Every symbol (most symbols) defined by unicode-math

Will Robertson

`wspr81@gmail.com`

May 20, 2016

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. The following fonts are shown: (with approximate symbol counts)

M Latin Modern Math (1585)

X XITS Math (2425)

S STIX Math (2394)

C Cambria Math (1588)

A Asana Math (2253)

P TeX Gyre Pagella Math (1638)

D DejaVu Math TeX Gyre (1640)

E Neo Euler (577)

Note that there are addition maths fonts in the 'TeX Gyre' collection which aren't included here.

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

Contents

1 Opening symbols, \mathopen

USV	M	X	S	C	A	P	D	E	Macro	Description
U+00028	(	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	{	\lbrace(p)	left curly bracket
U+0221A	√	√	√	√	√	√	√	√	\sqrt(p)	radical
U+0221B		³√	³√	³√	³√			³√	\cuberoot	cube root
U+0221C		⁴√	⁴√	⁴√	⁴√			⁴√	\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil(p)	left ceiling
U+0230A	⌊	⌊	⌊	⌊	⌊	⌊	⌊	⌊	\lfloor(p)	left floor
U+0231C	⌜	⌜	⌜		⌜	⌜	⌜		\ulcorner	upper left corner
U+0231E	⌞	⌞	⌞		⌞	⌞	⌞		\llcorner	lower left corner
U+023B0		⎰		⎰					\lmoustache(p)	upper left or lower right curly bracket section
U+02772		❲	❲						\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⟅	⟅		⟅				\lbag	left s-shaped bag delimiter
U+027CC		⟌	⟌						\longdivision	long division
U+027E6	⟦	⟦	⟦	⟦	⟦	⟦	⟦		\lBrack	mathematical left white square bracket
U+027E8	⟨	⟨	⟨	⟨	⟨	⟨	⟨	⟨	\langle(p)	mathematical left angle bracket
U+027EA	⟪	⟪	⟪	⟪	⟪	⟪	⟪		\lAngle	mathematical left double angle bracket
U+027EC		⟬	⟬		⟬				\Lbrbrak	mathematical left white tortoise shell bracket
U+027EE	(	(	(		(	(	(		\lgroup(p)	mathematical left flattened parenthesis
U+02983		⦃	⦃		⦃				\lBrace	left white curly bracket
U+02985		⦅	⦅		⦅				\lParen	left white parenthesis
U+02987		⦇	⦇		⦇				\llparenthesis	z notation left image bracket
U+02989		⦉	⦉		⦉				\llangle	z notation left binding bracket

USV	M	X	S	C	A	P	D	E	Macro	Description
U+0298B		[	[		[				\lbrackubar	left square bracket with underbar
U+0298D		[	[		[				\lbrackultick	left square bracket with tick in top corner
U+0298F		[	[		[				\lbracklltick	left square bracket with tick in bottom corner
U+02991		⟨	⟨		⟨				\langledot	left angle bracket with dot
U+02993		⧏	⧏		⧏				\lparenless	left arc less-than bracket
U+02995		⦕	⦕		⦕				\Lparengtr	double left arc greater-than bracket
U+02997		❨	❨		❨				\lblkbrbrak	left black tortoise shell bracket
U+029D8		⧘	⧘		⧘				\lvzigzag	left wiggly fence
U+029DA		⧚	⧚		⧚				\Lvzigzag	left double wiggly fence
U+029FC		⧼	⧼	⧼	⧼				\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02992		⟩	⟩		⟩				\rangledot	right angle bracket with dot
U+02994		⟩	⟩		⟩				\rparengtr	right arc greater-than bracket
U+02996		⟩	⟩		⟩				\Rparenless	double right arc less-than bracket
U+02998		❩	❩		❩				\rblkbrbrak	right black tortoise shell bracket
U+029D9		⧙	⧙		⧙				\rvzigzag	right wiggly fence
U+029DB		⧛	⧛		⧛				\Rvzigzag	right double wiggly fence
U+029FD		⧽	⧽	⧽	⧽				\rcurvyangle	right pointing curved angle bracket

3 Fence symbols, `\mathfence`

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

4 Punctuation symbols, `\mathpunct`

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

5 'Over' symbols, `\mathover`

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

6 'Under' symbols, `\mathunder`

USV	M	X	S	C	A	P	D	E	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

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

7 Accents, \mathaccent

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+00300	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{X}$	$\grave{\Box}$	\grave(p)	grave accent
U+00301	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{X}$	$\acute{\Box}$	\acute(p)	acute accent
U+00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{X}$	$\hat{\Box}$	\hat(p)	circumflex accent
U+00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{X}$	$\tilde{\Box}$	\tilde(p)	tilde
U+00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{X}$	$\bar{\Box}$	\bar(p)	macron
U+00305	$\bar{x}$	$\overline{x}$	$\overline{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{X}$	$\bar{\Box}$	\overbar	overbar embellishment
U+00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{X}$	$\breve{\Box}$	\breve(p)	breve
U+00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{X}$	$\dot{\Box}$	\dot(p)	dot above
U+00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{X}$	$\ddot{\Box}$	\ddot(p)	dieresis
U+00309	$\overset{\text{?}}{x}$	$\overset{\text{?}}{x}$	$\overset{\text{?}}{x}$	$\overset{\text{?}}{x}$		$\overset{\text{?}}{x}$	$\overset{\text{?}}{X}$		\ovhook	combining hook above
U+0030A	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{X}$	$\mathring{\Box}$	\ocirc	ring
U+0030C	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{X}$	$\check{\Box}$	\check(p)	caron
U+00310		$\overset{\smallsmile}{x}$	$\overset{\smallsmile}{x}$	$\overset{\smallsmile}{x}$					\candra	candrabindu (non-spacing)
U+00312		$\overset{\text{'}}{x}$	$\overset{\text{'}}{x}$	$\overset{\text{'}}{x}$					\oturnedcomma	combining turned comma above
U+00315		$\overset{\text{'}}{x}$	$\overset{\text{'}}{x}$	$\overset{\text{'}}{x}$					\ocommatopright	combining comma above right
U+0031A		$\overset{\text{˹}}{x}$	$\overset{\text{˹}}{x}$	$\overset{\text{˹}}{x}$					\droang	left angle above (non-spacing)
U+00338	$6\,x$	$\not{k}$	$\not{k}$	$\not{k}$	$\not{k}$	$\not{k}$	$\not{K}$	$\not{\square}$	\not(p)	combining long solidus overlay
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	$\overline{\mathbf{I}}\!x$	$\overline{k}$	$\overline{k}$	$\overline{x}$	$\overline{k}$	$\overline{k}$	$\overline{K}$		\vertoverlay	combining long vertical line overlay
U+020D7	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{x}$	$\vec{X}$	$\vec{\Box}$	\vec(p)	combining right arrow above
U+020DB	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{x}$	$\dddot{X}$	$\dddot{\Box}$	\dddot	combining three dots above

USV	M	X	S	C	A	P	D	E	Macro	Description
U+020DC	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	$\ddddot{x}$	⃜	\ddddot	combining four dots above
U+020E7		x⃧	x⃧		x⃧				\annuity	combining annuity symbol
U+020E9	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$		\widebridgeabove	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$			$\overset{*}{x}$	$\overset{*}{x}$		\asteraccent	combining asterisk above

8 Bottom accents, \mathbotaccent

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

9 Big operators, \mathop

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

usv	M	X	S	C	A	P	D	E	Macro	Description
U+02140	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$		\Bbbsum	double-struck n-ary summation
U+0220F	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	\prod[(p)]	product operator
U+02210	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	\coprod[(p)]	coproduct operator
U+02211	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	\sum[(p)]	summation operator
U+0222B	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	\int[(p)]	integral operator
U+0222C	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	\iint	double integral operator
U+0222D	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	\iiint	triple integral operator
U+0222E	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	\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	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$	$\intclockwise_0^1$		\intclockwise	clockwise integral
U+02232	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$	$\varointclockwise_0^1$		\varointclockwise	contour integral, clockwise

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02233									`\ointctrclockwise`	contour integral, anticlockwise
U+022C0									`\bigwedge`[(p)]	logical or operator
U+022C1									`\bigvee`[(p)]	logical and operator
U+022C2									`\bigcap`[(p)]	intersection operator
U+022C3									`\bigcup`[(p)]	union operator
U+027D5									`\leftouterjoin`	left outer join
U+027D6									`\rightouterjoin`	right outer join
U+027D7									`\fullouterjoin`	full outer join
U+027D8									`\bigbot`	large up tack
U+027D9									`\bigtop`	large down tack
U+029F8									`\xsol`	big solidus
U+029F9									`\xbsol`	big reverse solidus
U+02A00									`\bigodot`[(p)]	n-ary circled dot operator
U+02A01									`\bigoplus`[(p)]	n-ary circled plus operator

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A0E		∱	∱		∱				\intBar	integral with double stroke
U+02A0F		⨏	⨏		⨏				\fint	integral average with slash
U+02A10		⨐	⨐		⨐				\cirfnint	circulation function
U+02A11	⨑	⨑	⨑		⨑	⨑	⨑		\awint	anticlockwise integration
U+02A12		⨒	⨒		⨒				\rppolint	line integration with rectangular path around pole
U+02A13		⨓	⨓		⨓				\scpolint	line integration with semicircular path around pole
U+02A14		⨔	⨔		⨔				\npolint	line integration not including the pole
U+02A15		⨕	⨕		⨕				\pointint	integral around a point operator
U+02A16		⨖	⨖		⨖				\sqint	quaternion integral operator
U+02A17		⨗	⨗		⨗				\intlarhk	integral with leftwards arrow with hook
U+02A18		⨘	⨘		⨘				\intx	integral with times sign

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A19		$\oint$	$\oint$		$\oint$				\intcap	integral with intersection
U+02A1A		$\oint$	$\oint$		$\oint$				\intcup	integral with union
U+02A1B		$\int$	$\int$		$\int$				\upint	integral with overbar
U+02A1C		$\int$	$\int$		$\int$				\lowint	integral with underbar
U+02A1D		$\bowtie$	$\bowtie$		$\bowtie$				\Join	join
U+02A1E		$\triangleleft$	$\triangleleft$		$\triangleleft$				\bigtriangleleft	large left triangle operator
U+02A1F		⨟	⨟		⨟				\zcmp	z notation schema composition
U+02A20		$\ggg$	$\ggg$		$\ggg$				\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	X	S	C	A	P	D	E	Macro	Description
U+1EEF1									\arabichad	arabic mathematical operator hah with dal

10 Binary relations, \mathbin

USV	M	X	S	C	A	P	D	E	Macro	Description
U+0002B	+	+	+	+	+	+	+	+	\mathplus	plus sign b:
U+000B1	±	±	±	±	±	±	±	±	\pm(p)	plus-or-minus sign
U+000B7	·	·	·	·	·	·	·	·	\cdotp(p)	/centerdot b: middle dot
U+000D7	×	×	×	×	×	×	×	×	\times(p)	multiply sign
U+000F7	÷	÷	÷	÷	÷	÷	÷	÷	\div(p)	divide sign
U+02020	†	†	†	†	†	†	†		\dagger(p)	dagger relation
U+02021	‡	‡	‡	‡	‡	‡	‡		\ddagger(p)	double dagger relation
U+02022	●	●	●	●	●	●	●		\smblkcircle	/bullet b: round bullet, filled
U+02040		⁀	⁀		⁀				\tieconcat	character tie, z notation sequence concatenation
U+02044	⁄	⁄	⁄	⁄	⁄	⁄	⁄	⁄	\fracslash	fraction slash
U+0214B		⅋	⅋	⅋	⅋				\upand	turned ampersand
U+02212	−	−	−	−	−	−	−	−	\minus	minus sign
U+02213	∓	∓	∓	∓	∓	∓	∓	∓	\mp(p)	minus-or-plus sign
U+02214	∔	∔	∔	∔	∔	∔	∔		\dotplus(a)	plus sign, dot above
U+02215	∕	∕	∕	∕	∕	∕	∕	∕	\divslash	division slash
U+02216	∖	∖	∖	∖	∖	∖	∖	∖	\smallsetminus(a)	small set minus (cf. reverse solidus)
U+02217	∗	∗	∗	∗	∗	∗	∗	∗	\ast(p)	centered asterisk
U+02218	∘	∘	∘	∘	∘	∘	∘	∘	\vysmwhtcircle	composite function (small circle)

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02219	●	•	•	·	·	●	•	●	\vysmblkcircle	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	∧	\wedge[p]	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	∨	\vee[p]	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩	∩	∩	\cap[p]	intersection
U+0222A	∪	∪	∪	∪	∪	∪	∪	∪	\cup[p]	union or logical sum
U+02238	∸	∸	∸	∸	∸	∸	∸	∸	\dotminus	minus sign, dot above
U+0223E	∾	∾	∾	∾	∾	∾	∾		\invlazys	most positive [inverted lazy s]
U+02240	≀	≀	≀	≀	≀	≀	≀	≀	\wr[p]	wreath product
U+0228C	⊌	⊌	⊌	⊌	⊌	⊌	⊌		\cupleftarrow	multiset
U+0228D	⊍	⊍	⊍	⊍	⊍	⊍	⊍		\cupdot	union, with dot
U+0228E	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	\uplus[p]	plus sign in union
U+02293	⊓	⊓	⊓	⊓	⊓	⊓	⊓		\sqcap[p]	square intersection
U+02294	⊔	⊔	⊔	⊔	⊔	⊔	⊔		\sqcup[p]	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	\oplus[p]	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	\ominus[p]	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	\otimes[p]	multiply sign in circle
U+02298	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	\oslash[p]	solidus in circle
U+02299	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	\odot[p]	middle dot in circle
U+0229A	⊚	⊚	⊚	⊚	⊚	⊚	⊚		\circledcirc[a]	small circle in circle
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+022A0	⊠	⊠	⊠	⊠	⊠	⊠	⊠		\boxtimes[a]	multiply sign in box
U+022A1	⊡	⊡	⊡	⊡	⊡	⊡	⊡		\boxdot[a]	/dotsquare /boxdot b: small dot in box
U+022BA	⊺	⊺	⊺	⊺	⊺	⊺	⊺		\intercal[a]	intercal
U+022BB	⊻	⊻	⊻	⊻	⊻	⊻	⊻		\veebar[a]	logical or, bar below (large vee); exclusive disjunction
U+022BC	⊼	⊼	⊼	⊼	⊼	⊼	⊼		\barwedge[a]	bar, wedge (large wedge)
U+022BD	⊽	⊽	⊽	⊽	⊽	⊽	⊽		\barvee	bar, vee (large vee)
U+022C4	⋄	⋄	⋄	⋄	⋄	⋄	⋄	◇	\smwhtdiamond	white diamond
U+022C5	·	·	·	·	·	·	·	·	\cdot[p]	small middle dot
U+022C6	⋆	⋆	⋆	⋆	⋆	⋆	⋆		\star[p]	small star, filled, low
U+022C7	⋇	⋇	⋇	⋇	⋇	⋇	⋇		\divideontimes[a]	division on times
U+022C9	⋉	⋉	⋉	⋉	⋉	⋉	⋉		\ltimes[a]	times sign, left closed
U+022CA	⋊	⋊	⋊	⋊	⋊	⋊	⋊		\rtimes[a]	times sign, right closed
U+022CB	⋋	⋋	⋋	⋋	⋋	⋋	⋋		\leftthreetimes[a]	left semidirect product
U+022CC	⋌	⋌	⋌	⋌	⋌	⋌	⋌		\rightthreetimes[a]	right semidirect product
U+022CE	⋎	⋎	⋎	⋎	⋎	⋎	⋎		\curlyvee[a]	curly logical or
U+022CF	⋏	⋏	⋏	⋏	⋏	⋏	⋏		\curlywedge[a]	curly logical and
U+022D2	⋒	⋒	⋒	⋒	⋒	⋒	⋒		\Cap[a]	/cap /doublecap b: double intersection
U+022D3	⋓	⋓	⋓	⋓	⋓	⋓	⋓		\Cup[a]	/cup /doublecup b: double union
U+02305	⊼	⊼	⊼		⊼	⊼	⊼		\varbarwedge	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306	⩞	⩞	⩞		⩞	⩞	⩞		\vardoublebarwedge	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		⦵	⦵		⦵				\obar	circle with vertical bar
U+025B3	△	△	△	△	△	△	△		\bigtriangleup[p]	big up triangle, open

