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$		\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 and operator
U+022C1	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$		\bigvee[(p)]	logical or 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	$\bowtie_0^1$	$\bowtie_0^1$	$\bowtie_0^1$		$\bowtie_0^1$	$\bowtie_0^1$		\leftouterjoin	left outer join
U+027D6	$\bowtie_0^1$	$\bowtie_0^1$	$\bowtie_0^1$		$\bowtie_0^1$	$\bowtie_0^1$		\rightouterjoin	right outer join

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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
U+02AFF								\bigtalloblong	n-ary white vertical bar
U+1EEF0								\arabicmaj	arabic mathematical operator meem with hah with tatweel

USV	M	C	G	K	L	N	F	Macro	Description
U+1EEF1	ح					ح		`\arabichad`	arabic mathematical operator hah with dal

12 Binary relations, `\mathbin`

USV	M	C	G	K	L	N	F	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	∖	∖	∖	∖	∖	∖		`\setminus`[p]	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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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+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
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

USV	M	C	G	K	L	N	F	Macro	Description
U+029D7	⧗	⧗	⧗		⧗	⧗		\blackhourglass	black hourglass
U+029E2	⧢	⧢	⧢		⧢	⧢		\shuffle	shuffle product
U+029EB	⧫	⧫	⧫	⧫	⧫	⧫		\mdlgblklozenge	black lozenge
U+029F5	⧵	⧵	⧵	⧵	⧵	⧵		\reversesolidus	reverse solidus
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

USV	M	C	G	K	L	N	F	Macro	Description
U+2A37	⊗	⊗	⊗		⊗	⊗		\Otimes	multiplication sign in double circle
U+2A38	⊘	⊘	⊘		⊘	⊘		\odiv	circled division sign
U+2A39	△	△	△		△	△		\triangleplus	plus sign in triangle
U+2A3A	△	△	△		△	△		\triangleminus	minus sign in triangle
U+2A3B	△	△	△		△	△		\triangletimes	multiplication sign in triangle
U+2A3C	⨼	⨼	⨼		⨼	⨼		\intprod	interior product
U+2A3D	⨽	⨽	⨽		⨽	⨽		\intprodr	righthand interior product
U+2A3E	⨾	⨾			⨾	⨾		\fcmp	z notation relational composition
U+2A3F	⨿	⨿	⨿	⨿	⨿	⨿		\amalg(p)	amalgamation or coproduct
U+2A40	⩀	⩀	⩀		⩀	⩀		\capdot	intersection with dot
U+2A41	⩁	⩁	⩁		⩁	⩁		\uminus	union with minus sign
U+2A42	⩂	⩂	⩂		⩂	⩂		\barcup	union with overbar
U+2A43	⩃	⩃	⩃		⩃	⩃		\barcap	intersection with overbar
U+2A44	⩄	⩄	⩄		⩄	⩄		\capwedge	intersection with logical and
U+2A45	⩅	⩅	⩅		⩅	⩅		\cupvee	union with logical or
U+2A46	⩆	⩆	⩆		⩆	⩆		\cupovercap	union above intersection
U+2A47	⩇	⩇	⩇		⩇	⩇		\capovercup	intersection above union
U+2A48	⩈	⩈	⩈		⩈	⩈		\cupbarcap	union above bar above intersection
U+2A49	⩉	⩉	⩉		⩉	⩉		\capbarcup	intersection above bar above union
U+2A4A	⩊	⩊	⩊		⩊	⩊		\twocups	union beside and joined with union
U+2A4B	⩋	⩋	⩋		⩋	⩋		\twocaps	intersection beside and joined with intersection
U+2A4C	⩌	⩌	⩌		⩌	⩌		\closedvarcup	closed union with serifs
U+2A4D	⩍	⩍	⩍		⩍	⩍		\closedvarcap	closed intersection with serifs
U+2A4E	⩎	⩎	⩎		⩎	⩎		\Sqcap	double square intersection
U+2A4F	⩏	⩏	⩏		⩏	⩏		\Sqcup	double square union
U+2A50	⩐	⩐	⩐		⩐	⩐		\closedvarcupsmashprod	closed union with serifs and smash product
U+2A51	⩑	⩑	⩑		⩑	⩑		\wedgeodot	logical and with dot above
U+2A52	⩒	⩒	⩒		⩒	⩒		\veeodot	logical or with dot above
U+2A53	⩓	⩓	⩓		⩓	⩓		\Wedge	double logical and
U+2A54	⩔	⩔	⩔		⩔	⩔		\Vee	double logical or
U+2A55	⩕	⩕	⩕		⩕	⩕		\wedgeonwedge	two intersecting logical and
U+2A56	⩖	⩖	⩖		⩖	⩖		\veeonvee	two intersecting logical or

USV	M	C	G	K	L	N	F	Macro	Description
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 under-bar
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

13   Ordinary symbols, \mathord

USV	M	C	G	K	L	N	F	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+000A7	§	§	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	¬	¬	\neg[p]	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	¶	¶	\mathparagraph	paragraph symbol
U+001B5	Ƶ	Ƶ		Ƶ	Ƶ	Ƶ		\Zbar	impedance (latin capital letter z with stroke)
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 super-scripted
U+02033	″	″	″	″	″	″	″	\dprime	double prime or second, not superscripted
U+02034	‴	‴	‴	‴	‴	‴	‴	\trprime	triple prime (not superscripted)
U+02035	‵		‵	‵	‵	‵	‵	\backprime[a]	reverse prime, not super-scripted
U+02036	‶		‶	‶	‶	‶	‶	\backdprime	double reverse prime, not su-perscripted
U+02037	‷		‷	‷	‷	‷	‷	\backtrprime	triple reverse prime, not super-scripted
U+02038	‸				‸	‸		\caretinsert	caret (insertion mark)
U+0203C	‼	‼	‼		‼	‼		\Exclam	double exclamation mark
U+02043	⁃				⁃	⁃		\hyphenbullet	rectangle, filled (hyphen bullet)

USV	M	C	G	K	L	N	F	Macro	Description
U+02047	??				??	??		\Question	double question mark
U+02057	⁗	⁗	⁗	⁗	⁗	⁗	⁗	\qprime	quadruple prime, not super-scripted
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	h	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132	Ⅎ	Ⅎ	Ⅎ	Ⅎ	Ⅎ	Ⅎ		\Finv[a]	turned capital f
U+0213C	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		\mitBbbD	double-struck italic capital d
U+02146	ⅆ	ⅆ				ⅆ		\mitBbbd	double-struck italic small d
U+02147	ⅇ	ⅇ				ⅇ		\mitBbbe	double-struck italic small e
U+02148	ⅈ	ⅈ				ⅈ		\mitBbbi	double-struck italic small i
U+02149	ⅉ	ⅉ				ⅉ		\mitBbbj	double-struck italic small j
U+0214A	ℊ	ℊ			ℊ	ℊ		\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

USV	M	C	G	K	L	N	F	Macro	Description
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+0221A	√	√	√	√	√	√	√	\surd[p]	radical
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	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\unicodecdots	three dots, centered
U+02300	⌀	⌀	⌀		⌀	⌀		\diameter	diameter sign
U+02302	⌂	⌂			⌂	⌂	⌂	\house	house
U+02310	⌐	⌐	⌐	⌐	⌐	⌐	⌐	\invnot	reverse not

USV	M	C	G	K	L	N	F	Macro	Description
U+02311	▫	▫			▫	▫		\sqlozenge	square lozenge
U+02312	⌒	⌒			⌒	⌒		\profline	profile of a line
U+02313	⌓	⌓			⌓	⌓		\profsurf	profile of a surface
U+02317	♯	♯			♯	♯		\viewdata	viewdata square
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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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								\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
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)

USV	M	C	G	K	L	N	F	Macro	Description
U+025B0	▰				▰	▰		\parallelogramblack	black parallelogram
U+025B1	▱				▱	▱		\parallelogram	parallelogram, open
U+025B2	▲		▲	▲	▲	▲	▲	\bigblacktriangleup	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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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)
U+0266A	♪		♪	♪	♪	♪	♪	\eighthnote	eighth note
U+0266B	♫				♫	♫	♫	\twonotes	beamed eighth notes
U+0266D	♭		♭	♭	♭	♭		\flat[p]	musical flat

USV	M	C	G	K	L	N	F	Macro	Description
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+027CB	╱		╱	╱	╱	╱		\diagup[a]	mathematical rising diagonal
U+027CD	╲		╲	╲	╲	╲		\diagdown[a]	mathematical falling diagonal
U+027D0	◇	◇	◇	◇	◇	◇		\diamondcdot	white diamond with centred dot
U+0292B	╳	╳	╳		╳	╳		\rdiagovfdiag	rising diagonal crossing falling diagonal

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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

USV	M	C	G	K	L	N	F	Macro	Description
U+029E7	ǂ	ǂ	ǂ		ǂ	ǂ		\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
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		⊥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

USV	M	C	G	K	L	N	F	Macro	Description
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
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		\Bbbzero	mathematical double-struck digit 0
U+1D7D9	𝟙	𝟙			𝟙	𝟙		\Bbbone	mathematical double-struck digit 1
U+1D7DA	𝟚	𝟚			𝟚	𝟚		\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	𝟛	𝟛			𝟛	𝟛		\Bbbthree	mathematical double-struck digit 3

USV	M	C	G	K	L	N	F	Macro	Description
U+1D7DC	4	4			4	4		\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5			5	5		\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6			6	6		\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7			7	7		\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8			8	8		\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9			9	9		\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0		0	0	0		\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1		1	1	1		\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2		2	2	2		\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3		3	3	3		\msansthree	mathematical sans-serif digit 3
U+1D7E6	4	4		4	4	4		\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5		5	5	5		\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6		6	6	6		\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7		7	7	7		\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8		8	8	8		\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9		9	9	9		\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0		0	0	0		\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1		1	1	1		\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2		2	2	2		\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3		3	3	3		\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4		4	4	4		\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5		5	5	5		\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6		6	6	6		\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7		7	7	7		\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8		8	8	8		\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	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

USV	M	C	G	K	L	N	F	Macro	Description
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

14 Relation symbols, `\mathrel`

USV	M	C	G	K	L	N	F	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

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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
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

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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:

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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+02243	≃	≃	≃	≃	≃	≃	≃	\sime	similar, equals (alias)
U+02244	≄	≄	≄	≄	≄	≄	≄	\nsimeq	not similar, equals (alias)
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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

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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

USV	M	C	G	K	L	N	F	Macro	Description
U+022AD								\nvDash[a]	not vertical, double dash
U+022AE								\nVdash[a]	not double vertical, dash
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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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
U+02945								\rightarrowplus	rightwards arrow with plus below
U+02946								\leftarrowplus	leftwards arrow with plus below

USV	M	C	G	K	L	N	F	Macro	Description
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