18

USV	M	X	S	C	A	P	D	E	Macro	Description
U+025B7	▷	▷	▷		▷	▷	▷		\triangleright^(p)	(large) right triangle, open; z notation range restriction
U+025C1	◁	◁	◁		◁	◁	◁		\triangleleft^(p)	(large) left triangle, open; z notation domain restriction
U+025CB	○	○	○		○	○	●		\mdlgwhtcircle	medium large circle
U+025EB		⊟	⊟		⊟				\boxbar	vertical bar in box
U+027C7		⩒	⩒		⩒				\veedot	or with dot inside
U+027D1		⩑	⩑		⩑				\wedgedot	and with dot
U+027E0	◇	◇	◇		◇	◇	◇		\lozengeminus	lozenge divided by horizontal rule
U+027E1	◇	◇	◇	◇	◇	◇	◇		\concavediamond	white concave-sided diamond
U+027E2	◇	◇	◇		◇	◇	◇		\concavediamondtickleft	white concave-sided diamond with leftwards tick
U+027E3	◇	◇	◇		◇	◇	◇		\concavediamondtickright	white concave-sided diamond with rightwards tick
U+027E4		⟤	⟤		⟤				\whitesquaretickleft	white square with leftwards tick
U+027E5		⟥	⟥		⟥				\whitesquaretickright	white square with rightwards tick
U+02982		⦂	⦂		⦂				\typecolon	z notation type colon
U+029B5		⦵	⦵		⦵				\circlehbar	circle with horizontal bar
U+029B6		⦶	⦶		⦶				\circledvert	circled vertical bar
U+029B7		⦷	⦷		⦷				\circledparallel	circled parallel
U+029B8		⦸	⦸		⦸				\obslash	circled reverse solidus
U+029B9		⦹	⦹		⦹				\operp	circled perpendicular
U+029C0		⧀	⧀		⧀				\olessthan	circled less-than
U+029C1		⧁	⧁		⧁				\ogreaterthan	circled greater-than
U+029C4		⧄	⧄		⧄				\boxdiag	squared rising diagonal slash
U+029C5		⧅	⧅		⧅				\boxbslash	squared falling diagonal slash
U+029C6		⧆	⧆		⧆				\boxast	squared asterisk

USV	M	X	S	C	A	P	D	E	Macro	Description
U+029C7		⊡	⊡		⊡				\boxcircle	squared small circle
U+029C8		⊟	⊟		⊟				\boxbox	squared square
U+029CD		△	△		△				\triangleserifs	triangle with serifs at bottom
U+029D6		⧖	⧖		⧖				\hourglass	white hourglass
U+029D7		⧗	⧗		⧗				\blackhourglass	black hourglass
U+029E2		⧢	⧢		⧢				\shuffle	shuffle product
U+029EB		◆	◆		◆				\mdlgblklozenge	black lozenge
U+029F5		\	\		\				\setminus[p]	reverse solidus operator
U+029F6		⫶	⫶		⫶				\dsol	solidus with overbar
U+029F7		⫷	⫷		⫷				\rsolbar	reverse solidus with horizontal stroke
U+029FA		⧺	⧺		⧺				\doubleplus	double plus
U+029FB		⧻	⧻		⧻				\tripleplus	triple plus
U+029FE		⧾	⧾		⧾				\tplus	tiny
U+029FF		⧿	⧿		⧿				\tminus	miny
U+02A22		⨢	⨢		⨢				\ringplus	plus sign with small circle above
U+02A23		⨣	⨣		⨣				\plushat	plus sign with circumflex accent above
U+02A24		⨤	⨤		⨤				\simplus	plus sign with tilde above
U+02A25		⨥	⨥		⨥				\plusdot	plus sign with dot below
U+02A26		⨦	⨦		⨦				\plussim	plus sign with tilde below
U+02A27		⨧	⨧		⨧				\plussubtwo	plus sign with subscript two
U+02A28		⨨	⨨		⨨				\plustrif	plus sign with black triangle
U+02A29		⨩	⨩		⨩				\commaminus	minus sign with comma above
U+02A2A		⨪	⨪		⨪				\minusdot	minus sign with dot below
U+02A2B		⨫	⨫		⨫				\minusfdots	minus sign with falling dots

20

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A2C		⨬	⨬		⨬				\minusrdots	minus sign with rising dots
U+02A2D		⨭	⨭		⨭				\opluslhrim	plus sign in left half circle
U+02A2E		⨮	⨮		⨮				\oplusrhrim	plus sign in right half circle
U+02A2F	×	×	×		×	×	×		\vectimes	vector or cross product
U+02A30		⨰	⨰		⨰				\dottimes	multiplication sign with dot above
U+02A31		⨱	⨱		⨱				\timesbar	multiplication sign with underbar
U+02A32		⨲	⨲		⨲				\btimes	semidirect product with bottom closed
U+02A33		⨳	⨳		⨳				\smashtimes	smash product
U+02A34		⨴	⨴		⨴				\otimeslhrim	multiplication sign in left half circle
U+02A35		⨵	⨵		⨵				\otimesrhrim	multiplication sign in right half circle
U+02A36		⨶	⨶		⨶				\otimeshat	circled multiplication sign with circumflex accent
U+02A37		⨷	⨷		⨷				\Otimes	multiplication sign in double circle
U+02A38		⨸	⨸		⨸				\odiv	circled division sign
U+02A39		⨹	⨹		⨹				\triangleplus	plus sign in triangle
U+02A3A		⨺	⨺		⨺				\triangleminus	minus sign in triangle
U+02A3B		⨻	⨻		⨻				\triangletimes	multiplication sign in triangle
U+02A3C		⨼	⨼		⨼				\intprod	interior product
U+02A3D		⨽	⨽		⨽				\intprodr	righthand interior product
U+02A3E		⨾	⨾		⨾				\fcmp	z notation relational composition
U+02A3F	∐	∐	∐		∐	∐	∐		\amalg[p]	amalgamation or coproduct
U+02A40		⩀	⩀		⩀				\capdot	intersection with dot
U+02A41		⩁	⩁		⩁				\uminus	union with minus sign
U+02A42		⩂	⩂		⩂				\barcup	union with overbar

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A43		⩃	⩃		⩃				\barcap	intersection with overbar
U+02A44		⩄	⩄		⩄				\capwedge	intersection with logical and
U+02A45		⩅	⩅		⩅				\cupvee	union with logical or
U+02A46		⩆	⩆		⩆				\cupovercap	union above intersection
U+02A47		⩇	⩇		⩇				\capovercup	intersection above union
U+02A48		⩈	⩈		⩈				\cupbarcap	union above bar above intersection
U+02A49		⩉	⩉		⩉				\capbarcup	intersection above bar above union
U+02A4A		⩊	⩊		⩊				\twocups	union beside and joined with union
U+02A4B		⩋	⩋		⩋				\twocaps	intersection beside and joined with intersection
U+02A4C		⩌	⩌		⩌				\closedvarcup	closed union with serifs
U+02A4D		⩍	⩍		⩍				\closedvarcap	closed intersection with serifs
U+02A4E		⩎	⩎		⩎				\Sqcap	double square intersection
U+02A4F		⩏	⩏		⩏				\Sqcup	double square union
U+02A50		⩐	⩐		⩐				\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51		⩑	⩑		⩑				\wedgeodot	logical and with dot above
U+02A52		⩒	⩒		⩒				\veeodot	logical or with dot above
U+02A53		⩓	⩓		⩓				\Wedge	double logical and
U+02A54		⩔	⩔		⩔				\Vee	double logical or
U+02A55		⩕	⩕		⩕				\wedgeonwedge	two intersecting logical and
U+02A56		⩖	⩖		⩖				\veeonvee	two intersecting logical or
U+02A57		⩗	⩗		⩗				\bigslopedvee	sloping large or
U+02A58		⩘	⩘		⩘				\bigslopedwedge	sloping large and
U+02A5A		⩚	⩚		⩚				\wedgemidvert	logical and with middle stem
U+02A5B		⩛	⩛		⩛				\veemidvert	logical or with middle stem

22

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A5C		⩜	⩜		⩜				\midbarwedge	ogical and with horizontal dash
U+02A5D		⩝	⩝		⩝				\midbarvee	logical or with horizontal dash
U+02A5E		⩞	⩞		⩞				\doublebarwedge[a]	logical and with double overbar
U+02A5F		⩟	⩟		⩟				\wedgebar	logical and with underbar
U+02A60		⩠	⩠		⩠				\wedgedoublebar	logical and with double underbar
U+02A61		⩡	⩡		⩡				\varveebar	small vee with underbar
U+02A62		⩢	⩢		⩢				\doublebarvee	logical or with double overbar
U+02A63		⩣	⩣		⩣				\veedoublebar	logical or with double underbar
U+02A64		⩤	⩤		⩤				\dsub	z notation domain antirestriction
U+02A65		⩥	⩥		⩥				\rsub	z notation range antirestriction
U+02A71		⩱	⩱		⩱				\eqqplus	equals sign above plus sign
U+02A72		⩲	⩲		⩲				\pluseqq	plus sign above equals sign
U+02AF4		⫴	⫴		⫴				\interleave	triple vertical bar binary relation
U+02AF5		⫵	⫵		⫵				\nhVvert	triple vertical bar with horizontal stroke
U+02AF6		⫶	⫶		⫶				\threedotcolon	triple colon operator
U+02AFB		⫻	⫻		⫻				\trslash	triple solidus binary relation
U+02AFD		⫽	⫽		⫽				\sslash	double solidus operator
U+02AFE		⫾	⫾		⫾				\talloblong	white vertical bar

11 Ordinary symbols, \mathord

USV	M	X	S	C	A	P	D	E	Macro	Description
U+00023	#	#	#	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	$	$	$	$	$	$	$	$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	%	%	%	\mathpercent	percent sign
U+00026	&	&	&	&	&	&	&	&	\mathampersand	ampersand
U+0002E	.	.	.	.	.	.	.	.	\mathperiod	full stop, period
U+0002F	/	/	/	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	?	?	?	\mathquestion	question mark
U+00040	@	@	@	@	@	@	@	@	\mathatsign	commercial at
U+0005C	\	\	\	\	\	\	\	\	\backslash[(p)]	reverse solidus
U+000A3	£	£	£	£	£	£	£		\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥	¥		\mathyen	yen sign
U+000A7	§	§	§	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	¬	¬	¬	\neg[(p)]	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	¶	¶		\mathparagraph	paragraph symbol
U+001B5		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)

USV	M	X	S	C	A	P	D	E	Macro	Description
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 super-scripted
U+02037	‷	‷	‷		‷	‷	‷	‷	\backtrprime	triple reverse prime, not super-scripted
U+02038		‸	‸						\caretinsert	caret (insertion mark)
U+0203C		‼	‼	‼	‼				\Exclam	double exclama-tion mark
U+02043		⁃	⁃						\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		⁇	⁇						\Question	double question mark
U+02057	⁗	⁗	⁗	⁗	⁗	⁗	⁗	⁗	\qprime	quadruple prime, not su-perscripted
U+020AC	€	€	€	€	€	€	€		\euro	euro sign
U+020DD	◯	◯	◯	◯	◯	◯	◯	◯	\enclosecircle	combining en-closing circle
U+020DE	□	□	□	□	□	□	□		\enclosesquare	combining en-closing square
U+020DF	◇	◇	◇	◇	◇	◇	◇		\enclosediamond	combining en-closing diamond
U+020E4	△	△	△		△	△	△		\enclosetriangle	combining en-closing upward pointing triangle
U+02107	ℇ	ℇ	ℇ	ℇ	ℇ	ℇ	ℇ		\Eulerconst	euler constant

USV	M	X	S	C	A	P	D	E	Macro	Description
U+210E	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	\Planckconst	planck constant
U+2127	℧	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+2132		Ⅎ	Ⅎ	Ⅎ	Ⅎ				\Finv[a]	turned capital f
U+213C	ℼ	ℼ	ℼ		ℼ	ℼ	ℼ		\Bbbpi	double-struck small pi
U+2141		⅁	⅁	⅁	⅁				\Game[a]	turned sans-serif capital g
U+2142		⅂	⅂	⅂	⅂				\sansLturned	turned sans-serif capital l
U+2143		⅃	⅃	⅃	⅃				\sansLmirrored	reversed sans-serif capital l
U+2144		⅄	⅄	⅄	⅄				\Yup	turned sans-serif capital y
U+2145	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻		\mitBbbD	double-struck italic capital d
U+2146	𝕕	𝕕	𝕕	𝕕	𝕕	𝕕	𝕕		\mitBbbd	double-struck italic small d
U+2147	𝕖	𝕖	𝕖	𝕖	𝕖	𝕖	𝕖		\mitBbbe	double-struck italic small e
U+2148	𝕚	𝕚	𝕚	𝕚	𝕚	𝕚	𝕚		\mitBbbi	double-struck italic small i
U+2149	𝕛	𝕛	𝕛	𝕛	𝕛	𝕛	𝕛		\mitBbbj	double-struck italic small j
U+214A		℘	℘	℘					\PropertyLine	property line
U+21A8		↨	↨	↨	↨				\updownarrowbar	up down arrow with base (perpendicular)
U+21B4	↴	↴	↴	↴	↴	↴	↴		\linefeed	rightwards arrow with corner downwards
U+21B5	↵	↵	↵	↵	↵	↵	↵		\carriagereturn	downwards arrow with corner leftward = carriage return
U+21B8		↸	↸	↸	↸				\barovernorthwestarrow	north west arrow to long bar
U+21B9		↹	↹	↹	↹				\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar

USV	M	X	S	C	A	P	D	E	Macro	Description
U+021BA	↺	↺	↺	↺	↺	↺	↺		\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻		\cwopencirclearrow	clockwise open circle arrow
U+021DE		↞	↞	↞	↞				\nHuparrow	upwards arrow with double stroke
U+021DF		↡	↡	↡	↡				\nHdownarrow	downwards arrow with double stroke
U+021E0		⇠	⇠	⇠	⇠				\leftdasharrow	leftwards dashed arrow
U+021E1		⇡	⇡	⇡	⇡				\updasharrow	upwards dashed arrow
U+021E2		⇢	⇢	⇢	⇢				\rightdasharrow	rightwards dashed arrow
U+021E3		⇣	⇣	⇣	⇣				\downdasharrow	downwards dashed arrow
U+021E6	⇦	⇦	⇦	⇦	⇦	⇦	⇦		\leftwhitearrow	leftwards white arrow
U+021E7	⇧	⇧	⇧	⇧	⇧	⇧	⇧		\upwhitearrow	upwards white arrow
U+021E8	⇨	⇨	⇨	⇨	⇨	⇨	⇨		\rightwhitearrow	rightwards white arrow
U+021E9	⇩	⇩	⇩	⇩	⇩	⇩	⇩		\downwhitearrow	downwards white arrow
U+021EA		⇪	⇪	⇪	⇪				\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	∀	\forall[p]	for all
U+02201	∁	∁	∁	∁	∁	∁	∁		\complement[a]	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	∃	\exists[p]	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	∄	\nexists[a]	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	∅	\varnothing[a]	circle, slash
U+02206	∆	∆	∆	∆	∆	∆	∆	∆	\increment	laplacian (delta; nabla^2)
U+0220E	∎	∎	∎	∎	∎	∎	∎		\QED	end of proof

USV	M	X	S	C	A	P	D	E	Macro	Description
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
U+02311		⌑	⌑						\sqlozenge	square lozenge
U+02312		⌒	⌒						\profline	profile of a line
U+02313		⌓	⌓						\profsurf	profile of a surface
U+02317		⌗	⌗						\viewdata	viewdata square

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02319	⌙	⌙	⌙		⌙	⌙	⌙		\turnednot	turned not sign
U+02320	⌠	⌠		⌠	⌠	⌠	⌠	⌠	\inttop	top half integral
U+02321	⌡	⌡		⌡	⌡	⌡	⌡	⌡	\intbottom	bottom half integral
U+0232C		⌬	⌬						\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		⌲	⌲						\conictaper	conical taper
U+02336		⌶	⌶						\topbot	top and bottom
U+02340		⍀	⍀						\APLnotbackslash	apl functional symbol back-slash 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

usv	M	X	S	C	A	P	D	E	Macro	Description
U+023A0									\rparenlend	right parenthesis lower hook
U+023A1									\lbrackuend	left square bracket upper corner
U+023A2									\lbrackextender	left square bracket extension
U+023A3									\lbracklend	left square bracket lower corner
U+023A4									\rbrackuend	right square bracket upper corner
U+023A5									\rbrackextender	right square bracket extension
U+023A6									\rbracklend	right square bracket lower corner
U+023A7									\lbraceuend	left curly bracket upper hook
U+023A8									\lbracemid	left curly bracket middle piece
U+023A9									\lbracelend	left curly bracket lower hook
U+023AA									\vbraceextender	curly bracket extension
U+023AB									\rbraceuend	right curly bracket upper hook
U+023AC									\rbracemid	right curly bracket middle piece

USV	M	X	S	C	A	P	D	E	Macro	Description
U+023AD	⌯	⌯		⌯	⌯	⌯	⌯	⌯	\rbracelend	right curly bracket lower hook
U+023AE		⌮		⌮	⌮	⌮	⌮	⌮	\intextender	integral extension
U+023AF		-	-	-	-				\harrowextender	horizontal line extension (used to extend arrows)
U+023B2	⌲	⌲		⌲	⌲	⌲	⌲		\sumtop	summation top
U+023B3	⌳	⌳		⌳	⌳	⌳	⌳		\sumbottom	summation bottom
U+023B6		⎶	⎶	⎶					\bbrktbrk	bottom square bracket over top square bracket
U+023B7	√	√		√	√	√	√		\sqrtbottom	radical symbol bottom
U+023B8		⎸							\lvboxline	left vertical box line
U+023B9		⎹							\rvboxline	right vertical box line
U+023CE		⏎	⏎						\varcarriagereturn	return symbol
U+023E0	⏠	⏠	⏠	⏠	⏠	⏠	⏠		\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1	⏡	⏡	⏡		⏡	⏡	⏡		\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2		⏢	⏢						\trapezium	white trapezium
U+023E3		⏣	⏣						\benzenr	benzene ring with circle
U+023E4		⏤	⏤						\strns	straightness
U+023E5		⏥	⏥						\fltns	flatness
U+023E6		⏦	⏦						\accurrent	ac current

USV	M	X	S	C	A	P	D	E	Macro	Description
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

usv	M	X	S	C	A	P	D	E	Macro	Description
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 rect-angle, open
U+025AE		▮	▮						`\vrectangleblack`	black vertical rectangle
U+025AF		▯	▯						`\vrectangle`	rectangle, white (vertical)
U+025B0		▰	▰						`\parallelogramblack`	black parallelo-gram
U+025B1		▱	▱						`\parallelogram`	parallelogram, open
U+025B2	▲	▲	▲		▲	▲	▲		`\bigblacktriangleup`	0x25b2 6 6d black up-pointing triangle
U+025B4		▴	▴						`\blacktriangle`[a]	up triangle, filled
U+025B6	▶	▶	▶		▶	▶	▶		`\blacktriangleright`[a]	(large) right triangle, filled
U+025B8		▸	▸						`\smallblacktriangleright`	right triangle, filled
U+025B9		▹	▹						`\smalltriangleright`	right triangle, open
U+025BA		▸	▸		▶		▸		`\blackpointerright`	black right-pointing pointer
U+025BB		▷	▷		▷				`\whitepointerright`	white right-pointing pointer
U+025BC	▼	▼	▼		▼	▼	▼		`\bigblacktriangledown`	big down trian-gle, filled
U+025BD	▽	▽	▽		▽	▽	▽		`\bigtriangledown`[p]	big down trian-gle, open

USV	M	X	S	C	A	P	D	E	Macro	Description
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

usv	M	X	S	C	A	P	D	E	Macro	Description
U+025D4		◓	◓						\circleurquadblack	circle with upper right quadrant black
U+025D5		◕	◕						\blackcircleulquadwhite	circle with all but upper left quadrant black
U+025D6		◖	◖						\blacklefthalfcircle	left half black circle
U+025D7		◗	◗						\blackrighthalfcircle	right half black circle
U+025D8		◘	◘						\inversebullet	inverse bullet
U+025D9		◙	◙						\inversewhitecircle	inverse white circle
U+025DA		◚	◚						\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB		◛	◛						\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC		◜	◜						\ularc	upper left quadrant circular arc
U+025DD		◝	◝						\urarc	upper right quadrant circular arc
U+025DE		◞	◞						\lrarc	lower right quadrant circular arc
U+025DF		◟	◟						\llarc	lower left quadrant circular arc
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+025E6	○	○	○		○	○	○		\smwhtcircle	white bullet
U+025E7		◧	◧		◧				\squareleftblack	square, filled left half
U+025E8		◨	◨		◨				\squarerightblack	square, filled right half
U+025E9		◸	◸						\squareulblack	square, filled top left corner
U+025EA		◿	◿						\squarelrblack	square, filled bottom right corner
U+025EC		△	△						\trianglecdot	triangle with centered dot
U+025ED		◭	◭		◭				\triangleleftblack	up-pointing triangle with left half black
U+025EE		◮	◮		◮				\trianglerightblack	up-pointing triangle with right half black
U+025EF	○	○	○		○	○	●		\lgwhtcircle	large circle
U+025F0		◰	◰						\squareulquad	white square with upper left quadrant
U+025F1		◱	◱						\squarellquad	white square with lower left quadrant
U+025F2		◲	◲						\squarelrquad	white square with lower right quadrant
U+025F3		◳	◳						\squareurquad	white square with upper right quadrant
U+025F4		◴	◴						\circleulquad	white circle with upper left quadrant
U+025F5		◵	◵						\circlellquad	white circle with lower left quadrant
U+025F6		◶	◶						\circlelrquad	white circle with lower right quadrant

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02688		●	●						\blackcircledrightdot	black circle with white dot right
U+02689		●	●						\blackcircledtwodots	black circle with two white dots
U+026A5		⚥	⚥						\Hermaphrodite	male and female sign
U+026AA		○	○						\mdwhtcircle	medium white circle
U+026AB		●	●						\mdblkcircle	medium black circle
U+026AC		○	○						\mdsmwhtcircle	medium small white circle
U+026B2		♀	♀						\neuter	neuter
U+02713	✓	✓	✓		✓	✓	✓		\checkmark	tick, check mark
U+02720	✠	✠	✠		✠	✠	✠		\maltese	maltese cross
U+0272A		✪	✪						\circledstar	circled white star
U+02736		✶	✶		✶				\varstar	six pointed black star
U+0273D		✽	✽						\dingasterisk	heavy teardrop-spoked asterisk
U+0279B		➛	➛						\draftingarrow	right arrow with bold head (drafting)
U+027C0		∟	∟		∟				\threedangle	three dimensional angle
U+027C1		⟁	⟁		⟁				\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3		⟃	⟃		⟃				\subsetcirc	open subset
U+027C4		⟄	⟄		⟄				\supsetcirc	open superset
U+027D0		⟐	⟐		⟐				\diamondcdot	white diamond with centred dot
U+0292B		⤫	⤫	⤫	⤫				\rdiagovfdiag	rising diagonal crossing falling diagonal

USV	M	X	S	C	A	P	D	E	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

40

usv	M	X	S	C	A	P	D	E	Macro	Description
U+029A0		⧠	⧠		⧠				\gtlpar	spherical angle opening left
U+029A1		⧡	⧡		⧡				\sphericalangleup	spherical angle opening up
U+029A2		⧢	⧢		⧢				\turnangle	turned angle
U+029A3		⧣	⧣		⧣				\revangle	reversed angle
U+029A4		⧤	⧤		⧤				\angleubar	angle with underbar
U+029A5		⧥	⧥		⧥				\revangleubar	reversed angle with underbar
U+029A6		⧦	⧦		⧦				\wideangledown	oblique angle opening up
U+029A7		⧧	⧧		⧧				\wideangleup	oblique angle opening down
U+029A8		⧨	⧨		⧨				\measanglerutone	measured angle with open arm ending in arrow pointing up and right
U+029A9		⧩	⧩		⧩				\measanglelutonw	measured angle with open arm ending in arrow pointing up and left
U+029AA		⧪	⧪		⧪				\measanglerdtose	measured angle with open arm ending in arrow pointing down and right
U+029AB		⧫	⧫		⧫				\measangleldtosw	measured angle with open arm ending in arrow pointing down and left
U+029AC		⧬	⧬		⧬				\measangleurtone	measured angle with open arm ending in arrow pointing right and up
U+029AD		⧭	⧭		⧭				\measangleultonw	measured angle with open arm ending in arrow pointing left and up

usv	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+029C9		⯐	⯐		⯐				\boxonbox	two joined squares
U+029CA		△	△		△				\triangleodot	triangle with dot above
U+029CB		△	△		△				\triangleubar	triangle with underbar
U+029CC		△	△		△				\triangles	s in triangle
U+029DC		⧜	⧜		⧜				\iinfin	incomplete infinity
U+029DD		⧝	⧝		⧝				\tieinfty	tie over infinity
U+029DE		⧞	⧞		⧞				\nvinfty	infinity negated with vertical bar
U+029E0		⧠	⧠		⧠				\laplac	square with contoured outline
U+029E7		⧧	⧧		⧧				\thermod	thermodynamic
U+029E8		▽	▽		▽				\downtriangleleftblack	down-pointing triangle with left half black
U+029E9		▽	▽		▽				\downtrianglerightblack	down-pointing triangle with right half black
U+029EA		⧪	⧪		⧪				\blackdiamonddownarrow	black diamond with down arrow
U+029EC		⧬	⧬		⧬				\circledownarrow	white circle with down arrow
U+029ED		⧭	⧭		⧭				\blackcircledownarrow	black circle with down arrow
U+029EE		⧮	⧮		⧮				\errbarsquare	error-barred white square
U+029EF		⧯	⧯		⧯				\errbarblacksquare	error-barred black square
U+029F0		⧰	⧰		⧰				\errbardiamond	error-barred white diamond
U+029F1		⧱	⧱		⧱				\errbarblackdiamond	error-barred black diamond
U+029F2		⧲	⧲		⧲				\errbarcircle	error-barred white circle

USV	M	X	S	C	A	P	D	E	Macro	Description
U+029F3		●	●		●				\errbarblackcircle	error-barred black circle
U+02AE1		⊥s	⊥s		⊥s				\perps	perpendicular with s
U+02AF1		⊺	⊺		⊺				\topcir	down tack with circle below
U+02B12		▣	▣						\squaretopblack	square with top half black
U+02B13		▣	▣						\squarebotblack	square with bottom half black
U+02B14		◪	◪						\squareurblack	square with upper right diagonal half black
U+02B15		◪	◪						\squarellblack	square with lower left diagonal half black
U+02B16		◈	◈						\diamondleftblack	diamond with left half black
U+02B17		◈	◈						\diamondrightblack	diamond with right half black
U+02B18		◆	◆						\diamondtopblack	diamond with top half black
U+02B19		◆	◆						\diamondbotblack	diamond with bottom half black
U+02B1A	⬚	⬚	⬚	⬚	⬚	⬚	⬚	⬚	\dottedsquare	dotted square
U+02B1B		■	■		■				\lgblksquare	black large square
U+02B1C		□	□		□				\lgwhtsquare	white large square
U+02B1D		▪	▪						\vysmblksquare	black very small square
U+02B1E		▫	▫						\vysmwhtsquare	white very small square
U+02B1F		⬟	⬟						\pentagonblack	black pentagon
U+02B20		⬠	⬠						\pentagon	white pentagon
U+02B21		⬡	⬡						\varhexagon	white hexagon

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02B22		⬡	⬢						\varhexagonblack	black hexagon
U+02B23		⬣	⬣						\hexagonblack	horizontal black hexagon
U+02B24		●	●						\lgblkcircle	black large circle
U+02B25		◆	◆						\mdblkdiamond	black medium diamond
U+02B26		◇	◇						\mdwhtdiamond	white medium diamond
U+02B27		◆	◆						\mdblklozenge	black medium lozenge
U+02B28		◇	◇						\mdwhtlozenge	white medium lozenge
U+02B29		◆	◆						\smblkdiamond	black small diamond
U+02B2A		◆	◆						\smblklozenge	black small lozenge
U+02B2B		◇	◇						\smwhtlozenge	white small lozenge
U+02B2C		⬮	⬮						\blkhorzoval	black horizontal ellipse
U+02B2D		⬯	⬯						\whthorzoval	white horizontal ellipse
U+02B2E		⬭	⬭						\blkvertoval	black vertical ellipse
U+02B2F		⬰	⬰						\whtvertoval	white vertical ellipse
U+02B50		☆	☆		☆				\medwhitestar	white medium star
U+02B51		★	★		★				\medblackstar	black medium star
U+02B52		☆	☆		☆				\smwhitestar	white small star
U+02B53		⬠	⬟						\rightpentagonblack	black right-pointing pentagon
U+02B54		⬠	⬠						\rightpentagon	white right-pointing pentagon
U+03012		〒	〒						\postalmark	postal mark

usv	M	X	S	C	A	P	D	E	Macro	Description
U+03030		∿	∿						\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0	0	0		\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1	1	1		\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2	2	2		\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3	3	3		\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4	4	4		\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5	5	5		\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6	6	6	6	6		\Bbbsix	mathematical double-struck digit 6

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D7DF	7	7	7	7	7	7	7		\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8	8	8		\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9	9	9		\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0	0	0		\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	1	1		\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2	2		\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3	3		\msansthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4	4		\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5	5		\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6	6		\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7	7		\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8	8		\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9	9		\msansnine	mathematical sans-serif digit 9
U+1D7EC	**0**	**0**	**0**	**0**	**0**	**0**	**0**		\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	**1**	**1**	**1**	**1**	**1**	**1**	**1**		\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	**2**	**2**	**2**	**2**	**2**	**2**	**2**		\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	**3**	**3**	**3**	**3**	**3**	**3**	**3**		\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	**4**	**4**	**4**	**4**	**4**	**4**	**4**		\mbfsansfour	mathematical sans-serif bold digit 4

usv	M	X	S	C	A	P	D	E	Macro	Description
U+1D7F1	5	5	5	5	5	5	5		\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6	6		\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7	7		\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8	8		\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9	9		\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0	0		\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1	1		\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	2	2		\mtttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3	3		\mttthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4	4		\mttfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5	5		\mttfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6	6		\mttsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7	7		\mttseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8	8		\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9	9		\mttnine	mathematical monospace digit 9