USV	M	C	G	K	L	N	F	Macro	Description
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
U+02972	⥲	⥲	⥲		⥲	⥲		\similarrightarrow	tilde operator above rightwards arrow
U+02973	⥳	⥳	⥳		⥳	⥳		\leftarrowsimilar	leftwards arrow above tilde operator

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USV	M	C	G	K	L	N	F	Macro	Description
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+02982	⦂	⦂	⦂		⦂	⦂		\typecolon	z notation type colon
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

USV	M	C	G	K	L	N	F	Macro	Description
U+2A69	⩩	⩩	⩩		⩩	⩩		`\equivVvert`	triple horizontal bar with triple vertical stroke
U+2A6A	⩪	⩪	⩪		⩪	⩪		`\dotsim`	tilde operator with dot above
U+2A6B	⩫	⩫	⩫		⩫	⩫		`\simrdots`	tilde operator with rising dots
U+2A6C	⩬	⩬	⩬		⩬	⩬		`\simminussim`	similar minus similar
U+2A6D	⩭	⩭	⩭		⩭	⩭		`\congdot`	congruent with dot above
U+2A6E	⩮	⩮	⩮		⩮	⩮		`\asteq`	equals with asterisk
U+2A6F	⩯	⩯	⩯		⩯	⩯		`\hatapprox`	almost equal to with circumflex accent
U+2A70	⩰	⩰	⩰		⩰	⩰		`\approxeqq`	approximately equal or equal to
U+2A73	⩳	⩳	⩳		⩳	⩳		`\eqqsim`	equals sign above tilde operator
U+2A74	⩴	⩴	⩴	⩴	⩴	⩴		`\Coloneq`	double colon equal
U+2A75	⩵	⩵	⩵		⩵	⩵		`\eqeq`	two consecutive equals signs
U+2A76	⩶	⩶	⩶		⩶	⩶		`\eqeqeq`	three consecutive equals signs
U+2A77	⩷	⩷	⩷		⩷	⩷		`\ddotseq`	equals sign with two dots above and two dots below
U+2A78	⩸	⩸	⩸		⩸	⩸		`\equivDD`	equivalent with four dots above
U+2A79	⩹	⩹	⩹		⩹	⩹		`\ltcir`	less-than with circle inside
U+2A7A	⩺	⩺	⩺		⩺	⩺		`\gtcir`	greater-than with circle inside
U+2A7B	⩻	⩻	⩻		⩻	⩻		`\ltquest`	less-than with question mark above
U+2A7C	⩼	⩼	⩼		⩼	⩼		`\gtquest`	greater-than with question mark above
U+2A7D	⩽	⩽	⩽	⩽	⩽	⩽	⩽	`\leqslant`[a]	less-than or slanted equal to
U+2A7E	⩾	⩾	⩾	⩾	⩾	⩾	⩾	`\geqslant`[a]	greater-than or slanted equal to
U+2A7F	⩿	⩿	⩿		⩿	⩿		`\lesdot`	less-than or slanted equal to with dot inside
U+2A80	⪀	⪀	⪀		⪀	⪀		`\gesdot`	greater-than or slanted equal to with dot inside
U+2A81	⪁	⪁	⪁		⪁	⪁		`\lesdoto`	less-than or slanted equal to with dot above
U+2A82	⪂	⪂	⪂		⪂	⪂		`\gesdoto`	greater-than or slanted equal to with dot above
U+2A83	⪃	⪃	⪃		⪃	⪃		`\lesdotor`	less-than or slanted equal to with dot above right
U+2A84	⪄	⪄	⪄		⪄	⪄		`\gesdotol`	greater-than or slanted equal to with dot above left
U+2A85	⪅	⪅	⪅	⪅	⪅	⪅		`\lessapprox`[a]	less-than or approximate
U+2A86	⪆	⪆	⪆	⪆	⪆	⪆		`\gtrapprox`[a]	greater-than or approximate
U+2A87	⪇	⪇	⪇	⪇	⪇	⪇		`\lneq`[a]	less-than and single-line not equal to

USV	M	C	G	K	L	N	F	Macro	Description
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

USV	M	C	G	K	L	N	F	Macro	Description
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
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

USV	M	C	G	K	L	N	F	Macro	Description
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
U+02ADE	⊣	⊣	⊣		⊣	⊣		\shortlefttack	short left tack
U+02ADF	⊤	⊤	⊤		⊤	⊤		\shortdowntack	short down tack

USV	M	C	G	K	L	N	F	Macro	Description
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	⋘	⋘	⋘		⋘	⋘		\llllnest	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

USV	M	C	G	K	L	N	F	Macro	Description
U+2B38								`\leftdotarrow`	leftwards arrow with dotted stem
U+2B39								`\nvleftarrowtail`	leftwards arrow with tail with vertical stroke
U+2B3A								`\nVleftarrowtail`	leftwards arrow with tail with double vertical stroke
U+2B3B								`\twoheadleftarrowtail`	leftwards two-headed arrow with tail
U+2B3C								`\nvtwoheadleftarrowtail`	leftwards two-headed arrow with tail with vertical stroke
U+2B3D								`\nVtwoheadleftarrowtail`	leftwards two-headed arrow with tail with double vertical stroke
U+2B3E								`\leftarrowx`	leftwards arrow through x
U+2B3F								`\leftcurvedarrow`	wave arrow pointing directly left
U+2B40								`\equalleftarrow`	equals sign above leftwards arrow
U+2B41								`\bsimilarleftarrow`	reverse tilde operator above leftwards arrow
U+2B42								`\leftarrowbackapprox`	leftwards arrow above reverse almost equal to
U+2B43								`\rightarrowgtr`	rightwards arrow through greater-than
U+2B44								`\rightarrowsupset`	rightwards arrow through subset
U+2B45								`\LLeftarrow`	leftwards quadruple arrow
U+2B46								`\RRightarrow`	rightwards quadruple arrow
U+2B47								`\bsimilarrightarrow`	reverse tilde operator above rightwards arrow
U+2B48								`\rightarrowbackapprox`	rightwards arrow above reverse almost equal to
U+2B49								`\similarleftarrow`	tilde operator above leftwards arrow
U+2B4A								`\leftarrowapprox`	leftwards arrow above almost equal to
U+2B4B								`\leftarrowbsimilar`	leftwards arrow above reverse tilde operator
U+2B4C								`\rightarrowbsimilar`	righttwards arrow above reverse tilde operator

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+00391	A	A	A	A	A	A	A	\mupAlpha	capital alpha, greek
U+00392	B	B	B	B	B	B	B	\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	E	E	E	E	E	E	E	\mupEpsilon	capital epsilon, greek
U+00396	Z	Z	Z	Z	Z	Z	Z	\mupZeta	capital zeta, greek
U+00397	H	H	H	H	H	H	H	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	I	I	I	I	I	I	I	\mupIota	capital iota, greek
U+0039A	K	K	K	K	K	K	K	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	M	M	M	M	M	M	M	\mupMu	capital mu, greek
U+0039D	N	N	N	N	N	N	N	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	O	O	O	O	O	O	O	\mupOmicron	capital omicron, greek
U+003A0	Π	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	P	P	P	P	P	P	P	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	T	T	T	T	T	T	T	\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	X	X	X	X	X	X	X	\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

15.1.2 Upright Greek, lowercase

USV	M	C	G	K	L	N	F	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

USV	M	C	G	K	L	N	F	Macro	Description
U+03B3	γ	γ	γ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+03B4	δ	δ	δ	δ	δ	δ	δ	\mupdelta	small delta, greek
U+03B5	ε	ε	ε	ε	ε	ε	ε	\mupvarepsilon	rounded small varepsilon, greek
U+03B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
U+03B7	η	η	η	η	η	η	η	\mupeta	small eta, greek
U+03B8	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
U+03B9	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+03BA	κ	κ	κ	κ	κ	κ	κ	\mupkappa	small kappa, greek
U+03BB	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+03BC	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+03BD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek
U+03BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+03BF	ο	ο	ο	ο	ο	ο	ο	\mupomicron	small omicron, greek
U+03C0	π	π	π	π	π	π	π	\muppi	small pi, greek
U+03C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+03C2	ς	ς	ς	ς	ς	ς	ς	\mupvarsigma	terminal sigma, greek
U+03C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+03C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+03C5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+03C6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+03C7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+03C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+03C9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+03D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvartheta	/vartheta - curly or open theta
U+03D5	φ	φ	φ	φ	φ	φ	φ	\mupphi	/straightphi - small phi, greek
U+03D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mupvarpi	rounded small pi (pomega), greek
U+03DC	Ϝ	Ϝ	Ϝ	Ϝ	Ϝ	Ϝ		\upDigamma	capital digamma
U+03DD	ϝ	ϝ			ϝ	ϝ		\updigamma	old greek small letter digamma
U+03F0	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	\mupvarkappa	rounded small kappa, greek
U+03F1	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	\mupvarrho	rounded small rho, greek
U+03F4	Θ		Θ	Θ	Θ	Θ	Θ	\mupvarTheta	greek capital theta symbol
U+03F5	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mupepsilon	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D434	A	A	A	A	A	A	A	\mitA	mathematical italic capital a
U+1D435	B	B	B	B	B	B	B	\mitB	mathematical italic capital b
U+1D436	C	C	C	C	C	C	C	\mitC	mathematical italic capital c
U+1D437	D	D	D	D	D	D	D	\mitD	mathematical italic capital d
U+1D438	E	E	E	E	E	E	E	\mitE	mathematical italic capital e
U+1D439	F	F	F	F	F	F	F	\mitF	mathematical italic capital f
U+1D43A	G	G	G	G	G	G	G	\mitG	mathematical italic capital g
U+1D43B	H	H	H	H	H	H	H	\mitH	mathematical italic capital h
U+1D43C	I	I	I	I	I	I	I	\mitI	mathematical italic capital i
U+1D43D	J	J	J	J	J	J	J	\mitJ	mathematical italic capital j
U+1D43E	K	K	K	K	K	K	K	\mitK	mathematical italic capital k
U+1D43F	L	L	L	L	L	L	L	\mitL	mathematical italic capital l
U+1D440	M	M	M	M	M	M	M	\mitM	mathematical italic capital m
U+1D441	N	N	N	N	N	N	N	\mitN	mathematical italic capital n
U+1D442	O	O	O	O	O	O	O	\mitO	mathematical italic capital o
U+1D443	P	P	P	P	P	P	P	\mitP	mathematical italic capital p
U+1D444	Q	Q	Q	Q	Q	Q	Q	\mitQ	mathematical italic capital q
U+1D445	R	R	R	R	R	R	R	\mitR	mathematical italic capital r
U+1D446	S	S	S	S	S	S	S	\mitS	mathematical italic capital s
U+1D447	T	T	T	T	T	T	T	\mitT	mathematical italic capital t
U+1D448	U	U	U	U	U	U	U	\mitU	mathematical italic capital u
U+1D449	V	V	V	V	V	V	V	\mitV	mathematical italic capital v
U+1D44A	W	W	W	W	W	W	W	\mitW	mathematical italic capital w
U+1D44B	X	X	X	X	X	X	X	\mitX	mathematical italic capital x
U+1D44C	Y	Y	Y	Y	Y	Y	Y	\mitY	mathematical italic capital y
U+1D44D	Z	Z	Z	Z	Z	Z	Z	\mitZ	mathematical italic capital z

15.1.4 Italic, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D44E	a	a	a	a	a	a	a	\mita	mathematical italic small a
U+1D44F	b	b	b	b	b	b	b	\mitb	mathematical italic small b

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

15.1.5 Italic Greek, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D6E2	*A*	*A*	*A*	*A*	*A*	*A*	*A*	\mitAlpha	mathematical italic capital alpha
U+1D6E3	*B*	*B*	*B*	*B*	*B*	*B*	*B*	\mitBeta	mathematical italic capital beta
U+1D6E4	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	\mitGamma	mathematical italic capital gamma
U+1D6E5	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	\mitDelta	mathematical italic capital delta
U+1D6E6	*E*	*E*	*E*	*E*	*E*	*E*	*E*	\mitEpsilon	mathematical italic capital epsilon
U+1D6E7	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	\mitZeta	mathematical italic capital zeta

USV	M	C	G	K	L	N	F	Macro	Description
U+1D6E8	*H*	*H*	*H*	*H*	*H*	*H*	*H*	\mitEta	mathematical italic capital eta
U+1D6E9	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	\mitTheta	mathematical italic capital theta
U+1D6EA	*I*	*I*	*I*	*I*	*I*	*I*	*I*	\mitIota	mathematical italic capital iota
U+1D6EB	*K*	*K*	*K*	*K*	*K*	*K*	*K*	\mitKappa	mathematical italic capital kappa
U+1D6EC	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	\mitLambda	mathematical italic capital lambda
U+1D6ED	*M*	*M*	*M*	*M*	*M*	*M*	*M*	\mitMu	mathematical italic capital mu
U+1D6EE	*N*	*N*	*N*	*N*	*N*	*N*	*N*	\mitNu	mathematical italic capital nu
U+1D6EF	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	\mitXi	mathematical italic capital xi
U+1D6F0	*O*	*O*	*O*	*O*	*O*	*O*	*O*	\mitOmicron	mathematical italic capital omicron
U+1D6F1	*Π*	*Π*	*Π*	*Π*	*Π*	*Π*	*Π*	\mitPi	mathematical italic capital pi
U+1D6F2	*P*	*P*	*P*	*P*	*P*	*P*	*P*	\mitRho	mathematical italic capital rho
U+1D6F3	*Θ*	*θ*	*Θ*	*Θ*	*Θ*	*Θ*	*θ*	\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	\mitSigma	mathematical italic capital sigma
U+1D6F5	*T*	*T*	*T*	*T*	*T*	*T*	*T*	\mitTau	mathematical italic capital tau
U+1D6F6	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	\mitPhi	mathematical italic capital phi
U+1D6F8	*X*	*X*	*X*	*X*	*X*	*X*	*X*	\mitChi	mathematical italic capital chi
U+1D6F9	*Ψ*	*Ψ*	*Ψ*	*ψ*	*Ψ*	*Ψ*	*Ψ*	\mitPsi	mathematical italic capital psi
U+1D6FA	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	\mitOmega	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D6FC	*α*	*α*	*α*	*α*	*α*	*α*	*α*	\mitalpha	mathematical italic small alpha
U+1D6FD	*β*	*β*	*β*	*β*	*β*	*β*	*β*	\mitbeta	mathematical italic small beta
U+1D6FE	*γ*	*γ*	*γ*	*γ*	*γ*	*γ*	*γ*	\mitgamma	mathematical italic small gamma
U+1D6FF	*δ*	*δ*	*δ*	*δ*	*δ*	*δ*	*δ*	\mitdelta	mathematical italic small delta
U+1D700	*ε*	*ε*	*ε*	*ε*	*ε*	*ε*	*ε*	\mitvarepsilon	mathematical italic small varepsilon
U+1D701	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	\mitzeta	mathematical italic small zeta
U+1D702	*η*	*η*	*η*	*η*	*η*	*η*	*η*	\miteta	mathematical italic small eta

USV	M	C	G	K	L	N	F	Macro	Description
U+1D703	θ	θ	θ	θ	θ	θ	θ	\mittheta	mathematical italic small theta
U+1D704	ι	ι	ι	ι	ι	ι	ι	\mitiota	mathematical italic small iota
U+1D705	κ	κ	κ	κ	κ	κ	κ	\mitkappa	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ	λ	\mitlambda	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ	μ	\mitmu	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν	ν	\mitnu	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mitxi	mathematical italic small xi
U+1D70A	o	o	o	o	o	o	o	\mitomicron	mathematical italic small omicron
U+1D70B	π	π	π	π	π	π	π	\mitpi	mathematical italic small pi
U+1D70C	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mitrho	mathematical italic small rho
U+1D70D	ς	ς	ς	ς	ς	ς	ς	\mitvarsigma	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ	σ	\mitsigma	mathematical italic small sigma
U+1D70F	τ	τ	τ	τ	τ	τ	τ	\mittau	mathematical italic small tau
U+1D710	υ	υ	υ	υ	υ	υ	υ	\mitupsilon	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	φ	φ	φ	\mitvarphi	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ	χ	\mitchi	mathematical italic small chi
U+1D713	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mitpsi	mathematical italic small psi
U+1D714	ω	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	ϵ	\mitepsilon	mathematical italic varepsilon symbol
U+1D717	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mitvartheta	mathematical italic theta symbol
U+1D718	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	\mitvarkappa	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mitphi	mathematical italic phi symbol
U+1D71A	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	\mitvarrho	mathematical italic rho symbol
U+1D71B	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mitvarpi	mathematical italic pi symbol

15.1.7 Script, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D49C	𝒜	𝒜	𝒜	𝒜	𝒜	𝒜		\mscrA	mathematical script capital a
U+1D49E	𝒞	𝒞	𝒞	𝒞	𝒞	𝒞		\mscrC	mathematical script capital c

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

15.1.8 Script, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D4B6	𝒶	𝒶				𝒶		\mscra	mathematical script small a
U+1D4B7	𝒷	𝒷				𝒷		\mscrb	mathematical script small b
U+1D4B8	𝒸	𝒸				𝒸		\mscrc	mathematical script small c
U+1D4B9	𝒹	𝒹				𝒹		\mscrd	mathematical script small d
U+1D4BB	𝒻	𝒻				𝒻		\mscrf	mathematical script small f
U+1D4BD	𝒽	𝒽				𝒽		\mscrh	mathematical script small h
U+1D4BE	𝒾	𝒾				𝒾		\mscri	mathematical script small i
U+1D4BF	𝒿	𝒿				𝒿		\mscrj	mathematical script small j
U+1D4C0	𝓀	𝓀				𝓀		\mscrk	mathematical script small k
U+1D4C1	𝓁	𝓁				𝓁		\mscrl	mathematical script small l
U+1D4C2	𝓂	𝓂				𝓂		\mscrm	mathematical script small m
U+1D4C3	𝓃	𝓃				𝓃		\mscrn	mathematical script small n
U+1D4C5	𝓅	𝓅				𝓅		\mscrp	mathematical script small p
U+1D4C6	𝓆	𝓆				𝓆		\mscrq	mathematical script small q

USV	M	C	G	K	L	N	F	Macro	Description
U+1D4C7	𝓇	𝓇				𝓇		\mscrr	mathematical script small r
U+1D4C8	𝓈	𝓈				𝓈		\mscrs	mathematical script small s
U+1D4C9	𝓉	𝓉				𝓉		\mscrt	mathematical script small t
U+1D4CA	𝓊	𝓊				𝓊		\mscru	mathematical script small u
U+1D4CB	𝓋	𝓋				𝓋		\mscrv	mathematical script small v
U+1D4CC	𝓌	𝓌				𝓌		\mscrw	mathematical script small w
U+1D4CD	𝓍	𝓍				𝓍		\mscrx	mathematical script small x
U+1D4CE	𝓎	𝓎				𝓎		\mscry	mathematical script small y
U+1D4CF	𝓏	𝓏				𝓏		\mscrz	mathematical script small z

15.1.9 Fraktur, Latin, uppercase

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

15.1.10 Fraktur, Latin, lowercase

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

15.1.11 Blackboard, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D538	𝔸	𝔸	𝔸	𝔸	𝔸	𝔸	𝔸	\BbbA	mathematical double-struck capital a
U+1D539	𝔹	𝔹	𝔹	𝔹	𝔹	𝔹	𝔹	\BbbB	mathematical double-struck capital b
U+1D53B	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻	\BbbD	mathematical double-struck capital d
U+1D53C	𝔼	𝔼	𝔼	𝔼	𝔼	𝔼	𝔼	\BbbE	mathematical double-struck capital e
U+1D53D	𝔽	𝔽	𝔽	𝔽	𝔽	𝔽	𝔽	\BbbF	mathematical double-struck capital f
U+1D53E	𝔾	𝔾	𝔾	𝔾	𝔾	𝔾	𝔾	\BbbG	mathematical double-struck capital g
U+1D540	𝕀	𝕀	𝕀	𝕀	𝕀	𝕀	𝕀	\BbbI	mathematical double-struck capital i
U+1D541	𝕁	𝕁	𝕁	𝕁	𝕁	𝕁	𝕁	\BbbJ	mathematical double-struck capital j
U+1D542	𝕂	𝕂	𝕂	𝕂	𝕂	𝕂	𝕂	\BbbK	mathematical double-struck capital k
U+1D543	𝕃	𝕃	𝕃	𝕃	𝕃	𝕃	𝕃	\BbbL	mathematical double-struck capital l
U+1D544	𝕄	𝕄	𝕄	𝕄	𝕄	𝕄	𝕄	\BbbM	mathematical double-struck capital m
U+1D546	𝕆	𝕆	𝕆	𝕆	𝕆	𝕆	𝕆	\BbbO	mathematical double-struck capital o
U+1D54A	𝕊	𝕊	𝕊	𝕊	𝕊	𝕊	𝕊	\BbbS	mathematical double-struck capital s
U+1D54B	𝕋	𝕋	𝕋	𝕋	𝕋	𝕋	𝕋	\BbbT	mathematical double-struck capital t
U+1D54C	𝕌	𝕌	𝕌	𝕌	𝕌	𝕌	𝕌	\BbbU	mathematical double-struck capital u
U+1D54D	𝕍	𝕍	𝕍	𝕍	𝕍	𝕍	𝕍	\BbbV	mathematical double-struck capital v
U+1D54E	𝕎	𝕎	𝕎	𝕎	𝕎	𝕎	𝕎	\BbbW	mathematical double-struck capital w
U+1D54F	𝕏	𝕏	𝕏	𝕏	𝕏	𝕏	𝕏	\BbbX	mathematical double-struck capital x
U+1D550	𝕐	𝕐	𝕐	𝕐	𝕐	𝕐	𝕐	\BbbY	mathematical double-struck capital y