12 Relation symbols, `\mathrel`

USV	M	X	S	C	A	P	D	E	Macro	Description
U+0003C	<	<	<	<	<	<	<	<	\less	less-than sign r:
U+0003D	=	=	=	=	=	=	=	=	\equal	equals sign r:
U+0003E	>	>	>	>	>	>	>	>	\greater	greater-than sign r:
U+02050		◡	◡		◡				\closure	close up
U+02190	←	←	←	←	←	←	←	←	\leftarrow[p]	/leftarrow /gets a: leftward arrow
U+02191	↑	↑	↑	↑	↑	↑	↑	↑	\uparrow[p]	upward arrow
U+02192	→	→	→	→	→	→	→	→	\rightarrow[p]	/rightarrow /to a: rightward arrow
U+02193	↓	↓	↓	↓	↓	↓	↓	↓	\downarrow[p]	downward arrow
U+02194	↔	↔	↔	↔	↔	↔	↔	↔	\leftrightarrow[p]	left and right arrow
U+02195	↕	↕	↕	↕	↕	↕	↕	↕	\updownarrow[p]	up and down arrow
U+02196	↖	↖	↖	↖	↖	↖	↖	↖	\nwarrow[p]	nw pointing arrow
U+02197	↗	↗	↗	↗	↗	↗	↗	↗	\nearrow[p]	ne pointing arrow
U+02198	↘	↘	↘	↘	↘	↘	↘	↘	\searrow[p]	se pointing arrow
U+02199	↙	↙	↙	↙	↙	↙	↙	↙	\swarrow[p]	sw pointing arrow
U+0219A	↚	↚	↚	↚	↚	↚	↚		\nleftarrow[a]	not left arrow
U+0219B	↛	↛	↛	↛	↛	↛	↛		\nrightarrow[a]	not right arrow
U+0219C		↜	↜	↜	↜				\leftwavearrow	left arrow-wavy
U+0219D		↝	↝	↝	↝				\rightwavearrow	right arrow-wavy
U+0219E	↞	↞	↞	↞	↞	↞	↞		\twoheadleftarrow[a]	left two-headed arrow
U+0219F	↟	↟	↟	↟	↟	↟	↟		\twoheaduparrow	up two-headed arrow
U+021A0	↠	↠	↠	↠	↠	↠	↠		\twoheadrightarrow[a]	right two-headed arrow

USV	M	X	S	C	A	P	D	E	Macro	Description
U+021A1	↓	↓	↓	↓	↓	↓	↓		\twoheaddownarrow	down two-headed arrow
U+021A2	↢	↢	↢	↢	↢	↢	↢		\leftarrowtail[a]	left arrow-tailed
U+021A3	↣	↣	↣	↣	↣	↣	↣		\rightarrowtail[a]	right arrow-tailed
U+021A4	↤	↤	↤	↤	↤	↤	↤	↤	\mapsfrom	maps to, leftward
U+021A5	↥	↥	↥	↥	↥	↥	↥		\mapsup	maps to, upward
U+021A6	↦	↦	↦	↦	↦	↦	↦	↦	\mapsto[p]	maps to, rightward
U+021A7	↧	↧	↧	↧	↧	↧	↧		\mapsdown	maps to, downward
U+021A9	↩	↩	↩	↩	↩	↩	↩	↩	\hookleftarrow[p]	left arrow-hooked
U+021AA	↪	↪	↪	↪	↪	↪	↪	↪	\hookrightarrow[p]	right arrow-hooked
U+021AB	↫	↫	↫	↫	↫	↫	↫		\looparrowleft[a]	left arrow-looped
U+021AC	↬	↬	↬	↬	↬	↬	↬		\looparrowright[a]	right arrow-looped
U+021AD	↭	↭	↭	↭	↭	↭	↭		\leftrightsquigarrow[a]	left and right arr-wavy
U+021AE	↮	↮	↮	↮	↮	↮	↮		\nleftrightarrow[a]	not left and right arrow
U+021AF		↯	↯	↯	↯				\downzigzagarrow	downwards zigzag arrow
U+021B0	↰	↰	↰	↰	↰	↰	↰		\Lsh[a]	/lsh a:
U+021B1	↱	↱	↱	↱	↱	↱	↱		\Rsh[a]	/rsh a:
U+021B2	↲	↲	↲	↲	↲	↲	↲		\Ldsh	left down angled arrow
U+021B3	↳	↳	↳	↳	↳	↳	↳		\Rdsh	right down angled arrow
U+021B6	↶	↶	↶	↶	↶	↶	↶		\curvearrowleft[a]	left curved arrow
U+021B7	↷	↷	↷	↷	↷	↷	↷		\curvearrowright[a]	right curved arrow
U+021BC	↼	↼	↼	↼	↼	↼	↼	↼	\leftharpoonup[p]	left harpoon-up
U+021BD	↽	↽	↽	↽	↽	↽	↽	↽	\leftharpoondown[p]	left harpoon-down

usv	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+021D3	⇓	⇓	⇓	⇓	⇓	⇓	⇓	⇓	`\Downarrow`[p]	down double arrow
U+021D4	⇔	⇔	⇔	⇔	⇔	⇔	⇔	⇔	`\Leftrightarrow`[p]	left and right double arrow
U+021D5	⇕	⇕	⇕	⇕	⇕	⇕	⇕	⇕	`\Updownarrow`[p]	up and down double arrow
U+021D6	⇖	⇖	⇖	⇖	⇖	⇖	⇖		`\Nwarrow`	nw pointing double arrow
U+021D7	⇗	⇗	⇗	⇗	⇗	⇗	⇗		`\Nearrow`	ne pointing double arrow
U+021D8	⇘	⇘	⇘	⇘	⇘	⇘	⇘		`\Searrow`	se pointing double arrow
U+021D9	⇙	⇙	⇙	⇙	⇙	⇙	⇙		`\Swarrow`	sw pointing double arrow
U+021DA	⇚	⇚	⇚	⇚	⇚	⇚	⇚		`\Lleftarrow`[a]	left triple arrow
U+021DB	⇛	⇛	⇛	⇛	⇛	⇛	⇛		`\Rrightarrow`[a]	right triple arrow
U+021DC	⇜	⇜	⇜	⇜	⇜	⇜	⇜		`\leftsquigarrow`	leftwards squiggle arrow
U+021DD	⇝	⇝	⇝	⇝	⇝	⇝	⇝		`\rightsquigarrow`[a]	rightwards squiggle arrow
U+021E4		↤	↤	↤	↤				`\barleftarrow`	leftwards arrow to bar
U+021E5		↦	↦	↦	↦				`\rightarrowbar`	rightwards arrow to bar
U+021F4		⇴	⇴	⇴	⇴				`\circleonrightarrow`	right arrow with small circle
U+021F5	⇵	⇵	⇵	⇵	⇵	⇵	⇵		`\downuparrows`	downwards arrow leftwards of upwards arrow
U+021F6	⇶	⇶	⇶	⇶	⇶	⇶	⇶		`\rightthreearrows`	three rightwards arrows
U+021F7		⇷	⇷	⇷	⇷				`\nvleftarrow`	leftwards arrow with vertical stroke
U+021F8		⇸	⇸	⇸	⇸				`\nvrightarrow`	rightwards arrow with vertical stroke
U+021F9		⇹	⇹	⇹	⇹				`\nvleftrightarrow`	left right arrow with vertical stroke

USV	M	X	S	C	A	P	D	E	Macro	Description
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:
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 (-:)

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02250	≐	≐	≐	≐	≐	≐	≐		\doteq[l]	equals, single dot above
U+02251	≑	≑	≑	≑	≑	≑	≑		\Doteq[a]	/doteqdot /doteq r: equals, even dots
U+02252	≒	≒	≒	≒	≒	≒	≒		\fallingdotseq[a]	equals, falling dots
U+02253	≓	≓	≓	≓	≓	≓	≓		\risingdotseq[a]	equals, rising dots
U+02254	≔	≔	≔	≔	≔	≔	≔		\coloneq	colon, equals
U+02255	≕	≕	≕	≕	≕	≕	≕		\eqcolon	equals, colon
U+02256	≖	≖	≖	≖	≖	≖	≖		\eqcirc[a]	circle on equals sign
U+02257	≗	≗	≗	≗	≗	≗	≗		\circeq[a]	circle, equals
U+02258	≘	≘	≘	≘	≘	≘	≘		\arceq	arc, equals; corresponds to
U+02259	≙	≙	≙	≙	≙	≙	≙		\wedgeq	corresponds to (wedge, equals)
U+0225A	≚	≚	≚	≚	≚	≚	≚		\veeeq	logical or, equals
U+0225B	≛	≛	≛	≛	≛	≛	≛		\stareq	star equals
U+0225C	≜	≜	≜	≜	≜	≜	≜		\triangleq[a]	triangle, equals
U+0225D	≝	≝	≝	≝	≝	≝	≝		\eqdef	equals by definition
U+0225E	≞	≞	≞	≞	≞	≞	≞		\measeq	measured by (m over equals)
U+0225F	≟	≟	≟	≟	≟	≟	≟		\questeq	equal with questionmark
U+02260	≠	≠	≠	≠	≠	≠	≠	≠	\ne[p]	/ne /neq r: not equal
U+02261	≡	≡	≡	≡	≡	≡	≡	≡	\equiv[p]	identical with
U+02262	≢	≢	≢	≢	≢	≢	≢	≢	\nequiv	not identical with
U+02263	≣	≣	≣	≣	≣	≣	≣	≣	\Equiv	strict equivalence (4 lines)
U+02264	≤	≤	≤	≤	≤	≤	≤	≤	\leq[p]	/leq /le r: less-than-or-equal

55

USV	M	X	S	C	A	P	D	E	Macro	Description
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
U+02278	≸	≸	≸	≸	≸	≸	≸	≸	\nlessgtr	not less, greater
U+02279	≹	≹	≹	≹	≹	≹	≹	≹	\ngtrless	not greater, less

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02292	⊒	⊒	⊒	⊒	⊒	⊒	⊒	⊒	\sqsupseteq[p]	square superset, equals
U+022A2	⊢	⊢	⊢	⊢	⊢	⊢	⊢	⊢	\vdash[p]	vertical, dash
U+022A3	⊣	⊣	⊣	⊣	⊣	⊣	⊣	⊣	\dashv[p]	dash, vertical
U+022A6	⊦	⊦	⊦	⊦	⊦	⊦	⊦		\assert	assertion (vertical, short dash)
U+022A7	⊧	⊧	⊧	⊧	⊧	⊧	⊧		\models[p]	models (vertical, short double dash)
U+022A8	⊨	⊨	⊨	⊨	⊨	⊨	⊨		\vDash[a]	vertical, double dash
U+022A9	⊩	⊩	⊩	⊩	⊩	⊩	⊩		\Vdash[a]	double vertical, dash
U+022AA	⊪	⊪	⊪	⊪	⊪	⊪	⊪		\Vvdash[a]	triple vertical, dash
U+022AB	⊫	⊫	⊫	⊫	⊫	⊫	⊫		\VDash	double vert, double dash
U+022AC	⊬	⊬	⊬	⊬	⊬	⊬	⊬		\nvdash[a]	not vertical, dash
U+022AD	⊭	⊭	⊭	⊭	⊭	⊭	⊭		\nvDash[a]	not vertical, double dash
U+022AE	⊮	⊮	⊮	⊮	⊮	⊮	⊮		\nVdash[a]	not double vertical, dash
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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 /llless 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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+022E3	⋣	⋣	⋣	⋣	⋣	⋣	⋣		`\nsqsupseteq`	not, square super-set, equals
U+022E4	⋤	⋤	⋤	⋤	⋤	⋤	⋤		`\sqsubsetneq`	square subset, not equals
U+022E5	⋥	⋥	⋥	⋥	⋥	⋥	⋥		`\sqsupsetneq`	square superset, not equals
U+022E6	⋦	⋦	⋦	⋦	⋦	⋦	⋦		`\lnsim`[a]	less, not similar
U+022E7	⋧	⋧	⋧	⋧	⋧	⋧	⋧		`\gnsim`[a]	greater, not similar
U+022E8	⋨	⋨	⋨	⋨	⋨	⋨	⋨		`\precnsim`[a]	precedes, not similar
U+022E9	⋩	⋩	⋩	⋩	⋩	⋩	⋩		`\succnsim`[a]	succeeds, not similar
U+022EA	⋪	⋪	⋪	⋪	⋪	⋪	⋪		`\nvartriangleleft`	not left triangle
U+022EB	⋫	⋫	⋫	⋫	⋫	⋫	⋫		`\nvartriangleright`	not right triangle
U+022EC	⋬	⋬	⋬	⋬	⋬	⋬	⋬		`\ntrianglelefteq`[a]	not left triangle, equals
U+022ED	⋭	⋭	⋭	⋭	⋭	⋭	⋭		`\ntrianglerighteq`[a]	not right triangle, equals
U+022EE	⋮	⋮	⋮	⋮	⋮	⋮	⋮		`\vdots`[p]	vertical ellipsis
U+022F0	⋰	⋰	⋰	⋰	⋰	⋰	⋰	⋰	`\adots`	three dots, ascending
U+022F1	⋱	⋱	⋱	⋱	⋱	⋱	⋱	⋱	`\ddots`[p]	three dots, descending
U+022F2		⋲	⋲	⋲	⋲				`\disin`	element of with long horizontal stroke
U+022F3		⋳	⋳	⋳	⋳				`\varisins`	element of with vertical bar at end of horizontal stroke
U+022F4		⋴	⋴	⋴	⋴				`\isins`	small element of with vertical bar at end of horizontal stroke
U+022F5		⋵	⋵	⋵	⋵				`\isindot`	element of with dot above
U+022F6		⋶	⋶	⋶	⋶				`\varisinobar`	element of with overbar

USV	M	X	S	C	A	P	D	E	Macro	Description
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
U+027C9		⟉	⟉		⟉				`\suphsol`	superset preceding solidus
U+027D2		⟒	⟒		⟒				`\upin`	element of opening upwards
U+027D3		⟓	⟓		⟓				`\pullback`	lower right corner with dot

USV	M	X	S	C	A	P	D	E	Macro	Description
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		⼕	⼕		⼕				\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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+027FC	↦	⟼	⟼	⟼	⟼	↦	⟼	↦	\longmapsto[p]	long rightwards arrow from bar
U+027FD	⟸	⟸	⟸	⟸	⟸	⟸	⟸	⟸	\Longmapsfrom	long leftwards double arrow from bar
U+027FE	⟹	⟹	⟹	⟹	⟹	⟹	⟹	⟹	\Longmapsto	long rightwards double arrow from bar
U+027FF	⇝	⇝	⇝	⇝	⇝	⇝	⇝		\longrightsquigarrow	long rightwards squiggle arrow
U+02900		⤀	⤀	⤀	⤀				\nvtwoheadrightarrow	rightwards two-headed arrow with vertical stroke
U+02901		⤁	⤁	⤁	⤁				\nVtwoheadrightarrow	rightwards two-headed arrow with double vertical stroke
U+02902		⇍	⇍	⇍	⇍				\nvLeftarrow	leftwards double arrow with vertical stroke
U+02903		⇏	⇏	⇏	⇏				\nvRightarrow	rightwards double arrow with vertical stroke
U+02904		⇎	⇎	⇎	⇎				\nvLeftrightarrow	left right double arrow with vertical stroke
U+02905		↠	↠	↠	↠				\twoheadmapsto	rightwards two-headed arrow from bar
U+02906	⬰	⬰	⬰	⬰	⬰	⬰	⬰		\Mapsfrom	leftwards double arrow from bar
U+02907	⤇	⤇	⤇	⤇	⤇	⤇	⤇		\Mapsto	rightwards double arrow from bar
U+02908		↧	↧	↧	↧				\downarrowbarred	downwards arrow with horizontal stroke
U+02909		↥	↥	↥	↥				\uparrowbarred	upwards arrow with horizontal stroke
U+0290A		⤊	⤊	⤊	⤊				\Uuparrow	upwards triple arrow
U+0290B		⤋	⤋	⤋	⤋				\Ddownarrow	downwards triple arrow