15.1.12 Blackboard, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D552	𝕒	𝕒			𝕒	𝕒	𝕒	\Bbba	mathematical double-struck small a
U+1D553	𝕓	𝕓			𝕓	𝕓	𝕓	\Bbbb	mathematical double-struck small b
U+1D554	𝕔	𝕔			𝕔	𝕔	𝕔	\Bbbc	mathematical double-struck small c

USV	M	C	G	K	L	N	F	Macro	Description
U+1D555	d	d			d	d	d	\Bbbd	mathematical double-struck small d
U+1D556	e	e			e	e	e	\Bbbe	mathematical double-struck small e
U+1D557	f	f			f	f	f	\Bbbf	mathematical double-struck small f
U+1D558	g	g			g	g	g	\Bbbg	mathematical double-struck small g
U+1D559	h	h			h	h	h	\Bbbh	mathematical double-struck small h
U+1D55A	i	i			i	i	i	\Bbbi	mathematical double-struck small i
U+1D55B	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	\Bbbl	mathematical double-struck small l
U+1D55E	m	m			m	m	m	\Bbbm	mathematical double-struck small m
U+1D55F	n	n			n	n	n	\Bbbn	mathematical double-struck small n
U+1D560	o	o			o	o	o	\Bbbo	mathematical double-struck small o
U+1D561	p	p			p	p	p	\Bbbp	mathematical double-struck small p
U+1D562	q	q			q	q	q	\Bbbq	mathematical double-struck small q
U+1D563	r	r			r	r	r	\Bbbr	mathematical double-struck small r
U+1D564	s	s			s	s	s	\Bbbs	mathematical double-struck small s
U+1D565	t	t			t	t	t	\Bbbt	mathematical double-struck small t
U+1D566	u	u			u	u	u	\Bbbu	mathematical double-struck small u
U+1D567	v	v			v	v	v	\Bbbv	mathematical double-struck small v
U+1D568	w	w			w	w	w	\Bbbw	mathematical double-struck small w
U+1D569	x	x			x	x	x	\Bbbx	mathematical double-struck small x
U+1D56A	y	y			y	y	y	\Bbby	mathematical double-struck small y
U+1D56B	z	z			z	z	z	\Bbbz	mathematical double-struck small z

15.1.13 Sans serif, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D5A0	A	A		A	A	A		\msansA	mathematical sans-serif capital a
U+1D5A1	B	B		B	B	B		\msansB	mathematical sans-serif capital b
U+1D5A2	C	C		C	C	C		\msansC	mathematical sans-serif capital c
U+1D5A3	D	D		D	D	D		\msansD	mathematical sans-serif capital d
U+1D5A4	E	E		E	E	E		\msansE	mathematical sans-serif capital e
U+1D5A5	F	F		F	F	F		\msansF	mathematical sans-serif capital f
U+1D5A6	G	G		G	G	G		\msansG	mathematical sans-serif capital g
U+1D5A7	H	H		H	H	H		\msansH	mathematical sans-serif capital h
U+1D5A8	I	I		I	I	I		\msansI	mathematical sans-serif capital i
U+1D5A9	J	J		J	J	J		\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K		K	K	K		\msansK	mathematical sans-serif capital k
U+1D5AB	L	L		L	L	L		\msansL	mathematical sans-serif capital l
U+1D5AC	M	M		M	M	M		\msansM	mathematical sans-serif capital m
U+1D5AD	N	N		N	N	N		\msansN	mathematical sans-serif capital n
U+1D5AE	O	O		O	O	O		\msansO	mathematical sans-serif capital o
U+1D5AF	P	P		P	P	P		\msansP	mathematical sans-serif capital p
U+1D5B0	Q	Q		Q	Q	Q		\msansQ	mathematical sans-serif capital q
U+1D5B1	R	R		R	R	R		\msansR	mathematical sans-serif capital r
U+1D5B2	S	S		S	S	S		\msansS	mathematical sans-serif capital s
U+1D5B3	T	T		T	T	T		\msansT	mathematical sans-serif capital t
U+1D5B4	U	U		U	U	U		\msansU	mathematical sans-serif capital u
U+1D5B5	V	V		V	V	V		\msansV	mathematical sans-serif capital v
U+1D5B6	W	W		W	W	W		\msansW	mathematical sans-serif capital w
U+1D5B7	X	X		X	X	X		\msansX	mathematical sans-serif capital x
U+1D5B8	Y	Y		Y	Y	Y		\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z		Z	Z	Z		\msansZ	mathematical sans-serif capital z

15.1.14 Sans serif, Latin, lowercase

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

15.1.15 Italic sans serif, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D608	A	A		A	A	A		\mitsansA	mathematical sans-serif italic capital a

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

15.1.16 Italic sans serif, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D622	*a*	*a*		*a*	*a*	*a*		\mitsansa	mathematical sans-serif italic small a
U+1D623	*b*	*b*		*b*	*b*	*b*		\mitsansb	mathematical sans-serif italic small b
U+1D624	*c*	*c*		*c*	*c*	*c*		\mitsansc	mathematical sans-serif italic small c
U+1D625	*d*	*d*		*d*	*d*	*d*		\mitsansd	mathematical sans-serif italic small d
U+1D626	*e*	*e*		*e*	*e*	*e*		\mitsanse	mathematical sans-serif italic small e
U+1D627	*f*	*f*		*f*	*f*	*f*		\mitsansf	mathematical sans-serif italic small f
U+1D628	*g*	*g*		*g*	*g*	*g*		\mitsansg	mathematical sans-serif italic small g
U+1D629	*h*	*h*		*h*	*h*	*h*		\mitsansh	mathematical sans-serif italic small h
U+1D62A	*i*	*i*		*i*	*i*	*i*		\mitsansi	mathematical sans-serif italic small i
U+1D62B	*j*	*j*		*j*	*j*	*j*		\mitsansj	mathematical sans-serif italic small j
U+1D62C	*k*	*k*		*k*	*k*	*k*		\mitsansk	mathematical sans-serif italic small k
U+1D62D	*l*	*l*		*l*	*l*	*l*		\mitsansl	mathematical sans-serif italic small l
U+1D62E	*m*	*m*		*m*	*m*	*m*		\mitsansm	mathematical sans-serif italic small m
U+1D62F	*n*	*n*		*n*	*n*	*n*		\mitsansn	mathematical sans-serif italic small n
U+1D630	*o*	*o*		*o*	*o*	*o*		\mitsanso	mathematical sans-serif italic small o
U+1D631	*p*	*p*		*p*	*p*	*p*		\mitsansp	mathematical sans-serif italic small p
U+1D632	*q*	*q*		*q*	*q*	*q*		\mitsansq	mathematical sans-serif italic small q
U+1D633	*r*	*r*		*r*	*r*	*r*		\mitsansr	mathematical sans-serif italic small r
U+1D634	*s*	*s*		*s*	*s*	*s*		\mitsanss	mathematical sans-serif italic small s
U+1D635	*t*	*t*		*t*	*t*	*t*		\mitsanst	mathematical sans-serif italic small t
U+1D636	*u*	*u*		*u*	*u*	*u*		\mitsansu	mathematical sans-serif italic small u
U+1D637	*v*	*v*		*v*	*v*	*v*		\mitsansv	mathematical sans-serif italic small v
U+1D638	*w*	*w*		*w*	*w*	*w*		\mitsansw	mathematical sans-serif italic small w
U+1D639	*x*	*x*		*x*	*x*	*x*		\mitsansx	mathematical sans-serif italic small x

USV	M	C	G	K	L	N	F	Macro	Description
U+1D63A	*y*	*y*		*y*	*y*	*y*		\mitsansy	mathematical sans-serif italic small y
U+1D63B	*z*	*z*		*z*	*z*	*z*		\mitsansz	mathematical sans-serif italic small z

15.1.17 Typewriter, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D670	A	A		A	A	A	A	\mttA	mathematical monospace capital a
U+1D671	B	B		B	B	B	B	\mttB	mathematical monospace capital b
U+1D672	C	C		C	C	C	C	\mttC	mathematical monospace capital c
U+1D673	D	D		D	D	D	D	\mttD	mathematical monospace capital d
U+1D674	E	E		E	E	E	E	\mttE	mathematical monospace capital e
U+1D675	F	F		F	F	F	F	\mttF	mathematical monospace capital f
U+1D676	G	G		G	G	G	G	\mttG	mathematical monospace capital g
U+1D677	H	H		H	H	H	H	\mttH	mathematical monospace capital h
U+1D678	I	I		I	I	I	I	\mttI	mathematical monospace capital i
U+1D679	J	J		J	J	J	J	\mttJ	mathematical monospace capital j
U+1D67A	K	K		K	K	K	K	\mttK	mathematical monospace capital k
U+1D67B	L	L		L	L	L	L	\mttL	mathematical monospace capital l
U+1D67C	M	M		M	M	M	M	\mttM	mathematical monospace capital m
U+1D67D	N	N		N	N	N	N	\mttN	mathematical monospace capital n
U+1D67E	O	O		O	O	O	O	\mttO	mathematical monospace capital o
U+1D67F	P	P		P	P	P	P	\mttP	mathematical monospace capital p
U+1D680	Q	Q		Q	Q	Q	Q	\mttQ	mathematical monospace capital q
U+1D681	R	R		R	R	R	R	\mttR	mathematical monospace capital r
U+1D682	S	S		S	S	S	S	\mttS	mathematical monospace capital s

USV	M	C	G	K	L	N	F	Macro	Description
U+1D683	T	T		T	T	T	T	\mttT	mathematical monospace capital t
U+1D684	U	U		U	U	U	U	\mttU	mathematical monospace capital u
U+1D685	V	V		V	V	V	V	\mttV	mathematical monospace capital v
U+1D686	W	W		W	W	W	W	\mttW	mathematical monospace capital w
U+1D687	X	X		X	X	X	X	\mttX	mathematical monospace capital x
U+1D688	Y	Y		Y	Y	Y	Y	\mttY	mathematical monospace capital y
U+1D689	Z	Z		Z	Z	Z	Z	\mttZ	mathematical monospace capital z

15.1.18 Typewriter, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D68A	a	a		a	a	a	a	\mtta	mathematical monospace small a
U+1D68B	b	b		b	b	b	b	\mttb	mathematical monospace small b
U+1D68C	c	c		c	c	c	c	\mttc	mathematical monospace small c
U+1D68D	d	d		d	d	d	d	\mttd	mathematical monospace small d
U+1D68E	e	e		e	e	e	e	\mtte	mathematical monospace small e
U+1D68F	f	f		f	f	f	f	\mttf	mathematical monospace small f
U+1D690	g	g		g	g	g	g	\mttg	mathematical monospace small g
U+1D691	h	h		h	h	h	h	\mtth	mathematical monospace small h
U+1D692	i	i		i	i	i	i	\mtti	mathematical monospace small i
U+1D693	j	j		j	j	j	j	\mttj	mathematical monospace small j
U+1D694	k	k		k	k	k	k	\mttk	mathematical monospace small k
U+1D695	l	l		l	l	l	l	\mttl	mathematical monospace small l
U+1D696	m	m		m	m	m	m	\mttm	mathematical monospace small m
U+1D697	n	n		n	n	n	n	\mttn	mathematical monospace small n

USV	M	C	G	K	L	N	F	Macro	Description
U+1D698	o	o		o	o	o	o	\mtto	mathematical monospace small o
U+1D699	p	p		p	p	p	p	\mttp	mathematical monospace small p
U+1D69A	q	q		q	q	q	q	\mttq	mathematical monospace small q
U+1D69B	r	r		r	r	r	r	\mttr	mathematical monospace small r
U+1D69C	s	s		s	s	s	s	\mtts	mathematical monospace small s
U+1D69D	t	t		t	t	t	t	\mttt	mathematical monospace small t
U+1D69E	u	u		u	u	u	u	\mttu	mathematical monospace small u
U+1D69F	v	v		v	v	v	v	\mttv	mathematical monospace small v
U+1D6A0	w	w		w	w	w	w	\mttw	mathematical monospace small w
U+1D6A1	x	x		x	x	x	x	\mttx	mathematical monospace small x
U+1D6A2	y	y		y	y	y	y	\mtty	mathematical monospace small y
U+1D6A3	z	z		z	z	z	z	\mttz	mathematical monospace small z

15.2   Bold

15.2.1   Bold, Latin, uppercase

USV	M	C	G	K	L	N	F	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	C	G	K	L	N	F	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

15.2.2 Bold, Latin, lowercase

USV	M	C	G	K	L	N	F	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

USV	M	C	G	K	L	N	F	Macro	Description
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

15.2.3 Bold Greek, uppercase

USV	M	C	G	K	L	N	F	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	Ƶ	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	θ	\mbfvarTheta	mathematical bold capital theta symbol

USV	M	C	G	K	L	N	F	Macro	Description
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\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	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\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

15.2.4 Bold Greek, lowercase

USV	M	C	G	K	L	N	F	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	\mbfvarepsilon	mathematical bold small varepsilon
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	ο	ο	ο	ο	ο	ο	ο	\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	ς	\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	σ	σ	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau

USV	M	C	G	K	L	N	F	Macro	Description
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	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	ϰ	ϰ	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	ϱ	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D468	A	A	A	A	A	A	A	\mbfitA	mathematical bold italic capital a
U+1D469	B	B	B	B	B	B	B	\mbfitB	mathematical bold italic capital b
U+1D46A	C	C	C	C	C	C	C	\mbfitC	mathematical bold italic capital c
U+1D46B	D	D	D	D	D	D	D	\mbfitD	mathematical bold italic capital d
U+1D46C	E	E	E	E	E	E	E	\mbfitE	mathematical bold italic capital e
U+1D46D	F	F	F	F	F	F	F	\mbfitF	mathematical bold italic capital f
U+1D46E	G	G	G	G	G	G	G	\mbfitG	mathematical bold italic capital g
U+1D46F	H	H	H	H	H	H	H	\mbfitH	mathematical bold italic capital h
U+1D470	I	I	I	I	I	I	I	\mbfitI	mathematical bold italic capital i
U+1D471	J	J	J	J	J	J	J	\mbfitJ	mathematical bold italic capital j
U+1D472	K	K	K	K	K	K	K	\mbfitK	mathematical bold italic capital k

USV	M	C	G	K	L	N	F	Macro	Description
U+1D473	*L*	*L*	*L*	*L*	*L*	*L*	*L*	\mbfitL	mathematical bold italic capital l
U+1D474	*M*	*M*	*M*	*M*	*M*	*M*	*M*	\mbfitM	mathematical bold italic capital m
U+1D475	*N*	*N*	*N*	*N*	*N*	*N*	*N*	\mbfitN	mathematical bold italic capital n
U+1D476	*O*	*O*	*O*	*O*	*O*	*O*	*O*	\mbfitO	mathematical bold italic capital o
U+1D477	*P*	*P*	*P*	*P*	*P*	*P*	*P*	\mbfitP	mathematical bold italic capital p
U+1D478	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	\mbfitQ	mathematical bold italic capital q
U+1D479	*R*	*R*	*R*	*R*	*R*	*R*	*R*	\mbfitR	mathematical bold italic capital r
U+1D47A	*S*	*S*	*S*	*S*	*S*	*S*	*S*	\mbfitS	mathematical bold italic capital s
U+1D47B	*T*	*T*	*T*	*T*	*T*	*T*	*T*	\mbfitT	mathematical bold italic capital t
U+1D47C	*U*	*U*	*U*	*U*	*U*	*U*	*U*	\mbfitU	mathematical bold italic capital u
U+1D47D	*V*	*V*	*V*	*V*	*V*	*V*	*V*	\mbfitV	mathematical bold italic capital v
U+1D47E	*W*	*W*	*W*	*W*	*W*	*W*	*W*	\mbfitW	mathematical bold italic capital w
U+1D47F	*X*	*X*	*X*	*X*	*X*	*X*	*X*	\mbfitX	mathematical bold italic capital x
U+1D480	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	\mbfitY	mathematical bold italic capital y
U+1D481	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	\mbfitZ	mathematical bold italic capital z

15.2.6 Bold italic, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D482	*a*	*a*	*a*	*a*	*a*	*a*	*a*	\mbfita	mathematical bold italic small a
U+1D483	*b*	*b*	*b*	*b*	*b*	*b*	*b*	\mbfitb	mathematical bold italic small b
U+1D484	*c*	*c*	*c*	*c*	*c*	*c*	*c*	\mbfitc	mathematical bold italic small c
U+1D485	*d*	*d*	*d*	*d*	*d*	*d*	*d*	\mbfitd	mathematical bold italic small d
U+1D486	*e*	*e*	*e*	*e*	*e*	*e*	*e*	\mbfite	mathematical bold italic small e
U+1D487	*f*	*f*	*f*	*f*	*f*	*f*	*f*	\mbfitf	mathematical bold italic small f
U+1D488	*g*	*g*	*g*	*g*	*g*	*g*	*g*	\mbfitg	mathematical bold italic small g
U+1D489	*h*	*h*	*h*	*h*	*h*	*h*	*h*	\mbfith	mathematical bold italic small h
U+1D48A	*i*	*i*	*i*	*i*	*i*	*i*	*i*	\mbfiti	mathematical bold italic small i
U+1D48B	*j*	*j*	*j*	*j*	*j*	*j*	*j*	\mbfitj	mathematical bold italic small j

USV	M	C	G	K	L	N	F	Macro	Description
U+1D48C	*k*	*k*	*k*	*k*	*k*	*k*	*k*	\mbfitk	mathematical bold italic small k
U+1D48D	*l*	*l*	*l*	*l*	*l*	*l*	*l*	\mbfitl	mathematical bold italic small l
U+1D48E	*m*	*m*	*m*	*m*	*m*	*m*	*m*	\mbfitm	mathematical bold italic small m
U+1D48F	*n*	*n*	*n*	*n*	*n*	*n*	*n*	\mbfitn	mathematical bold italic small n
U+1D490	*o*	*o*	*o*	*o*	*o*	*o*	*o*	\mbfito	mathematical bold italic small o
U+1D491	*p*	*p*	*p*	*p*	*p*	*p*	*p*	\mbfitp	mathematical bold italic small p
U+1D492	*q*	*q*	*q*	*q*	*q*	*q*	*q*	\mbfitq	mathematical bold italic small q
U+1D493	*r*	*r*	*r*	*r*	*r*	*r*	*r*	\mbfitr	mathematical bold italic small r
U+1D494	*s*	*s*	*s*	*s*	*s*	*s*	*s*	\mbfits	mathematical bold italic small s
U+1D495	*t*	*t*	*t*	*t*	*t*	*t*	*t*	\mbfitt	mathematical bold italic small t
U+1D496	*u*	*u*	*u*	*u*	*u*	*u*	*u*	\mbfitu	mathematical bold italic small u
U+1D497	*v*	*v*	*v*	*v*	*v*	*v*	*v*	\mbfitv	mathematical bold italic small v
U+1D498	*w*	*w*	*w*	*w*	*w*	*w*	*w*	\mbfitw	mathematical bold italic small w
U+1D499	*x*	*x*	*x*	*x*	*x*	*x*	*x*	\mbfitx	mathematical bold italic small x
U+1D49A	*y*	*y*	*y*	*y*	*y*	*y*	*y*	\mbfity	mathematical bold italic small y
U+1D49B	*z*	*z*	*z*	*z*	*z*	*z*	*z*	\mbfitz	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D71C	*A*	*A*	*A*	*A*	*A*	*A*	*A*	\mbfitAlpha	mathematical bold italic capital alpha
U+1D71D	*B*	*B*	*B*	*B*	*B*	*B*	*B*	\mbfitBeta	mathematical bold italic capital beta
U+1D71E	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	*Γ*	\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	*Δ*	\mbfitDelta	mathematical bold italic capital delta
U+1D720	*E*	*E*	*E*	*E*	*E*	*E*	*E*	\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D721	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	\mbfitZeta	mathematical bold italic capital zeta
U+1D722	*H*	*H*	*H*	*H*	*H*	*H*	*H*	\mbfitEta	mathematical bold italic capital eta
U+1D723	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	*Θ*	\mbfitTheta	mathematical bold italic capital theta
U+1D724	*I*	*I*	*I*	*I*	*I*	*I*	*I*	\mbfitIota	mathematical bold italic capital iota