USV	M	X	S	C	A	P	D	E	Macro	Description
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

usv	M	X	S	C	A	P	D	E	Macro	Description
U+0291D		←•	←•	←•	◆←				\diamondleftarrow	leftwards arrow to black diamond
U+0291E		→•	→•	→•	→◆				\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		•←⊣	•←⊣	•←⊣	◆←⊣				\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		⊢→•	⊢→•	⊢→•	⊢→◆				\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921		⬊	⬊	⬊	⬊				\nwsearrow	north west and south east arrow
U+02922		⬈	⬈	⬈	⬈				\neswarrow	north east and south west arrow
U+02923		⤣	⤣	⤣	⤣				\hknwarrow	north west arrow with hook
U+02924		⤤	⤤	⤤	⤤				\hknearrow	north east arrow with hook
U+02925		⤥	⤥	⤥	⤥				\hksearrow	south east arrow with hook
U+02926		⤦	⤦	⤦	⤦				\hkswarrow	south west arrow with hook
U+02927		⤧	⤧	⤧	⤧				\tona	north west arrow and north east arrow
U+02928		⤨	⤨	⤨	⤨				\toea	north east arrow and south east arrow
U+02929		⤩	⤩	⤩	⤩				\tosa	south east arrow and south west arrow
U+0292A		⤪	⤪	⤪	⤪				\towa	south west arrow and north west arrow
U+02933		⤳	⤳	⤳	⤳				\rightcurvedarrow	wave arrow pointing directly right
U+02936		⤶	⤶	⤶	⤶				\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
U+02937		⤷	⤷	⤷	⤷				\rightdowncurvedarrow	arrow pointing downwards then curving rightwards

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02938		⤸	⤸	⤸	⤸				\cwrightarcarrow	right-side arc clockwise arrow
U+02939		⤹	⤹	⤹	⤹				\acwleftarcarrow	left-side arc anti-clockwise arrow
U+0293A		⤺	⤺	⤺	⤺				\acwoverarcarrow	top arc anticlock-wise arrow
U+0293B		⤻	⤻	⤻	⤻				\acwunderarcarrow	bottom arc anti-clockwise arrow
U+0293C		⤼	⤼	⤼	⤼				\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D		⤽	⤽	⤽	⤽				\curvearrowleftplus	top arc anticlock-wise arrow with plus
U+0293E		⤾	⤾	⤾	⤾				\cwundercurvearrow	lower right semi-circular clockwise arrow
U+0293F		⤿	⤿	⤿	⤿				\ccwundercurvearrow	lower left semicir-cular anticlockwise arrow
U+02940		⥀	⥀	⥀	⥀				\acwcirclearrow	anticlockwise closed circle arrow
U+02941		⥁	⥁	⥁	⥁				\cwcirclearrow	clockwise closed circle arrow
U+02942		⥂	⥂	⥂	⥂				\rightarrowshortleftarrow	rightwards ar-row above short leftwards arrow
U+02943		⥃	⥃	⥃	⥃				\leftarrowshortrightarrow	leftwards arrow above short right-wards arrow
U+02944		⥄	⥄	⥄	⥄				\shortrightarrowleftarrow	short rightwards arrow above left-wards arrow
U+02945		⥅	⥅	⥅	⥅				\rightarrowplus	rightwards arrow with plus below
U+02946		⥆	⥆	⥆	⥆				\leftarrowplus	leftwards arrow with plus below
U+02947		⥇	⥇	⥇	⥇				\rightarrowx	rightwards arrow through x
U+02948		⥈	⥈	⥈	⥈				\leftrightarrowcircle	left right arrow through small circle

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02959		↓	↓	↓	↓				\downharpoonleftbar	downwards harpoon with barb left to bar
U+0295A		↤	↤	↤	↤				\leftharpoonupbar	leftwards harpoon with barb up from bar
U+0295B		↦	↦	↦	↦				\barrightharpoonup	rightwards harpoon with barb up from bar
U+0295C		↑	↑	↑	↑				\upharpoonrightbar	upwards harpoon with barb right from bar
U+0295D		↧	↧	↧	↧				\bardownharpoonright	downwards harpoon with barb right from bar
U+0295E		↤	↤	↤	↤				\leftharpoondownbar	leftwards harpoon with barb down from bar
U+0295F		↦	↦	↦	↦				\barrightharpoondown	rightwards harpoon with barb down from bar
U+02960		↥	↥	↥	↥				\upharpoonleftbar	upwards harpoon with barb left from bar
U+02961		↧	↧	↧	↧				\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		⇐	⇐	⇐	⇐				\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⇑	⇑	⇑	⇑				\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⇒	⇒	⇒	⇒				\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⇓	⇓	⇓	⇓				\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right

USV	M	X	S	C	A	P	D	E	Macro	Description
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

usv	M	X	S	C	A	P	D	E	Macro	Description
U+02973		↜	↜	↜	↜				\leftarrowsimilar	leftwards arrow above tilde operator
U+02974		⇝	⇝	⇝	⇝				\rightarrowsimilar	rightwards arrow above tilde operator
U+02975		⇝	⇝	⇝	⇝				\rightarrowapprox	rightwards arrow above almost equal to
U+02976		≲	≲	≲	≲				\ltlarr	less-than above leftwards arrow
U+02977		⥷	⥷	⥷	⥷				\leftarrowless	leftwards arrow through less-than
U+02978		≳	≳	≳	≳				\gtrarr	greater-than above rightwards arrow
U+02979		⥹	⥹	⥹	⥹				\subrarr	subset above rightwards arrow
U+0297A		⥺	⥺	⥺	⥺				\leftarrowsubset	leftwards arrow through subset
U+0297B		⥻	⥻	⥻	⥻				\suplarr	superset above leftwards arrow
U+0297C		↼	↼	↼	⥼				\leftfishtail	left fish tail
U+0297D		⇁	⇁	⇁	⥽				\rightfishtail	right fish tail
U+0297E		⥾	⥾	⥾	⥾				\upfishtail	up fish tail
U+0297F		⥿	⥿	⥿	⥿				\downfishtail	down fish tail
U+029CE		⧎	⧎		⧎				\rtriltri	right triangle above left triangle
U+029CF		⧏	⧏		⧏				\ltrivb	left triangle beside vertical bar
U+029D0		⧐	⧐		⧐				\vbrtri	vertical bar beside right triangle
U+029D1		⧑	⧑		⧑				\lfbowtie	left black bowtie
U+029D2		⧒	⧒		⧒				\rfbowtie	right black bowtie
U+029D3		⧓	⧓		⧓				\fbowtie	black bowtie
U+029D4		⧔	⧔		⧔				\lftimes	left black times

usv	M	X	S	C	A	P	D	E	Macro	Description
U+029D5		⋈	⋈		⋈				\rftimes	right black times
U+029DF		○—○	○—○		○—○				\dualmap	double-ended multimap
U+029E1		⧡	⧡		⧡				\lrtriangleeq	increases as
U+029E3		⧣	⧣		⧣				\eparsl	equals sign and slanted parallel
U+029E4		⧤	⧤		⧤				\smeparsl	equals sign and slanted parallel with tilde above
U+029E5		⧥	⧥		⧥				\eqvparsl	identical to and slanted parallel
U+029E6		⧦	⧦		⧦				\gleichstark	gleich stark
U+029F4		⧴	⧴		⧴				\ruledelayed	rule-delayed
U+02A59		⩙	⩙		⩙				\veeonwedge	logical or overlapping logical and
U+02A66		⩦	⩦		⩦				\eqdot	equals sign with dot below
U+02A67		⩧	⩧		⩧				\dotequiv	identical with dot above
U+02A68		⩨	⩨		⩨				\equivVert	triple horizontal bar with double vertical stroke
U+02A69		⩩	⩩		⩩				\equivVvert	triple horizontal bar with triple vertical stroke
U+02A6A		⩪	⩪		⩪				\dotsim	tilde operator with dot above
U+02A6B		⩫	⩫		⩫				\simrdots	tilde operator with rising dots
U+02A6C		⩬	⩬		⩬				\simminussim	similar minus similar
U+02A6D		⩭	⩭		⩭				\congdot	congruent with dot above
U+02A6E		⩮	⩮		⩮				\asteq	equals with asterisk

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A6F		≊̂	≊̂		≊̂				\hatapprox	almost equal to with circumflex accent
U+02A70		≊	≊		≊				\approxeqq	approximately equal or equal to
U+02A73		≋	≋		≋				\eqqsim	equals sign above tilde operator
U+02A74		⩴	⩴		⩴				\Coloneq	double colon equal
U+02A75		⩵	⩵		⩵				\eqeq	two consecutive equals signs
U+02A76		⩶	⩶		⩶				\eqeqeq	three consecutive equals signs
U+02A77		⩷	⩷		⩷				\ddotseq	equals sign with two dots above and two dots below
U+02A78		⩸	⩸		⩸				\equivDD	equivalent with four dots above
U+02A79		⩹	⩹		⩹				\ltcir	less-than with circle inside
U+02A7A		⩺	⩺		⩺				\gtcir	greater-than with circle inside
U+02A7B		⩻	⩻		⩻				\ltquest	less-than with question mark above
U+02A7C		⩼	⩼		⩼				\gtquest	greater-than with question mark above
U+02A7D	⩽	⩽	⩽		⩽	⩽	⩽		\leqslant[a]	less-than or slanted equal to
U+02A7E	⩾	⩾	⩾		⩾	⩾	⩾		\geqslant[a]	greater-than or slanted equal to
U+02A7F		⩿	⩿		⩿				\lesdot	less-than or slanted equal to with dot inside
U+02A80		⪀	⪀		⪀				\gesdot	greater-than or slanted equal to with dot inside
U+02A81		⪁	⪁		⪁				\lesdoto	less-than or slanted equal to with dot above

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A82		⩂	⩂		⩂				`\gesdoto`	greater-than or slanted equal to with dot above
U+02A83		⩃	⩃		⩃				`\lesdotor`	less-than or slanted equal to with dot above right
U+02A84		⩄	⩄		⩄				`\gesdotol`	greater-than or slanted equal to with dot above left
U+02A85	⪅	⪅	⪅		⪅	⪅	⪅		`\lessapprox`[a]	less-than or approximate
U+02A86	⪆	⪆	⪆		⪆	⪆	⪆		`\gtrapprox`[a]	greater-than or approximate
U+02A87	⪇	⪇	⪇		⪇	⪇	⪇		`\lneq`[a]	less-than and single-line not equal to
U+02A88	⪈	⪈	⪈		⪈	⪈	⪈		`\gneq`[a]	greater-than and single-line not equal to
U+02A89	⪉	⪉	⪉		⪉	⪉	⪉		`\lnapprox`[a]	less-than and not approximate
U+02A8A	⪊	⪊	⪊		⪊	⪊	⪊		`\gnapprox`[a]	greater-than and not approximate
U+02A8B	⪋	⪋	⪋		⪋	⪋	⪋		`\lesseqqgtr`[a]	less-than above double-line equal above greater-than
U+02A8C	⪌	⪌	⪌		⪌	⪌	⪌		`\gtreqqless`[a]	greater-than above double-line equal above less-than
U+02A8D		⪍	⪍		⪍				`\lsime`	less-than above similar or equal
U+02A8E		⪎	⪎		⪎				`\gsime`	greater-than above similar or equal
U+02A8F		⪏	⪏		⪏				`\lsimg`	less-than above similar above greater-than
U+02A90		⪐	⪐		⪐				`\gsiml`	greater-than above similar above less-than
U+02A91		⪑	⪑		⪑				`\lgE`	less-than above greater-than above double-line equal

73

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02A92		⋛	⋛		⋛				\glE	greater-than above less-than above double-line equal
U+02A93		⋚	⋚		⋚				\lesges	less-than above slanted equal above greater-than above slanted equal
U+02A94		⋛	⋛		⋛				\gesles	greater-than above slanted equal above less-than above slanted equal
U+02A95	⩕	⩕	⩕		⩕	⩕	⩕		\eqslantless[a]	slanted equal to or less-than
U+02A96	⩖	⩖	⩖		⩖	⩖	⩖		\eqslantgtr[a]	slanted equal to or greater-than
U+02A97		⩗	⩗		⩗				\elsdot	slanted equal to or less-than with dot inside
U+02A98		⩘	⩘		⩘				\egsdot	slanted equal to or greater-than with dot inside
U+02A99		⩙	⩙		⩙				\eqqless	double-line equal to or less-than
U+02A9A		⩚	⩚		⩚				\eqqgtr	double-line equal to or greater-than
U+02A9B		⩛	⩛		⩛				\eqqslantless	double-line slanted equal to or less-than
U+02A9C		⩜	⩜		⩜				\eqqslantgtr	double-line slanted equal to or greater-than
U+02A9D		⩝	⩝		⩝				\simless	similar or less-than
U+02A9E		⩞	⩞		⩞				\simgtr	similar or greater-than
U+02A9F		⩟	⩟		⩟				\simlE	similar above less-than above equals sign
U+02AA0		⪠	⪠		⪠				\simgE	similar above greater-than above equals sign
U+02AA1		⪡	⪡		⪡				\Lt	double nested less-than

74

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02AB4		⪴	⪴		⪴				\succeqq	succeeds above equals sign
U+02AB5		⪵	⪵		⪵				\precneqq[a]	precedes above not equal to
U+02AB6		⪶	⪶		⪶				\succneqq[a]	succeeds above not equal to
U+02AB7		⪷	⪷		⪷				\precapprox[a]	precedes above almost equal to
U+02AB8		⪸	⪸		⪸				\succapprox[a]	succeeds above almost equal to
U+02AB9		⪹	⪹		⪹				\precnapprox[a]	precedes above not almost equal to
U+02ABA		⪺	⪺		⪺				\succnapprox[a]	succeeds above not almost equal to
U+02ABB		⪻	⪻		⪻				\Prec	double precedes
U+02ABC		⪼	⪼		⪼				\Succ	double succeeds
U+02ABD		⪽	⪽		⪽				\subsetdot	subset with dot
U+02ABE		⪾	⪾		⪾				\supsetdot	superset with dot
U+02ABF		⪿	⪿		⪿				\subsetplus	subset with plus sign below
U+02AC0		⫀	⫀		⫀				\supsetplus	superset with plus sign below
U+02AC1		⫁	⫁		⫁				\submult	subset with multiplication sign below
U+02AC2		⫂	⫂		⫂				\supmult	superset with multiplication sign below
U+02AC3		⫃	⫃		⫃				\subedot	subset of or equal to with dot above
U+02AC4		⫄	⫄		⫄				\supedot	superset of or equal to with dot above
U+02AC5		⫅	⫅		⫅				\subseteqq[a]	subset of above equals sign
U+02AC6		⫆	⫆		⫆				\supseteqq[a]	superset of above equals sign