USV	M	C	G	K	L	N	F	Macro	Description
U+1D725	*K*	*K*	*K*	*K*	*K*	*K*	*K*	\mbfitKappa	mathematical bold italic capital kappa
U+1D726	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	*Λ*	\mbfitLambda	mathematical bold italic capital lambda
U+1D727	*M*	*M*	*M*	*M*	*M*	*M*	*M*	\mbfitMu	mathematical bold italic capital mu
U+1D728	*N*	*N*	*N*	*N*	*N*	*N*	*N*	\mbfitNu	mathematical bold italic capital nu
U+1D729	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	*Ξ*	\mbfitXi	mathematical bold italic capital xi
U+1D72A	*O*	*O*	*O*	*O*	*O*	*O*	*O*	\mbfitOmicron	mathematical bold italic capital omicron
U+1D72B	*Π*	*Π*	*Π*	*Π*	*Π*	*Π*	*Π*	\mbfitPi	mathematical bold italic capital pi
U+1D72C	*P*	*P*	*P*	*P*	*P*	*P*	*P*	\mbfitRho	mathematical bold italic capital rho
U+1D72D	*Θ*	*θ*	*θ*	*Θ*	*Θ*	*Θ*	*θ*	\mbfitvarTheta	mathematical bold italic capital theta symbol
U+1D72E	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	*Σ*	\mbfitSigma	mathematical bold italic capital sigma
U+1D72F	*T*	*T*	*T*	*T*	*T*	*T*	*T*	\mbfitTau	mathematical bold italic capital tau
U+1D730	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	*Υ*	\mbfitUpsilon	mathematical bold italic capital upsilon
U+1D731	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	*Φ*	\mbfitPhi	mathematical bold italic capital phi
U+1D732	*X*	*X*	*X*	*X*	*X*	*X*	*X*	\mbfitChi	mathematical bold italic capital chi
U+1D733	*Ψ*	*Ψ*	*Ψ*	*ψ*	*Ψ*	*Ψ*	*Ψ*	\mbfitPsi	mathematical bold italic capital psi
U+1D734	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	*Ω*	\mbfitOmega	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D736	*α*	*α*	*α*	*α*	*α*	*α*	*α*	\mbfitalpha	mathematical bold italic small alpha
U+1D737	*β*	*β*	*β*	*β*	*β*	*β*	*β*	\mbfitbeta	mathematical bold italic small beta
U+1D738	*γ*	*γ*	*γ*	*γ*	*γ*	*γ*	*γ*	\mbfitgamma	mathematical bold italic small gamma
U+1D739	*δ*	*δ*	*δ*	*δ*	*δ*	*δ*	*δ*	\mbfitdelta	mathematical bold italic small delta
U+1D73A	*ε*	*ε*	*ε*	*ε*	*ε*	*ε*	*ε*	\mbfitvarepsilon	mathematical bold italic small varepsilon
U+1D73B	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	*ζ*	\mbfitzeta	mathematical bold italic small zeta

USV	M	C	G	K	L	N	F	Macro	Description
U+1D73C	η	η	η	η	η	η	η	\mbfiteta	mathematical bold italic small eta
U+1D73D	θ	θ	θ	θ	θ	θ	θ	\mbfittheta	mathematical bold italic small theta
U+1D73E	ι	ι	ι	ι	ι	ι	ι	\mbfitiota	mathematical bold italic small iota
U+1D73F	κ	κ	κ	κ	κ	κ	κ	\mbfitkappa	mathematical bold italic small kappa
U+1D740	λ	λ	λ	λ	λ	λ	λ	\mbfitlambda	mathematical bold italic small lambda
U+1D741	μ	μ	μ	μ	μ	μ	μ	\mbfitmu	mathematical bold italic small mu
U+1D742	ν	ν	ν	ν	ν	ν	ν	\mbfitnu	mathematical bold italic small nu
U+1D743	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfitxi	mathematical bold italic small xi
U+1D744	o	o	o	o	o	o	o	\mbfitomicron	mathematical bold italic small omicron
U+1D745	π	π	π	π	π	π	π	\mbfitpi	mathematical bold italic small pi
U+1D746	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfitrho	mathematical bold italic small rho
U+1D747	ς	ς	ς	ς	ς	ς	ς	\mbfitvarsigma	mathematical bold italic small final sigma
U+1D748	σ	σ	σ	σ	σ	σ	σ	\mbfitsigma	mathematical bold italic small sigma
U+1D749	τ	τ	τ	τ	τ	τ	τ	\mbfittau	mathematical bold italic small tau
U+1D74A	υ	υ	υ	υ	υ	υ	υ	\mbfitupsilon	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ	φ	\mbfitvarphi	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	χ	χ	χ	\mbfitchi	mathematical bold italic small chi
U+1D74D	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfitpsi	mathematical bold italic small psi
U+1D74E	ω	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	ε	\mbfitepsilon	mathematical bold italic varepsilon symbol
U+1D751	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mbfitphi	mathematical bold italic phi symbol
U+1D754	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mbfitvarpi	mathematical bold italic pi symbol

15.2.9 Bold script, Latin, uppercase

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

USV	M	C	G	K	L	N	F	Macro	Description
U+1D4E6	𝒲	𝒲		𝒲	𝒲	𝒲		\mbfscrW	mathematical bold script capital w
U+1D4E7	𝒳	𝒳		𝒳	𝒳	𝒳		\mbfscrX	mathematical bold script capital x
U+1D4E8	𝒴	𝒴		𝒴	𝒴	𝒴		\mbfscrY	mathematical bold script capital y
U+1D4E9	𝒵	𝒵		𝒵	𝒵	𝒵		\mbfscrZ	mathematical bold script capital z

15.2.10 Bold script, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D4EA	𝒶	𝒶				𝒶		\mbfscra	mathematical bold script small a
U+1D4EB	𝒷	𝒷				𝒷		\mbfscrb	mathematical bold script small b
U+1D4EC	𝒸	𝒸				𝒸		\mbfscrc	mathematical bold script small c
U+1D4ED	𝒹	𝒹				𝒹		\mbfscrd	mathematical bold script small d
U+1D4EE	𝑒	𝑒				𝑒		\mbfscre	mathematical bold script small e
U+1D4EF	𝒻	𝒻				𝒻		\mbfscrf	mathematical bold script small f
U+1D4F0	𝑔	𝑔				𝑔		\mbfscrg	mathematical bold script small g
U+1D4F1	𝒽	𝒽				𝒽		\mbfscrh	mathematical bold script small h
U+1D4F2	𝒾	𝒾				𝒾		\mbfscri	mathematical bold script small i
U+1D4F3	𝒿	𝒿				𝒿		\mbfscrj	mathematical bold script small j
U+1D4F4	𝓀	𝓀				𝓀		\mbfscrk	mathematical bold script small k
U+1D4F5	𝓁	𝓁				𝓁		\mbfscrl	mathematical bold script small l
U+1D4F6	𝓂	𝓂				𝓂		\mbfscrm	mathematical bold script small m
U+1D4F7	𝓃	𝓃				𝓃		\mbfscrn	mathematical bold script small n
U+1D4F8	𝑜	𝑜				𝑜		\mbfscro	mathematical bold script small o
U+1D4F9	𝓅	𝓅				𝓅		\mbfscrp	mathematical bold script small p
U+1D4FA	𝓆	𝓆				𝓆		\mbfscrq	mathematical bold script small q
U+1D4FB	𝓇	𝓇				𝓇		\mbfscrr	mathematical bold script small r
U+1D4FC	𝓈	𝓈				𝓈		\mbfscrs	mathematical bold script small s

USV	M	C	G	K	L	N	F	Macro	Description
U+1D4FD	𝓉	𝓉				𝓉		\mbfscrt	mathematical bold script small t
U+1D4FE	𝓊	𝓊				𝓊		\mbfscru	mathematical bold script small u
U+1D4FF	𝓋	𝓋				𝓋		\mbfscrv	mathematical bold script small v
U+1D500	𝓌	𝓌				𝓌		\mbfscrw	mathematical bold script small w
U+1D501	𝓍	𝓍				𝓍		\mbfscrx	mathematical bold script small x
U+1D502	𝓎	𝓎				𝓎		\mbfscry	mathematical bold script small y
U+1D503	𝓏	𝓏				𝓏		\mbfscrz	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D56C	𝔄	𝔄		𝔄	𝔄	𝔄		\mbffrakA	mathematical bold fraktur capital a
U+1D56D	𝔅	𝔅		𝔅	𝔅	𝔅		\mbffrakB	mathematical bold fraktur capital b
U+1D56E	𝔆	𝔆		𝔆	𝔆	𝔆		\mbffrakC	mathematical bold fraktur capital c
U+1D56F	𝔇	𝔇		𝔇	𝔇	𝔇		\mbffrakD	mathematical bold fraktur capital d
U+1D570	𝔈	𝔈		𝔈	𝔈	𝔈		\mbffrakE	mathematical bold fraktur capital e
U+1D571	𝔉	𝔉		𝔉	𝔉	𝔉		\mbffrakF	mathematical bold fraktur capital f
U+1D572	𝔊	𝔊		𝔊	𝔊	𝔊		\mbffrakG	mathematical bold fraktur capital g
U+1D573	𝔥	𝔥		𝔥	𝔥	𝔥		\mbffrakH	mathematical bold fraktur capital h
U+1D574	𝔍	𝔍		𝔍	𝔍	𝔍		\mbffrakI	mathematical bold fraktur capital i
U+1D575	𝔍	𝔍		𝔍	𝔍	𝔍		\mbffrakJ	mathematical bold fraktur capital j
U+1D576	𝔎	𝔎		𝔎	𝔎	𝔎		\mbffrakK	mathematical bold fraktur capital k
U+1D577	𝔏	𝔏		𝔏	𝔏	𝔏		\mbffrakL	mathematical bold fraktur capital l
U+1D578	𝔐	𝔐		𝔐	𝔐	𝔐		\mbffrakM	mathematical bold fraktur capital m
U+1D579	𝔑	𝔑		𝔑	𝔑	𝔑		\mbffrakN	mathematical bold fraktur capital n
U+1D57A	𝔒	𝔒		𝔒	𝔒	𝔒		\mbffrakO	mathematical bold fraktur capital o

USV	M	C	G	K	L	N	F	Macro	Description
U+1D57B	𝕻	𝕻		𝕻	𝕻	𝕻		\mbffrakP	mathematical bold fraktur capital p
U+1D57C	𝕼	𝕼		𝕼	𝕼	𝕼		\mbffrakQ	mathematical bold fraktur capital q
U+1D57D	𝕽	𝕽		𝕽	𝕽	𝕽		\mbffrakR	mathematical bold fraktur capital r
U+1D57E	𝕾	𝕾		𝕾	𝕾	𝕾		\mbffrakS	mathematical bold fraktur capital s
U+1D57F	𝕿	𝕿		𝕿	𝕿	𝕿		\mbffrakT	mathematical bold fraktur capital t
U+1D580	𝖀	𝖀		𝖀	𝖀	𝖀		\mbffrakU	mathematical bold fraktur capital u
U+1D581	𝖁	𝖁		𝖁	𝖁	𝖁		\mbffrakV	mathematical bold fraktur capital v
U+1D582	𝖂	𝖂		𝖂	𝖂	𝖂		\mbffrakW	mathematical bold fraktur capital w
U+1D583	𝖃	𝖃		𝖃	𝖃	𝖃		\mbffrakX	mathematical bold fraktur capital x
U+1D584	𝖄	𝖄		𝖄	𝖄	𝖄		\mbffrakY	mathematical bold fraktur capital y
U+1D585	𝖅	𝖅		𝖅	𝖅	𝖅		\mbffrakZ	mathematical bold fraktur capital z

15.2.12 Bold fraktur, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D586	𝖆	𝖆		𝖆	𝖆	𝖆		\mbffraka	mathematical bold fraktur small a
U+1D587	𝖇	𝖇		𝖇	𝖇	𝖇		\mbffrakb	mathematical bold fraktur small b
U+1D588	𝖈	𝖈		𝖈	𝖈	𝖈		\mbffrakc	mathematical bold fraktur small c
U+1D589	𝖉	𝖉		𝖉	𝖉	𝖉		\mbffrakd	mathematical bold fraktur small d
U+1D58A	𝖊	𝖊		𝖊	𝖊	𝖊		\mbffrake	mathematical bold fraktur small e
U+1D58B	𝖋	𝖋		𝖋	𝖋	𝖋		\mbffrakf	mathematical bold fraktur small f
U+1D58C	𝖌	𝖌		𝖌	𝖌	𝖌		\mbffrakg	mathematical bold fraktur small g
U+1D58D	𝖍	𝖍		𝖍	𝖍	𝖍		\mbffrakh	mathematical bold fraktur small h
U+1D58E	𝖎	𝖎		𝖎	𝖎	𝖎		\mbffraki	mathematical bold fraktur small i
U+1D58F	𝖏	𝖏		𝖏	𝖏	𝖏		\mbffrakj	mathematical bold fraktur small j
U+1D590	𝖐	𝖐		𝖐	𝖐	𝖐		\mbffrakk	mathematical bold fraktur small k
U+1D591	𝖑	𝖑		𝖑	𝖑	𝖑		\mbffrakl	mathematical bold fraktur small l

USV	M	C	G	K	L	N	F	Macro	Description
U+1D592	𝔪	𝔪		𝔪	𝔪	𝔪		\mbffrakm	mathematical bold fraktur small m
U+1D593	𝔫	𝔫		𝔫	𝔫	𝔫		\mbffrakn	mathematical bold fraktur small n
U+1D594	𝔬	𝔬		𝔬	𝔬	𝔬		\mbffrako	mathematical bold fraktur small o
U+1D595	𝔭	𝔭		𝔭	𝔭	𝔭		\mbffrakp	mathematical bold fraktur small p
U+1D596	𝔮	𝔮		𝔮	𝔮	𝔮		\mbffrakq	mathematical bold fraktur small q
U+1D597	𝔯	𝔯		𝔯	𝔯	𝔯		\mbffrakr	mathematical bold fraktur small r
U+1D598	𝔰	𝔰		𝔰	𝔰	𝔰		\mbffraks	mathematical bold fraktur small s
U+1D599	𝔱	𝔱		𝔱	𝔱	𝔱		\mbffrakt	mathematical bold fraktur small t
U+1D59A	𝔲	𝔲		𝔲	𝔲	𝔲		\mbffraku	mathematical bold fraktur small u
U+1D59B	𝔳	𝔳		𝔳	𝔳	𝔳		\mbffrakv	mathematical bold fraktur small v
U+1D59C	𝔴	𝔴		𝔴	𝔴	𝔴		\mbffrakw	mathematical bold fraktur small w
U+1D59D	𝔵	𝔵		𝔵	𝔵	𝔵		\mbffrakx	mathematical bold fraktur small x
U+1D59E	𝔶	𝔶		𝔶	𝔶	𝔶		\mbffraky	mathematical bold fraktur small y
U+1D59F	𝔷	𝔷		𝔷	𝔷	𝔷		\mbffrakz	mathematical bold fraktur small z

15.2.13 Bold sans serif, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D5D4	A	A		A	A	A		\mbfsansA	mathematical sans-serif bold capital a
U+1D5D5	B	B		B	B	B		\mbfsansB	mathematical sans-serif bold capital b
U+1D5D6	C	C		C	C	C		\mbfsansC	mathematical sans-serif bold capital c
U+1D5D7	D	D		D	D	D		\mbfsansD	mathematical sans-serif bold capital d
U+1D5D8	E	E		E	E	E		\mbfsansE	mathematical sans-serif bold capital e
U+1D5D9	F	F		F	F	F		\mbfsansF	mathematical sans-serif bold capital f
U+1D5DA	G	G		G	G	G		\mbfsansG	mathematical sans-serif bold capital g
U+1D5DB	H	H		H	H	H		\mbfsansH	mathematical sans-serif bold capital h
U+1D5DC	I	I		I	I	I		\mbfsansI	mathematical sans-serif bold capital i

USV	M	C	G	K	L	N	F	Macro	Description
U+1D5DD	J	J		J	J	J		\mbfsansJ	mathematical sans-serif bold capital j
U+1D5DE	K	K		K	K	K		\mbfsansK	mathematical sans-serif bold capital k
U+1D5DF	L	L		L	L	L		\mbfsansL	mathematical sans-serif bold capital l
U+1D5E0	M	M		M	M	M		\mbfsansM	mathematical sans-serif bold capital m
U+1D5E1	N	N		N	N	N		\mbfsansN	mathematical sans-serif bold capital n
U+1D5E2	O	O		O	O	O		\mbfsansO	mathematical sans-serif bold capital o
U+1D5E3	P	P		P	P	P		\mbfsansP	mathematical sans-serif bold capital p
U+1D5E4	Q	Q		Q	Q	Q		\mbfsansQ	mathematical sans-serif bold capital q
U+1D5E5	R	R		R	R	R		\mbfsansR	mathematical sans-serif bold capital r
U+1D5E6	S	S		S	S	S		\mbfsansS	mathematical sans-serif bold capital s
U+1D5E7	T	T		T	T	T		\mbfsansT	mathematical sans-serif bold capital t
U+1D5E8	U	U		U	U	U		\mbfsansU	mathematical sans-serif bold capital u
U+1D5E9	V	V		V	V	V		\mbfsansV	mathematical sans-serif bold capital v
U+1D5EA	W	W		W	W	W		\mbfsansW	mathematical sans-serif bold capital w
U+1D5EB	X	X		X	X	X		\mbfsansX	mathematical sans-serif bold capital x
U+1D5EC	Y	Y		Y	Y	Y		\mbfsansY	mathematical sans-serif bold capital y
U+1D5ED	Z	Z		Z	Z	Z		\mbfsansZ	mathematical sans-serif bold capital z

15.2.14 Bold sans serif, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D5EE	a	a		a	a	a		\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b		b	b	b		\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	c	c		c	c	c		\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d		d	d	d		\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	e		e	e	e		\mbfsanse	mathematical sans-serif bold small e

USV	M	C	G	K	L	N	F	Macro	Description
U+1D5F3	f	f		f	f	f		\mbfsansf	mathematical sans-serif bold small f
U+1D5F4	g	g		g	g	g		\mbfsansg	mathematical sans-serif bold small g
U+1D5F5	h	h		h	h	h		\mbfsansh	mathematical sans-serif bold small h
U+1D5F6	i	i		i	i	i		\mbfsansi	mathematical sans-serif bold small i
U+1D5F7	j	j		j	j	j		\mbfsansj	mathematical sans-serif bold small j
U+1D5F8	k	k		k	k	k		\mbfsansk	mathematical sans-serif bold small k
U+1D5F9	l	l		l	l	l		\mbfsansl	mathematical sans-serif bold small l
U+1D5FA	m	m		m	m	m		\mbfsansm	mathematical sans-serif bold small m
U+1D5FB	n	n		n	n	n		\mbfsansn	mathematical sans-serif bold small n
U+1D5FC	o	o		o	o	o		\mbfsanso	mathematical sans-serif bold small o
U+1D5FD	p	p		p	p	p		\mbfsansp	mathematical sans-serif bold small p
U+1D5FE	q	q		q	q	q		\mbfsansq	mathematical sans-serif bold small q
U+1D5FF	r	r		r	r	r		\mbfsansr	mathematical sans-serif bold small r
U+1D600	s	s		s	s	s		\mbfsanss	mathematical sans-serif bold small s
U+1D601	t	t		t	t	t		\mbfsanst	mathematical sans-serif bold small t
U+1D602	u	u		u	u	u		\mbfsansu	mathematical sans-serif bold small u
U+1D603	v	v		v	v	v		\mbfsansv	mathematical sans-serif bold small v
U+1D604	w	w		w	w	w		\mbfsansw	mathematical sans-serif bold small w
U+1D605	x	x		x	x	x		\mbfsansx	mathematical sans-serif bold small x
U+1D606	y	y		y	y	y		\mbfsansy	mathematical sans-serif bold small y
U+1D607	z	z		z	z	z		\mbfsansz	mathematical sans-serif bold small z

15.2.15 Bold italic sans serif, Latin, uppercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D63C	*A*	*A*		*A*	*A*	*A*		\mbfitsansA	mathematical sans-serif bold italic capital a

USV	M	C	G	K	L	N	F	Macro	Description
U+1D63D	*B*	*B*		*B*	*B*	*B*		\mbfitsansB	mathematical sans-serif bold italic capital b
U+1D63E	*C*	*C*		*C*	*C*	*C*		\mbfitsansC	mathematical sans-serif bold italic capital c
U+1D63F	*D*	*D*		*D*	*D*	*D*		\mbfitsansD	mathematical sans-serif bold italic capital d
U+1D640	*E*	*E*		*E*	*E*	*E*		\mbfitsansE	mathematical sans-serif bold italic capital e
U+1D641	*F*	*F*		*F*	*F*	*F*		\mbfitsansF	mathematical sans-serif bold italic capital f
U+1D642	*G*	*G*		*G*	*G*	*G*		\mbfitsansG	mathematical sans-serif bold italic capital g
U+1D643	*H*	*H*		*H*	*H*	*H*		\mbfitsansH	mathematical sans-serif bold italic capital h
U+1D644	*I*	*I*		*I*	*I*	*I*		\mbfitsansI	mathematical sans-serif bold italic capital i
U+1D645	*J*	*J*		*J*	*J*	*J*		\mbfitsansJ	mathematical sans-serif bold italic capital j
U+1D646	*K*	*K*		*K*	*K*	*K*		\mbfitsansK	mathematical sans-serif bold italic capital k
U+1D647	*L*	*L*		*L*	*L*	*L*		\mbfitsansL	mathematical sans-serif bold italic capital l
U+1D648	*M*	*M*		*M*	*M*	*M*		\mbfitsansM	mathematical sans-serif bold italic capital m
U+1D649	*N*	*N*		*N*	*N*	*N*		\mbfitsansN	mathematical sans-serif bold italic capital n
U+1D64A	*O*	*O*		*O*	*O*	*O*		\mbfitsansO	mathematical sans-serif bold italic capital o
U+1D64B	*P*	*P*		*P*	*P*	*P*		\mbfitsansP	mathematical sans-serif bold italic capital p
U+1D64C	*Q*	*Q*		*Q*	*Q*	*Q*		\mbfitsansQ	mathematical sans-serif bold italic capital q
U+1D64D	*R*	*R*		*R*	*R*	*R*		\mbfitsansR	mathematical sans-serif bold italic capital r
U+1D64E	*S*	*S*		*S*	*S*	*S*		\mbfitsansS	mathematical sans-serif bold italic capital s
U+1D64F	*T*	*T*		*T*	*T*	*T*		\mbfitsansT	mathematical sans-serif bold italic capital t
U+1D650	*U*	*U*		*U*	*U*	*U*		\mbfitsansU	mathematical sans-serif bold italic capital u
U+1D651	*V*	*V*		*V*	*V*	*V*		\mbfitsansV	mathematical sans-serif bold italic capital v
U+1D652	*W*	*W*		*W*	*W*	*W*		\mbfitsansW	mathematical sans-serif bold italic capital w
U+1D653	*X*	*X*		*X*	*X*	*X*		\mbfitsansX	mathematical sans-serif bold italic capital x
U+1D654	*Y*	*Y*		*Y*	*Y*	*Y*		\mbfitsansY	mathematical sans-serif bold italic capital y
U+1D655	*Z*	*Z*		*Z*	*Z*	*Z*		\mbfitsansZ	mathematical sans-serif bold italic capital z