USV	M	X	S	C	A	P	D	E	Macro	Description
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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02ADA		⫚	⫚		⫚				\topfork	pitchfork with tee top
U+02ADB		⫛	⫛		⫛				\mlcp	transversal inter-section
U+02ADC		⫝̸	⫝̸		⫝̸				\forks	forking
U+02ADD		⫝	⫝		⫝				\forksnot	nonforking
U+02ADE		⊣	⊣		⊣				\shortlefttack	short left tack
U+02ADF		⫟	⫟		⫟				\shortdowntack	short down tack
U+02AE0		⫠	⫠		⫠				\shortuptack	short up tack
U+02AE2		⊨	⊨		⊨				\vDdash	vertical bar triple right turnstile
U+02AE3		⫣	⫣		⫣				\dashV	double vertical bar left turnstile
U+02AE4		⫤	⫤		⫤				\Dashv	vertical bar double left turnstile
U+02AE5		⫥	⫥		⫥				\DashV	double vertical bar double left turnstile
U+02AE6		⫦	⫦		⫦				\varVdash	long dash from left member of double vertical
U+02AE7		⫧	⫧		⫧				\Barv	short down tack with overbar
U+02AE8		⫨	⫨		⫨				\vBar	short up tack with underbar
U+02AE9		⫩	⫩		⫩				\vBarv	short up tack above short down tack
U+02AEA		⫪	⫪		⫪				\barV	double down tack
U+02AEB		⫫	⫫		⫫				\Vbar	double up tack
U+02AEC		⫬	⫬		⫬				\Not	double stroke not sign
U+02AED		⫭	⫭		⫭				\bNot	reversed double stroke not sign
U+02AEE		⫮	⫮		⫮				\revnmid	does not divide with reversed negation slash

usv	M	X	S	C	A	P	D	E	Macro	Description
U+02AEF		↻	↻		↻				\cirmid	vertical line with circle above
U+02AF0		↻	↻		↻				\midcir	vertical line with circle below
U+02AF2		∦	∦		∦				\nhpar	parallel with horizontal stroke
U+02AF3		∦	∦		∦				\parsim	parallel with tilde operator
U+02AF7		⋘	⋘		⋘				\lllnest	stacked very much less-than
U+02AF8		⋙	⋙		⋙				\gggnest	stacked very much greater-than
U+02AF9		≦	≦		≦				\leqqslant	double-line slanted less-than or equal to
U+02AFA		≧	≧		≧				\geqqslant	double-line slanted greater-than or equal to
U+02B30		⬰	⬰		⬰				\circleonleftarrow	left arrow with small circle
U+02B31	⇚	⇚	⇚		⇚	⇚	⇚		\leftthreearrows	three leftwards arrows
U+02B32		⬲	⬲		⬲				\leftarrowonoplus	left arrow with circled plus
U+02B33	⬳	⬳	⬳		⬳	⬳	⬳		\longleftsquigarrow	long leftwards squiggle arrow
U+02B34		⬴	⬴		⬴				\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke
U+02B35		⬵	⬵		⬵				\nVtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
U+02B36		⬶	⬶		⬶				\twoheadmapsfrom	leftwards two-headed arrow from bar
U+02B37		⬷	⬷		⬷				\twoheadleftdbkarrow	leftwards two-headed triple-dash arrow
U+02B38		⬸	⬸		⬸				\leftdotarrow	leftwards arrow with dotted stem

79

USV	M	X	S	C	A	P	D	E	Macro	Description
U+02B39		↢	↢		↢				\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A		↢	↢		↢				\nVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B		↢	↢		↢				\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C		↢	↢		↢				\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		↢	↢		↢				\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↤	↤		↤				\leftarrowx	leftwards arrow through x
U+02B3F		↼	↼		↼				\leftcurvedarrow	wave arrow pointing directly left
U+02B40		⇐	⇐		⇐				\equalleftarrow	equals sign above leftwards arrow
U+02B41		⇐	⇐		⇐				\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42		⇚	⇚		⇚				\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43		⇀	⇀		⇀				\rightarrowgtr	rightwards arrow through greater-than
U+02B44		⇁	⇁		⇁				\rightarrowsupset	rightwards arrow through subset
U+02B45		⇚	⇚		⇚				\LLeftarrow	leftwards quadruple arrow
U+02B46		⇛	⇛		⇛				\RRightarrow	rightwards quadruple arrow
U+02B47		⇀	⇀		⇀				\bsimilarrightarrow	reverse tilde operator above rightwards arrow
U+02B48		⇛	⇛		⇛				\rightarrowbackapprox	rightwards arrow above reverse almost equal to

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

13 Alphabetical symbols, \mathalpha

13.1 Normal weight

13.1.1 Upright Greek, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+00391	A	A	A	A	A	A	A	A	\mupAlpha	capital alpha, greek
U+00392	B	B	B	B	B	B	B	B	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
U+00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	E	E	E	E	E	E	E	E	\mupEpsilon	capital epsilon, greek
U+00396	Z	Z	Z	Z	Z	Z	Z	Z	\mupZeta	capital zeta, greek
U+00397	H	H	H	H	H	H	H	H	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	I	I	I	I	I	I	I	I	\mupIota	capital iota, greek
U+0039A	K	K	K	K	K	K	K	K	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	M	M	M	M	M	M	M	M	\mupMu	capital mu, greek
U+0039D	N	N	N	N	N	N	N	N	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	O	O	O	O	O	O	O	O	\mupOmicron	capital omicron, greek
U+003A0	Π	Π	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	P	P	P	P	P	P	P	P	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	T	T	T	T	T	T	T	T	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	X	X	X	X	X	X	X	X	\mupChi	capital chi, greek

USV	M	X	S	C	A	P	D	E	Macro	Description
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

13.1.2 Upright Greek, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+003B1	α	α	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	β	β	\mupbeta	small beta, greek
U+003B3	γ	γ	γ	γ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	δ	δ	\mupdelta	small delta, greek
U+003B5	ε	ε	ε	ε	ε	ε	ε	ε	\mupvarepsilon	rounded small varepsilon , greek
U+003B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
U+003B7	η	η	η	η	η	η	η	η	\mupeta	small eta, greek
U+003B8	θ	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
U+003B9	ι	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+003BA	κ	κ	κ	κ	κ	κ	κ	κ	\mupkappa	small kappa, greek
U+003BB	λ	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+003BD	ν	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+003BF	ο	ο	ο	ο	ο	ο	ο	ο	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	π	π	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς	ς		\mupvarsigma	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek

USV	M	X	S	C	A	P	D	E	Macro	Description
U+003C4	τ	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvartheta	/vartheta - curly or open theta
U+003D5	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mupphi	/straightphi - small phi, greek
U+003D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mupvarpi	rounded small pi (pomega), greek
U+003DC		Ϝ	Ϝ	Ϝ	Ϝ				\upDigamma	capital digamma
U+003DD		ϝ	ϝ	ϝ	ϝ				\updigamma	old greek small letter digamma
U+003F0	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ		\mupvarkappa	rounded small kappa, greek
U+003F1	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\mupvarrho	rounded small rho, greek
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ	Θ		\mupvarTheta	greek capital theta symbol
U+003F5	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mupepsilon	greek lunate varepsilon symbol

13.1.3   Italic, Latin, uppercase

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.1.4   Italic, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D44E	*a*	*a*	*a*	*a*	*a*	*a*	*a*		\mita	mathematical italic small a

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D44F	b	b	b	b	b	b	b		\mitb	mathematical italic small b
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

13.1.5 Italic Greek, uppercase

USV	M	X	S	C	A	P	D	E	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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.1.6 Italic Greek, lowercase

USV	M	X	S	C	A	P	D	E	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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$		\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

13.1.7 Script, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D49C	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	\mscrA	mathematical script capital a
U+1D49E	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	\mscrC	mathematical script capital c
U+1D49F	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	\mscrD	mathematical script capital d
U+1D4A2	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	$\mathcal{G}$	\mscrG	mathematical script capital g
U+1D4A5	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	$\mathcal{J}$	\mscrJ	mathematical script capital j
U+1D4A6	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	$\mathcal{K}$	\mscrK	mathematical script capital k
U+1D4A9	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{N}$	\mscrN	mathematical script capital n
U+1D4AA	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	$\mathcal{O}$	\mscrO	mathematical script capital o

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4AB	𝒫	𝒫	𝒫	𝒫	𝒫	𝒫	𝒫	𝒫	\mscrP	mathematical script capital p
U+1D4AC	𝒬	𝒬	𝒬	𝒬	𝒬	𝒬	𝒬	𝒬	\mscrQ	mathematical script capital q
U+1D4AE	𝒮	𝒮	𝒮	𝒮	𝒮	𝒮	𝒮	𝒮	\mscrS	mathematical script capital s
U+1D4AF	𝒯	𝒯	𝒯	𝒯	𝒯	𝒯	𝒯	𝒯	\mscrT	mathematical script capital t
U+1D4B0	𝒰	𝒰	𝒰	𝒰	𝒰	𝒰	𝒰	𝒰	\mscrU	mathematical script capital u
U+1D4B1	𝒱	𝒱	𝒱	𝒱	𝒱	𝒱	𝒱	𝒱	\mscrV	mathematical script capital v
U+1D4B2	𝒲	𝒲	𝒲	𝒲	𝒲	𝒲	𝒲	𝒲	\mscrW	mathematical script capital w
U+1D4B3	𝒳	𝒳	𝒳	𝒳	𝒳	𝒳	𝒳	𝒳	\mscrX	mathematical script capital x
U+1D4B4	𝒴	𝒴	𝒴	𝒴	𝒴	𝒴	𝒴	𝒴	\mscrY	mathematical script capital y
U+1D4B5	𝒵	𝒵	𝒵	𝒵	𝒵	𝒵	𝒵	𝒵	\mscrZ	mathematical script capital z

13.1.8 Script, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4B6		𝒶	𝒶	𝒶	𝒶	𝒶	𝒶		\mscra	mathematical script small a
U+1D4B7		𝒷	𝒷	𝒷	𝒷	𝒷	𝒷		\mscrb	mathematical script small b
U+1D4B8		𝒸	𝒸	𝒸	𝒸	𝒸	𝒸		\mscrc	mathematical script small c
U+1D4B9		𝒹	𝒹	𝒹	𝒹	𝒹	𝒹		\mscrd	mathematical script small d
U+1D4BB		𝒻	𝒻	𝒻	𝒻	𝒻	𝒻		\mscrf	mathematical script small f
U+1D4BD		𝒽	𝒽	𝒽	𝒽	𝒽	𝒽		\mscrh	mathematical script small h
U+1D4BE		𝒾	𝒾	𝒾	𝒾	𝒾	𝒾		\mscri	mathematical script small i
U+1D4BF		𝒿	𝒿	𝒿	𝒿	𝒿	𝒿		\mscrj	mathematical script small j
U+1D4C0		𝓀	𝓀	𝓀	𝓀	𝓀	𝓀		\mscrk	mathematical script small k
U+1D4C1		𝓁	𝓁	𝓁	𝓁	𝓁	𝓁		\mscrl	mathematical script small l
U+1D4C2		𝓂	𝓂	𝓂	𝓂	𝓂	𝓂		\mscrm	mathematical script small m

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4C3		n	n	n	n	n	n		\mscrn	mathematical script small n
U+1D4C5		p	p	p	p	p	p		\mscrp	mathematical script small p
U+1D4C6		q	q	q	q	q	q		\mscrq	mathematical script small q
U+1D4C7		r	r	r	r	r	r		\mscrr	mathematical script small r
U+1D4C8		s	s	s	s	s	s		\mscrs	mathematical script small s
U+1D4C9		t	t	t	t	t	t		\mscrt	mathematical script small t
U+1D4CA		u	u	u	u	u	u		\mscru	mathematical script small u
U+1D4CB		v	v	v	v	v	v		\mscrv	mathematical script small v
U+1D4CC		w	w	w	w	w	w		\mscrw	mathematical script small w
U+1D4CD		x	x	x	x	x	x		\mscrx	mathematical script small x
U+1D4CE		y	y	y	y	y	y		\mscry	mathematical script small y
U+1D4CF		z	z	z	z	z	z		\mscrz	mathematical script small z

13.1.9 Fraktur, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D504	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	\mfrakA	mathematical fraktur capital a
U+1D505	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	\mfrakB	mathematical fraktur capital b
U+1D507	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	$\mathfrak{D}$	\mfrakD	mathematical fraktur capital d
U+1D508	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	$\mathfrak{E}$	\mfrakE	mathematical fraktur capital e
U+1D509	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	$\mathfrak{F}$	\mfrakF	mathematical fraktur capital f
U+1D50A	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	$\mathfrak{G}$	\mfrakG	mathematical fraktur capital g
U+1D50D	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	$\mathfrak{J}$	\mfrakJ	mathematical fraktur capital j
U+1D50E	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	$\mathfrak{K}$	\mfrakK	mathematical fraktur capital k
U+1D50F	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	\mfrakL	mathematical fraktur capital l

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D510	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	\mfrakM	mathematical fraktur capital m
U+1D511	𝔑	𝔑	𝔑	𝔑	𝔑	𝔑	𝔑	𝔑	\mfrakN	mathematical fraktur capital n
U+1D512	𝔒	𝔒	𝔒	𝔒	𝔒	𝔒	𝔒	𝔒	\mfrakO	mathematical fraktur capital o
U+1D513	𝔓	𝔓	𝔓	𝔓	𝔓	𝔓	𝔓	𝔓	\mfrakP	mathematical fraktur capital p
U+1D514	𝔔	𝔔	𝔔	𝔔	𝔔	𝔔	𝔔	𝔔	\mfrakQ	mathematical fraktur capital q
U+1D516	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	\mfrakS	mathematical fraktur capital s
U+1D517	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfrakT	mathematical fraktur capital t
U+1D518	𝔘	𝔘	𝔘	𝔘	𝔘	𝔘	𝔘	𝔘	\mfrakU	mathematical fraktur capital u
U+1D519	𝔙	𝔙	𝔙	𝔙	𝔙	𝔙	𝔙	𝔙	\mfrakV	mathematical fraktur capital v
U+1D51A	𝔚	𝔚	𝔚	𝔚	𝔚	𝔚	𝔚	𝔚	\mfrakW	mathematical fraktur capital w
U+1D51B	𝔛	𝔛	𝔛	𝔛	𝔛	𝔛	𝔛	𝔛	\mfrakX	mathematical fraktur capital x
U+1D51C	𝔜	𝔜	𝔜	𝔜	𝔜	𝔜	𝔜	𝔜	\mfrakY	mathematical fraktur capital y

13.1.10 Fraktur, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	\mfrakb	mathematical fraktur small b
U+1D520	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	\mfrakc	mathematical fraktur small c
U+1D521	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	\mfrakd	mathematical fraktur small d
U+1D522	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	\mfrake	mathematical fraktur small e
U+1D523	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	\mfrakf	mathematical fraktur small f
U+1D524	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	\mfrakg	mathematical fraktur small g
U+1D525	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	\mfrakh	mathematical fraktur small h
U+1D526	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	\mfraki	mathematical fraktur small i

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D527	j	j	j	j	j	j	j	j	\mfrakj	mathematical fraktur small j
U+1D528	k	k	k	k	k	k	k	k	\mfrakk	mathematical fraktur small k
U+1D529	l	l	l	l	l	l	l	l	\mfrakl	mathematical fraktur small l
U+1D52A	m	m	m	m	m	m	m	m	\mfrakm	mathematical fraktur small m
U+1D52B	n	n	n	n	n	n	n	n	\mfrakn	mathematical fraktur small n
U+1D52C	o	o	o	o	o	o	o	o	\mfrako	mathematical fraktur small o
U+1D52D	p	p	p	p	p	p	p	p	\mfrakp	mathematical fraktur small p
U+1D52E	q	q	q	q	q	q	q	q	\mfrakq	mathematical fraktur small q
U+1D52F	r	r	r	r	r	r	r	r	\mfrakr	mathematical fraktur small r
U+1D530	s	s	s	s	s	s	s	s	\mfraks	mathematical fraktur small s
U+1D531	t	t	t	t	t	t	t	t	\mfrakt	mathematical fraktur small t
U+1D532	u	u	u	u	u	u	u	u	\mfraku	mathematical fraktur small u
U+1D533	v	v	v	v	v	v	v	v	\mfrakv	mathematical fraktur small v
U+1D534	w	w	w	w	w	w	w	w	\mfrakw	mathematical fraktur small w
U+1D535	x	x	x	x	x	x	x	x	\mfrakx	mathematical fraktur small x
U+1D536	y	y	y	y	y	y	y	y	\mfraky	mathematical fraktur small y
U+1D537	z	z	z	z	z	z	z	z	\mfrakz	mathematical fraktur small z

13.1.11 Blackboard, Latin, uppercase

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.1.12 Blackboard, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D552	𝕒	𝕒	𝕒	𝕒	𝕒	𝕒	𝕒		\Bbba	mathematical double-struck small a
U+1D553	𝕓	𝕓	𝕓	𝕓	𝕓	𝕓	𝕓		\Bbbb	mathematical double-struck small b
U+1D554	𝕔	𝕔	𝕔	𝕔	𝕔	𝕔	𝕔		\Bbbc	mathematical double-struck small c
U+1D555	𝕕	𝕕	𝕕	𝕕	𝕕	𝕕	𝕕		\Bbbd	mathematical double-struck small d
U+1D556	𝕖	𝕖	𝕖	𝕖	𝕖	𝕖	𝕖		\Bbbe	mathematical double-struck small e
U+1D557	𝕗	𝕗	𝕗	𝕗	𝕗	𝕗	𝕗		\Bbbf	mathematical double-struck small f