15.2.16 Bold italic sans serif, Latin, lowercase

USV	M	C	G	K	L	N	F	Macro	Description
U+1D656	*a*	*a*		*a*	*a*	*a*		\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	*b*	*b*		*b*	*b*	*b*		\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	*c*	*c*		*c*	*c*	*c*		\mbfitsansc	mathematical sans-serif bold italic small c
U+1D659	*d*	*d*		*d*	*d*	*d*		\mbfitsansd	mathematical sans-serif bold italic small d
U+1D65A	*e*	*e*		*e*	*e*	*e*		\mbfitsanse	mathematical sans-serif bold italic small e
U+1D65B	*f*	*f*		*f*	*f*	*f*		\mbfitsansf	mathematical sans-serif bold italic small f
U+1D65C	*g*	*g*		*g*	*g*	*g*		\mbfitsansg	mathematical sans-serif bold italic small g
U+1D65D	*h*	*h*		*h*	*h*	*h*		\mbfitsansh	mathematical sans-serif bold italic small h
U+1D65E	*i*	*i*		*i*	*i*	*i*		\mbfitsansi	mathematical sans-serif bold italic small i
U+1D65F	*j*	*j*		*j*	*j*	*j*		\mbfitsansj	mathematical sans-serif bold italic small j
U+1D660	*k*	*k*		*k*	*k*	*k*		\mbfitsansk	mathematical sans-serif bold italic small k
U+1D661	*l*	*l*		*l*	*l*	*l*		\mbfitsansl	mathematical sans-serif bold italic small l
U+1D662	*m*	*m*		*m*	*m*	*m*		\mbfitsansm	mathematical sans-serif bold italic small m
U+1D663	*n*	*n*		*n*	*n*	*n*		\mbfitsansn	mathematical sans-serif bold italic small n
U+1D664	*o*	*o*		*o*	*o*	*o*		\mbfitsanso	mathematical sans-serif bold italic small o
U+1D665	*p*	*p*		*p*	*p*	*p*		\mbfitsansp	mathematical sans-serif bold italic small p
U+1D666	*q*	*q*		*q*	*q*	*q*		\mbfitsansq	mathematical sans-serif bold italic small q
U+1D667	*r*	*r*		*r*	*r*	*r*		\mbfitsansr	mathematical sans-serif bold italic small r
U+1D668	*s*	*s*		*s*	*s*	*s*		\mbfitsanss	mathematical sans-serif bold italic small s
U+1D669	*t*	*t*		*t*	*t*	*t*		\mbfitsanst	mathematical sans-serif bold italic small t
U+1D66A	*u*	*u*		*u*	*u*	*u*		\mbfitsansu	mathematical sans-serif bold italic small u
U+1D66B	*v*	*v*		*v*	*v*	*v*		\mbfitsansv	mathematical sans-serif bold italic small v
U+1D66C	*w*	*w*		*w*	*w*	*w*		\mbfitsansw	mathematical sans-serif bold italic small w
U+1D66D	*x*	*x*		*x*	*x*	*x*		\mbfitsansx	mathematical sans-serif bold italic small x

USV	M	C	G	K	L	N	F	Macro	Description
U+1D66E	*y*	*y*		*y*	*y*	*y*		\mbfitsansy	mathematical sans-serif bold italic small y
U+1D66F	*z*	*z*		*z*	*z*	*z*		\mbfitsansz	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

USV	M	C	G	K	L	N	F	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	Θ		Ρ	Ρ	Ρ		\mbfsansRho	mathematical sans-serif bold capital rho
U+1D767	Θ	Ρ		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

USV	M	C	G	K	L	N	F	Macro	Description
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

15.2.18 Bold sans serif Greek, lowercase

USV	M	C	G	K	L	N	F	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		`\mbfsansvarepsilon`	mathematical sans-serif bold small varepsilon
U+1D775	ζ	ζ		ζ	ζ	ζ		`\mbfsanszeta`	mathematical sans-serif bold small zeta
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

USV	M	C	G	K	L	N	F	Macro	Description
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		\mbfsansvarphi	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		\mbfsansepsilon	mathematical sans-serif bold varepsilon 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		\mbfsansphi	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	ϖ		\mbfsansvarpi	mathematical sans-serif bold pi symbol

15.2.19 Bold italic sans serif Greek, uppercase

USV	M	C	G	K	L	N	F	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

USV	M	C	G	K	L	N	F	Macro	Description
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*	*θ*		*P*	*P*	*P*		\mbfitsansRho	mathematical sans-serif bold italic capital rho
U+1D7A1	*Θ*	*P*		*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

15.2.20 Bold italic sans serif Greek, lowercase

USV	M	C	G	K	L	N	F	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

USV	M	C	G	K	L	N	F	Macro	Description
U+1D7AE	ε	ε		ε	ε	ε		`\mbfitsansvarepsilon`	mathematical sans-serif bold italic small varepsilon
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		`\mbfitsansvarphi`	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		`\mbfitsansepsilon`	mathematical sans-serif bold italic varepsilon 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		`\mbfitsansphi`	mathematical sans-serif bold italic phi symbol

USV	M	C	G	K	L	N	F	Macro	Description
U+1D7C8	ϱ	ϱ		ρ	ϱ	ϱ		`\mbfitsansvarrho`	mathematical sans-serif bold italic rho symbol
U+1D7C9	ϖ	ϖ		ϖ	ϖ	ϖ		`\mbfitsansvarpi`	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

USV	M	C	G	K	L	N	F	Macro	Description
U+000F0	ð	ð	ð	ð	ð	ð	ð	`\matheth`	eth
U+02010	-	-	—	-	-	-	-	`\mathhyphen`	hyphen
U+02102	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ	`\BbbC`	/bbb c, open face c
U+0210A	𝒢	𝒢			𝑔	𝑔	g	`\mscrg`	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ		`\mscrH`	hamiltonian (script capital h)
U+0210C	ℌ	ℌ	ℌ	ℌ	ℌ	ℌ		`\mfrakH`	/frak h, upper case h
U+0210D	ℍ	ℍ	ℍ	ℍ	ℍ	ℍ	ℍ	`\BbbH`	/bbb h, open face h
U+0210F	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	`\hslash`[a]	/hslash - variant planck's over 2pi
U+02110	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ		`\mscrI`	/scr i, script letter i
U+02111	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ		`\Im`[p]	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ		`\mscrL`	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	`\ell`[p]	cursive small l
U+02115	ℕ	ℕ	ℕ	ℕ	ℕ	ℕ	ℕ	`\BbbN`	/bbb n, open face n
U+02118	℘	℘	℘	℘	℘	℘		`\wp`[p]	weierstrass p
U+02119	ℙ	ℙ	ℙ	ℙ	ℙ	ℙ	ℙ	`\BbbP`	/bbb p, open face p
U+0211A	ℚ	ℚ	ℚ	ℚ	ℚ	ℚ	ℚ	`\BbbQ`	/bbb q, open face q
U+0211B	ℛ	ℛ	ℛ	ℛ	ℛ	ℛ		`\mscrR`	/scr r, script letter r
U+0211C	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ		`\Re`[p]	real part
U+0211D	ℝ	ℝ	ℝ	ℝ	ℝ	ℝ	ℝ	`\BbbR`	/bbb r, open face r
U+02124	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	`\BbbZ`	/bbb z, open face z
U+02128	ℨ	ℨ	ℨ	ℨ	ℨ	ℨ		`\mfrakZ`	/frak z, upper case z
U+02129	℩	℩	℩		℩	℩		`\turnediota`	turned iota
U+0212B	Å	Å	Å	Å	Å	Å	Å	`\Angstrom`	angstrom capital a, ring
U+0212C	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ		`\mscrB`	bernoulli function (script capital b)
U+0212D	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ		`\mfrakC`	black-letter capital c
U+0212F	ℯ	ℯ			ℯ	ℯ		`\mscre`	/scr e, script letter e

USV	M	C	G	K	L	N	F	Macro	Description
U+02130	𝓔	𝓔	𝓔	𝓔	𝓔	𝓔		\mscrE	/scr e, script letter e
U+02131	𝓕	𝓕	𝓕	𝓕	𝓕	𝓕		\mscrF	/scr f, script letter f
U+02133	𝓜	𝓜	𝓜	𝓜	𝓜	𝓜		\mscrM	physics m-matrix (script capital m)
U+02134	𝓸	𝓸			𝓸	𝓸		\mscro	order of (script small o)
U+02135	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	\aleph$^{(p)}$	aleph, hebrew
U+02136	ℶ	ℶ	ℶ	ℶ	ℶ	ℶ	ℶ	\beth$^{(a)}$	beth, hebrew
U+02137	ℷ	ℷ	ℷ	ℷ	ℷ	ℷ	ℷ	\gimel$^{(a)}$	gimel, hebrew
U+02138	ℸ	ℸ	ℸ	ℸ	ℸ	ℸ	ℸ	\daleth$^{(a)}$	daleth, hebrew
U+0213D	𝛾	𝛾				𝛾		\Bbbgamma	double-struck small gamma
U+0213E	ℾ	ℾ			ℾ	ℾ		\BbbGamma	double-struck capital gamma
U+0213F	ℿ	ℿ			ℿ	ℿ		\BbbPi	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	∂	\partial$^{(p)}$	partial differential
U+02207	∇	∇	∇	∇	∇	∇	∇	\nabla$^{(p)}$	nabla, del, hamilton operator
U+1D6A4	𝚤	𝚤	𝚤	𝚤	𝚤	𝚤	𝚤	\imath$^{(p)}$	mathematical italic small dotless i
U+1D6A5	𝚥	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			𝟊	𝟊	𝟊	\mbfDigamma	mathematical bold capital digamma
U+1D7CB	𝟋	𝟋			𝟋	𝟋	𝟋	\mbfdigamma	mathematical bold small digamma