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

13.1.13 Sans serif, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5A0	A	A	A	A	A	A	A		\msansA	mathematical sans-serif capital a

95

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5B9	Z	Z	Z	Z	Z	Z	Z		\msansZ	mathematical sans-serif capital z

13.1.14 Sans serif, Latin, lowercase

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5CE	u	u	u	u	u	u	u		\msansu	mathematical sans-serif small u
U+1D5CF	v	v	v	v	v	v	v		\msansv	mathematical sans-serif small v
U+1D5D0	w	w	w	w	w	w	w		\msansw	mathematical sans-serif small w
U+1D5D1	x	x	x	x	x	x	x		\msansx	mathematical sans-serif small x
U+1D5D2	y	y	y	y	y	y	y		\msansy	mathematical sans-serif small y
U+1D5D3	z	z	z	z	z	z	z		\msansz	mathematical sans-serif small z

13.1.15 Italic sans serif, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D608	A	A	A	A	A	A	A		\mitsansA	mathematical sans-serif italic capital a
U+1D609	B	B	B	B	B	B	B		\mitsansB	mathematical sans-serif italic capital b
U+1D60A	C	C	C	C	C	C	C		\mitsansC	mathematical sans-serif italic capital c
U+1D60B	D	D	D	D	D	D	D		\mitsansD	mathematical sans-serif italic capital d
U+1D60C	E	E	E	E	E	E	E		\mitsansE	mathematical sans-serif italic capital e
U+1D60D	F	F	F	F	F	F	F		\mitsansF	mathematical sans-serif italic capital f
U+1D60E	G	G	G	G	G	G	G		\mitsansG	mathematical sans-serif italic capital g
U+1D60F	H	H	H	H	H	H	H		\mitsansH	mathematical sans-serif italic capital h
U+1D610	I	I	I	I	I	I	I		\mitsansI	mathematical sans-serif italic capital i
U+1D611	J	J	J	J	J	J	J		\mitsansJ	mathematical sans-serif italic capital j
U+1D612	K	K	K	K	K	K	K		\mitsansK	mathematical sans-serif italic capital k
U+1D613	L	L	L	L	L	L	L		\mitsansL	mathematical sans-serif italic capital l
U+1D614	M	M	M	M	M	M	M		\mitsansM	mathematical sans-serif italic capital m
U+1D615	N	N	N	N	N	N	N		\mitsansN	mathematical sans-serif italic capital n
U+1D616	O	O	O	O	O	O	O		\mitsansO	mathematical sans-serif italic capital o

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D617	*P*	*P*	*P*	*P*	*P*	*P*	*P*		\mitsansP	mathematical sans-serif italic capital p
U+1D618	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*		\mitsansQ	mathematical sans-serif italic capital q
U+1D619	*R*	*R*	*R*	*R*	*R*	*R*	*R*		\mitsansR	mathematical sans-serif italic capital r
U+1D61A	*S*	*S*	*S*	*S*	*S*	*S*	*S*		\mitsansS	mathematical sans-serif italic capital s
U+1D61B	*T*	*T*	*T*	*T*	*T*	*T*	*T*		\mitsansT	mathematical sans-serif italic capital t
U+1D61C	*U*	*U*	*U*	*U*	*U*	*U*	*U*		\mitsansU	mathematical sans-serif italic capital u
U+1D61D	*V*	*V*	*V*	*V*	*V*	*V*	*V*		\mitsansV	mathematical sans-serif italic capital v
U+1D61E	*W*	*W*	*W*	*W*	*W*	*W*	*W*		\mitsansW	mathematical sans-serif italic capital w
U+1D61F	*X*	*X*	*X*	*X*	*X*	*X*	*X*		\mitsansX	mathematical sans-serif italic capital x
U+1D620	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*		\mitsansY	mathematical sans-serif italic capital y
U+1D621	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*		\mitsansZ	mathematical sans-serif italic capital z

13.1.16 Italic sans serif, Latin, lowercase

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D62C	k	k	k	k	k	k	k		\mitsansk	mathematical sans-serif italic small k
U+1D62D	l	l	l	l	l	l	l		\mitsansl	mathematical sans-serif italic small l
U+1D62E	m	m	m	m	m	m	m		\mitsansm	mathematical sans-serif italic small m
U+1D62F	n	n	n	n	n	n	n		\mitsansn	mathematical sans-serif italic small n
U+1D630	o	o	o	o	o	o	o		\mitsanso	mathematical sans-serif italic small o
U+1D631	p	p	p	p	p	p	p		\mitsansp	mathematical sans-serif italic small p
U+1D632	q	q	q	q	q	q	q		\mitsansq	mathematical sans-serif italic small q
U+1D633	r	r	r	r	r	r	r		\mitsansr	mathematical sans-serif italic small r
U+1D634	s	s	s	s	s	s	s		\mitsanss	mathematical sans-serif italic small s
U+1D635	t	t	t	t	t	t	t		\mitsanst	mathematical sans-serif italic small t
U+1D636	u	u	u	u	u	u	u		\mitsansu	mathematical sans-serif italic small u
U+1D637	v	v	v	v	v	v	v		\mitsansv	mathematical sans-serif italic small v
U+1D638	w	w	w	w	w	w	w		\mitsansw	mathematical sans-serif italic small w
U+1D639	x	x	x	x	x	x	x		\mitsansx	mathematical sans-serif italic small x
U+1D63A	y	y	y	y	y	y	y		\mitsansy	mathematical sans-serif italic small y
U+1D63B	z	z	z	z	z	z	z		\mitsansz	mathematical sans-serif italic small z

13.1.17 Typewriter, Latin, uppercase

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
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
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

13.1.18 Typewriter, Latin, lowercase

USV	M	X	S	C	A	P	D	E	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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.2 Bold

13.2.1 Bold, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D400	A	A	A	A	A	A	A	A	\mbfA	mathematical bold capital a
U+1D401	B	B	B	B	B	B	B	B	\mbfB	mathematical bold capital b
U+1D402	C	C	C	C	C	C	C	C	\mbfC	mathematical bold capital c
U+1D403	D	D	D	D	D	D	D	D	\mbfD	mathematical bold capital d
U+1D404	E	E	E	E	E	E	E	E	\mbfE	mathematical bold capital e
U+1D405	F	F	F	F	F	F	F	F	\mbfF	mathematical bold capital f
U+1D406	G	G	G	G	G	G	G	G	\mbfG	mathematical bold capital g
U+1D407	H	H	H	H	H	H	H	H	\mbfH	mathematical bold capital h
U+1D408	I	I	I	I	I	I	I	I	\mbfI	mathematical bold capital i
U+1D409	J	J	J	J	J	J	J	J	\mbfJ	mathematical bold capital j
U+1D40A	K	K	K	K	K	K	K	K	\mbfK	mathematical bold capital k
U+1D40B	L	L	L	L	L	L	L	L	\mbfL	mathematical bold capital l
U+1D40C	M	M	M	M	M	M	M	M	\mbfM	mathematical bold capital m
U+1D40D	N	N	N	N	N	N	N	N	\mbfN	mathematical bold capital n
U+1D40E	O	O	O	O	O	O	O	O	\mbfO	mathematical bold capital o
U+1D40F	P	P	P	P	P	P	P	P	\mbfP	mathematical bold capital p
U+1D410	Q	Q	Q	Q	Q	Q	Q	Q	\mbfQ	mathematical bold capital q
U+1D411	R	R	R	R	R	R	R	R	\mbfR	mathematical bold capital r

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D412	S	S	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	V	\mbfV	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	W	\mbfW	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	X	\mbfX	mathematical bold capital x
U+1D418	Y	Y	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

13.2.2 Bold, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D41A	a	a	a	a	a	a	a	a	\mbfa	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	b	\mbfb	mathematical bold small b
U+1D41C	c	c	c	c	c	c	c	c	\mbfc	mathematical bold small c
U+1D41D	d	d	d	d	d	d	d	d	\mbfd	mathematical bold small d
U+1D41E	e	e	e	e	e	e	e	e	\mbfe	mathematical bold small e
U+1D41F	f	f	f	f	f	f	f	f	\mbff	mathematical bold small f
U+1D420	g	g	g	g	g	g	g	g	\mbfg	mathematical bold small g
U+1D421	h	h	h	h	h	h	h	h	\mbfh	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	i	\mbfi	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	j	\mbfj	mathematical bold small j
U+1D424	k	k	k	k	k	k	k	k	\mbfk	mathematical bold small k
U+1D425	l	l	l	l	l	l	l	l	\mbfl	mathematical bold small l
U+1D426	m	m	m	m	m	m	m	m	\mbfm	mathematical bold small m

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D427	n	n	n	n	n	n	n	n	\mbfn	mathematical bold small n
U+1D428	o	o	o	o	o	o	o	o	\mbfo	mathematical bold small o
U+1D429	p	p	p	p	p	p	p	p	\mbfp	mathematical bold small p
U+1D42A	q	q	q	q	q	q	q	q	\mbfq	mathematical bold small q
U+1D42B	r	r	r	r	r	r	r	r	\mbfr	mathematical bold small r
U+1D42C	s	s	s	s	s	s	s	s	\mbfs	mathematical bold small s
U+1D42D	t	t	t	t	t	t	t	t	\mbft	mathematical bold small t
U+1D42E	u	u	u	u	u	u	u	u	\mbfu	mathematical bold small u
U+1D42F	v	v	v	v	v	v	v	v	\mbfv	mathematical bold small v
U+1D430	w	w	w	w	w	w	w	w	\mbfw	mathematical bold small w
U+1D431	x	x	x	x	x	x	x	x	\mbfx	mathematical bold small x
U+1D432	y	y	y	y	y	y	y	y	\mbfy	mathematical bold small y
U+1D433	z	z	z	z	z	z	z	z	\mbfz	mathematical bold small z

13.2.3 Bold Greek, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D6A8	Α	Α	Α	Α	Α	Α	Α	Α	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	Β	Β	Β	Β	Β	Β	Β	Β	\mbfBeta	mathematical bold capital beta
U+1D6AA	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mbfGamma	mathematical bold capital gamma
U+1D6AB	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfDelta	mathematical bold capital delta
U+1D6AC	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\mbfEpsilon	mathematical bold capital epsilon
U+1D6AD	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mbfZeta	mathematical bold capital zeta
U+1D6AE	Η	Η	Η	Η	Η	Η	Η	Η	\mbfEta	mathematical bold capital eta
U+1D6AF	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfTheta	mathematical bold capital theta

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D6B0	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\mbfIota	mathematical bold capital iota
U+1D6B1	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\mbfKappa	mathematical bold capital kappa
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mbfMu	mathematical bold capital mu
U+1D6B4	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	Θ	Θ	Θ	Θ		\mbfvarTheta	mathematical bold capital theta symbol
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mbfChi	mathematical bold capital chi
U+1D6BF	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
U+1D6C0	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

13.2.4 Bold Greek, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	α	\mbfalpha	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	γ	γ	γ	γ	γ	γ	\mbfgamma	mathematical bold small gamma
U+1D6C5	δ	δ	δ	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D6C6	ε	ε	ε	ε	ε	ε	ε	ε	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfzeta	mathematical bold small zeta
U+1D6C8	η	η	η	η	η	η	η	η	\mbfeta	mathematical bold small eta
U+1D6C9	θ	θ	θ	θ	θ	θ	θ	θ	\mbftheta	mathematical bold small theta
U+1D6CA	ι	ι	ι	ι	ι	ι	ι	ι	\mbfiota	mathematical bold small iota
U+1D6CB	κ	κ	κ	κ	κ	κ	κ	κ	\mbfkappa	mathematical bold small kappa
U+1D6CC	λ	λ	λ	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
U+1D6CD	μ	μ	μ	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
U+1D6CE	ν	ν	ν	ν	ν	ν	ν	ν	\mbfnu	mathematical bold small nu
U+1D6CF	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
U+1D6D0	o	o	o	o	o	o	o	o	\mbfomicron	mathematical bold small omicron
U+1D6D1	π	π	π	π	π	π	π	π	\mbfpi	mathematical bold small pi
U+1D6D2	ρ	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	σ	\mbfsigma	mathematical bold small sigma
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
U+1D6D6	υ	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	ω	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	ϵ	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D6DE	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ		\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	ϕ	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	ϖ	\mbfvarpi	mathematical bold pi symbol

13.2.5 Bold italic, Latin, uppercase

USV	M	X	S	C	A	P	D	E	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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.2.6 Bold italic, Latin, lowercase

USV	M	X	S	C	A	P	D	E	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
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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.2.7 Bold italic Greek, uppercase

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
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
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

13.2.8 Bold italic Greek, lowercase

USV	M	X	S	C	A	P	D	E	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

USV	M	X	S	C	A	P	D	E	Macro	Description
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
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	ο	ο	ο	ο	ο	ο	𝛐		\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

USV	M	X	S	C	A	P	D	E	Macro	Description
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

13.2.9 Bold script, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4D0	𝓐	𝓐	𝓐	𝓐	𝓐	𝓐	𝓐	𝓐	\mbfscrA	mathematical bold script capital a
U+1D4D1	𝓑	𝓑	𝓑	𝓑	𝓑	𝓑	𝓑	𝓑	\mbfscrB	mathematical bold script capital b
U+1D4D2	𝓒	𝓒	𝓒	𝓒	𝓒	𝓒	𝓒	𝓒	\mbfscrC	mathematical bold script capital c
U+1D4D3	𝓓	𝓓	𝓓	𝓓	𝓓	𝓓	𝓓	𝓓	\mbfscrD	mathematical bold script capital d
U+1D4D4	𝓔	𝓔	𝓔	𝓔	𝓔	𝓔	𝓔	𝓔	\mbfscrE	mathematical bold script capital e
U+1D4D5	𝓕	𝓕	𝓕	𝓕	𝓕	𝓕	𝓕	𝓕	\mbfscrF	mathematical bold script capital f
U+1D4D6	𝓖	𝓖	𝓖	𝓖	𝓖	𝓖	𝓖	𝓖	\mbfscrG	mathematical bold script capital g
U+1D4D7	𝓗	𝓗	𝓗	𝓗	𝓗	𝓗	𝓗	𝓗	\mbfscrH	mathematical bold script capital h
U+1D4D8	𝓘	𝓘	𝓘	𝓘	𝓘	𝓘	𝓘	𝓘	\mbfscrI	mathematical bold script capital i
U+1D4D9	𝓙	𝓙	𝓙	𝓙	𝓙	𝓙	𝓙	𝓙	\mbfscrJ	mathematical bold script capital j
U+1D4DA	𝓚	𝓚	𝓚	𝓚	𝓚	𝓚	𝓚	𝓚	\mbfscrK	mathematical bold script capital k
U+1D4DB	𝓛	𝓛	𝓛	𝓛	𝓛	𝓛	𝓛	𝓛	\mbfscrL	mathematical bold script capital l
U+1D4DC	𝓜	𝓜	𝓜	𝓜	𝓜	𝓜	𝓜	𝓜	\mbfscrM	mathematical bold script capital m
U+1D4DD	𝓝	𝓝	𝓝	𝓝	𝓝	𝓝	𝓝	𝓝	\mbfscrN	mathematical bold script capital n
U+1D4DE	𝓞	𝓞	𝓞	𝓞	𝓞	𝓞	𝓞	𝓞	\mbfscrO	mathematical bold script capital o
U+1D4DF	𝓟	𝓟	𝓟	𝓟	𝓟	𝓟	𝓟	𝓟	\mbfscrP	mathematical bold script capital p

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4E0	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	*Q*	\mbfscrQ	mathematical bold script capital q
U+1D4E1	*R*	*R*	*R*	*R*	*R*	*R*	*R*	*R*	\mbfscrR	mathematical bold script capital r
U+1D4E2	*S*	*S*	*S*	*S*	*S*	*S*	*S*	*S*	\mbfscrS	mathematical bold script capital s
U+1D4E3	*T*	*T*	*T*	*T*	*T*	*T*	*T*	*T*	\mbfscrT	mathematical bold script capital t
U+1D4E4	*U*	*U*	*U*	*U*	*U*	*U*	*U*	*U*	\mbfscrU	mathematical bold script capital u
U+1D4E5	*V*	*V*	*V*	*V*	*V*	*V*	*V*	*V*	\mbfscrV	mathematical bold script capital v
U+1D4E6	*W*	*W*	*W*	*W*	*W*	*W*	*W*	*W*	\mbfscrW	mathematical bold script capital w
U+1D4E7	*X*	*X*	*X*	*X*	*X*	*X*	*X*	*X*	\mbfscrX	mathematical bold script capital x
U+1D4E8	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	*Y*	\mbfscrY	mathematical bold script capital y
U+1D4E9	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	*Z*	\mbfscrZ	mathematical bold script capital z

13.2.10 Bold script, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4EA		*a*	*a*	*a*	*a*	*a*			\mbfscra	mathematical bold script small a
U+1D4EB		*b*	*b*	*b*	*b*	*b*	*b*		\mbfscrb	mathematical bold script small b
U+1D4EC		*c*	*c*	*c*	*c*	*c*	*c*		\mbfscrc	mathematical bold script small c
U+1D4ED		*d*	*d*	*d*	*d*	*d*	*d*		\mbfscrd	mathematical bold script small d
U+1D4EE		*e*	*e*	*e*	*e*	*e*	*e*		\mbfscre	mathematical bold script small e
U+1D4EF		*f*	*f*	*f*	*f*	*f*	*f*		\mbfscrf	mathematical bold script small f
U+1D4F0		*g*	*g*	*g*	*g*	*g*	*g*		\mbfscrg	mathematical bold script small g
U+1D4F1		*h*	*h*	*h*	*h*	*h*	*h*		\mbfscrh	mathematical bold script small h
U+1D4F2		*i*	*i*	*i*	*i*	*i*	*i*		\mbfscri	mathematical bold script small i
U+1D4F3		*j*	*j*	*j*	*j*	*j*	*j*		\mbfscrj	mathematical bold script small j
U+1D4F4		*k*	*k*	*k*	*k*	*k*	*k*		\mbfscrk	mathematical bold script small k

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D4F5		ℓ	ℓ	ℓ	ℓ	ℓ	ℓ		\mbfscrl	mathematical bold script small l
U+1D4F6		𝓂	𝓂	𝓂	𝓂	𝓂	𝓂		\mbfscrm	mathematical bold script small m
U+1D4F7		𝓃	𝓃	𝓃	𝓃	𝓃	𝓃		\mbfscrn	mathematical bold script small n
U+1D4F8		𝓸	𝓸	𝓸	𝓸	𝓸	𝓸		\mbfscro	mathematical bold script small o
U+1D4F9		𝓅	𝓅	𝓅	𝓅	𝓅	𝓅		\mbfscrp	mathematical bold script small p
U+1D4FA		𝓆	𝓆	𝓆	𝓆	𝓆	𝓆		\mbfscrq	mathematical bold script small q
U+1D4FB		𝓇	𝓇	𝓇	𝓇	𝓇	𝓇		\mbfscrr	mathematical bold script small r
U+1D4FC		𝓈	𝓈	𝓈	𝓈	𝓈	𝓈		\mbfscrs	mathematical bold script small s
U+1D4FD		𝓉	𝓉	𝓉	𝓉	𝓉	𝓉		\mbfscrt	mathematical bold script small t
U+1D4FE		𝓊	𝓊	𝓊	𝓊	𝓊	𝓊		\mbfscru	mathematical bold script small u
U+1D4FF		𝓋	𝓋	𝓋	𝓋	𝓋	𝓋		\mbfscrv	mathematical bold script small v
U+1D500		𝓌	𝓌	𝓌	𝓌	𝓌	𝓌		\mbfscrw	mathematical bold script small w
U+1D501		𝓍	𝓍	𝓍	𝓍	𝓍	𝓍		\mbfscrx	mathematical bold script small x
U+1D502		𝓎	𝓎	𝓎	𝓎	𝓎	𝓎		\mbfscry	mathematical bold script small y
U+1D503		𝓏	𝓏	𝓏	𝓏	𝓏	𝓏		\mbfscrz	mathematical bold script small z

13.2.11 Bold fraktur, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D56C	𝕬	𝕬	𝕬	𝕬	𝕬	𝕬	𝕬	𝕬	\mbffrakA	mathematical bold fraktur capital a
U+1D56D	𝕭	𝕭	𝕭	𝕭	𝕭	𝕭	𝕭	𝕭	\mbffrakB	mathematical bold fraktur capital b
U+1D56E	𝕮	𝕮	𝕮	𝕮	𝕮	𝕮	𝕮	𝕮	\mbffrakC	mathematical bold fraktur capital c
U+1D56F	𝕯	𝕯	𝕯	𝕯	𝕯	𝕯	𝕯	𝕯	\mbffrakD	mathematical bold fraktur capital d
U+1D570	𝕰	𝕰	𝕰	𝕰	𝕰	𝕰	𝕰	𝕰	\mbffrakE	mathematical bold fraktur capital e
U+1D571	𝕱	𝕱	𝕱	𝕱	𝕱	𝕱	𝕱	𝕱	\mbffrakF	mathematical bold fraktur capital f

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

13.2.12 Bold fraktur, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D586	𝖆	𝖆	𝖆	𝖆	𝖆	𝖆	𝖆	𝖆	\mbffraka	mathematical bold fraktur small a

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D59F	ȝ	ȝ	ȝ	ȝ	ȝ	ȝ	ȝ	ȝ	\mbffrakz	mathematical bold fraktur small z

13.2.13 Bold sans serif, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5D4	A	A	A	A	A	A	A		\mbfsansA	mathematical sans-serif bold capital a
U+1D5D5	B	B	B	B	B	B	B		\mbfsansB	mathematical sans-serif bold capital b
U+1D5D6	C	C	C	C	C	C	C		\mbfsansC	mathematical sans-serif bold capital c
U+1D5D7	D	D	D	D	D	D	D		\mbfsansD	mathematical sans-serif bold capital d
U+1D5D8	E	E	E	E	E	E	E		\mbfsansE	mathematical sans-serif bold capital e
U+1D5D9	F	F	F	F	F	F	F		\mbfsansF	mathematical sans-serif bold capital f
U+1D5DA	G	G	G	G	G	G	G		\mbfsansG	mathematical sans-serif bold capital g
U+1D5DB	H	H	H	H	H	H	H		\mbfsansH	mathematical sans-serif bold capital h
U+1D5DC	I	I	I	I	I	I	I		\mbfsansI	mathematical sans-serif bold capital i
U+1D5DD	J	J	J	J	J	J	J		\mbfsansJ	mathematical sans-serif bold capital j
U+1D5DE	K	K	K	K	K	K	K		\mbfsansK	mathematical sans-serif bold capital k
U+1D5DF	L	L	L	L	L	L	L		\mbfsansL	mathematical sans-serif bold capital l
U+1D5E0	M	M	M	M	M	M	M		\mbfsansM	mathematical sans-serif bold capital m
U+1D5E1	N	N	N	N	N	N	N		\mbfsansN	mathematical sans-serif bold capital n
U+1D5E2	O	O	O	O	O	O	O		\mbfsansO	mathematical sans-serif bold capital o
U+1D5E3	P	P	P	P	P	P	P		\mbfsansP	mathematical sans-serif bold capital p
U+1D5E4	Q	Q	Q	Q	Q	Q	Q		\mbfsansQ	mathematical sans-serif bold capital q
U+1D5E5	R	R	R	R	R	R	R		\mbfsansR	mathematical sans-serif bold capital r
U+1D5E6	S	S	S	S	S	S	S		\mbfsansS	mathematical sans-serif bold capital s
U+1D5E7	T	T	T	T	T	T	T		\mbfsansT	mathematical sans-serif bold capital t

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5E8	U	U	U	U	U	U	U		\mbfsansU	mathematical sans-serif bold capital u
U+1D5E9	V	V	V	V	V	V	V		\mbfsansV	mathematical sans-serif bold capital v
U+1D5EA	W	W	W	W	W	W	W		\mbfsansW	mathematical sans-serif bold capital w
U+1D5EB	X	X	X	X	X	X	X		\mbfsansX	mathematical sans-serif bold capital x
U+1D5EC	Y	Y	Y	Y	Y	Y	Y		\mbfsansY	mathematical sans-serif bold capital y
U+1D5ED	Z	Z	Z	Z	Z	Z	Z		\mbfsansZ	mathematical sans-serif bold capital z

13.2.14 Bold sans serif, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5EE	a	a	a	a	a	a	a		\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b	b	b		\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	c	c	c	c	c	c	c		\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d	d	d		\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	e	e	e	e	e	e		\mbfsanse	mathematical sans-serif bold small e
U+1D5F3	f	f	f	f	f	f	f		\mbfsansf	mathematical sans-serif bold small f
U+1D5F4	g	g	g	g	g	g	g		\mbfsansg	mathematical sans-serif bold small g
U+1D5F5	h	h	h	h	h	h	h		\mbfsansh	mathematical sans-serif bold small h
U+1D5F6	i	i	i	i	i	i	i		\mbfsansi	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j	j	j		\mbfsansj	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k	k	k		\mbfsansk	mathematical sans-serif bold small k
U+1D5F9	l	l	l	l	l	l	l		\mbfsansl	mathematical sans-serif bold small l
U+1D5FA	m	m	m	m	m	m	m		\mbfsansm	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n	n	n		\mbfsansn	mathematical sans-serif bold small n
U+1D5FC	o	o	o	o	o	o	o		\mbfsanso	mathematical sans-serif bold small o

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D5FD	p	p	p	p	p	p	p		\mbfsansp	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q	q	q		\mbfsansq	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r	r	r		\mbfsansr	mathematical sans-serif bold small r
U+1D600	s	s	s	s	s	s	s		\mbfsanss	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t	t	t		\mbfsanst	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u	u	u		\mbfsansu	mathematical sans-serif bold small u
U+1D603	v	v	v	v	v	v	v		\mbfsansv	mathematical sans-serif bold small v
U+1D604	w	w	w	w	w	w	w		\mbfsansw	mathematical sans-serif bold small w
U+1D605	x	x	x	x	x	x	x		\mbfsansx	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y	y	y		\mbfsansy	mathematical sans-serif bold small y
U+1D607	z	z	z	z	z	z	z		\mbfsansz	mathematical sans-serif bold small z

13.2.15 Bold italic sans serif, Latin, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D63C	A	A	A	A	A	A	A		\mbfitsansA	mathematical sans-serif bold italic capital a
U+1D63D	B	B	B	B	B	B	B		\mbfitsansB	mathematical sans-serif bold italic capital b
U+1D63E	C	C	C	C	C	C	C		\mbfitsansC	mathematical sans-serif bold italic capital c
U+1D63F	D	D	D	D	D	D	D		\mbfitsansD	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	E	E	E		\mbfitsansE	mathematical sans-serif bold italic capital e
U+1D641	F	F	F	F	F	F	F		\mbfitsansF	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	G	G	G		\mbfitsansG	mathematical sans-serif bold italic capital g
U+1D643	H	H	H	H	H	H	H		\mbfitsansH	mathematical sans-serif bold italic capital h
U+1D644	I	I	I	I	I	I	I		\mbfitsansI	mathematical sans-serif bold italic capital i
U+1D645	J	J	J	J	J	J	J		\mbfitsansJ	mathematical sans-serif bold italic capital j

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D646	K	K	K	K	K	K	K		\mbfitsansK	mathematical sans-serif bold italic capital k
U+1D647	L	L	L	L	L	L	L		\mbfitsansL	mathematical sans-serif bold italic capital l
U+1D648	M	M	M	M	M	M	M		\mbfitsansM	mathematical sans-serif bold italic capital m
U+1D649	N	N	N	N	N	N	N		\mbfitsansN	mathematical sans-serif bold italic capital n
U+1D64A	O	O	O	O	O	O	O		\mbfitsansO	mathematical sans-serif bold italic capital o
U+1D64B	P	P	P	P	P	P	P		\mbfitsansP	mathematical sans-serif bold italic capital p
U+1D64C	Q	Q	Q	Q	Q	Q	Q		\mbfitsansQ	mathematical sans-serif bold italic capital q
U+1D64D	R	R	R	R	R	R	R		\mbfitsansR	mathematical sans-serif bold italic capital r
U+1D64E	S	S	S	S	S	S	S		\mbfitsansS	mathematical sans-serif bold italic capital s
U+1D64F	T	T	T	T	T	T	T		\mbfitsansT	mathematical sans-serif bold italic capital t
U+1D650	U	U	U	U	U	U	U		\mbfitsansU	mathematical sans-serif bold italic capital u
U+1D651	V	V	V	V	V	V	V		\mbfitsansV	mathematical sans-serif bold italic capital v
U+1D652	W	W	W	W	W	W	W		\mbfitsansW	mathematical sans-serif bold italic capital w
U+1D653	X	X	X	X	X	X	X		\mbfitsansX	mathematical sans-serif bold italic capital x
U+1D654	Y	Y	Y	Y	Y	Y	Y		\mbfitsansY	mathematical sans-serif bold italic capital y
U+1D655	Z	Z	Z	Z	Z	Z	Z		\mbfitsansZ	mathematical sans-serif bold italic capital z

13.2.16 Bold italic sans serif, Latin, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D656	a	a	a	a	a	a	a		\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	b	b	b	b	b	b	b		\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	c	c	c	c	c	c	c		\mbfitsansc	mathematical sans-serif bold italic small c
U+1D659	d	d	d	d	d	d	d		\mbfitsansd	mathematical sans-serif bold italic small d
U+1D65A	e	e	e	e	e	e	e		\mbfitsanse	mathematical sans-serif bold italic small e

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D65B	f	f	f	f	f	f	f		\mbfitsansf	mathematical sans-serif bold italic small f
U+1D65C	g	g	g	g	g	g	g		\mbfitsansg	mathematical sans-serif bold italic small g
U+1D65D	h	h	h	h	h	h	h		\mbfitsansh	mathematical sans-serif bold italic small h
U+1D65E	i	i	i	i	i	i	i		\mbfitsansi	mathematical sans-serif bold italic small i
U+1D65F	j	j	j	j	j	j	j		\mbfitsansj	mathematical sans-serif bold italic small j
U+1D660	k	k	k	k	k	k	k		\mbfitsansk	mathematical sans-serif bold italic small k
U+1D661	l	l	l	l	l	l	l		\mbfitsansl	mathematical sans-serif bold italic small l
U+1D662	m	m	m	m	m	m	m		\mbfitsansm	mathematical sans-serif bold italic small m
U+1D663	n	n	n	n	n	n	n		\mbfitsansn	mathematical sans-serif bold italic small n
U+1D664	o	o	o	o	o	o	o		\mbfitsanso	mathematical sans-serif bold italic small o
U+1D665	p	p	p	p	p	p	p		\mbfitsansp	mathematical sans-serif bold italic small p
U+1D666	q	q	q	q	q	q	q		\mbfitsansq	mathematical sans-serif bold italic small q
U+1D667	r	r	r	r	r	r	r		\mbfitsansr	mathematical sans-serif bold italic small r
U+1D668	s	s	s	s	s	s	s		\mbfitsanss	mathematical sans-serif bold italic small s
U+1D669	t	t	t	t	t	t	t		\mbfitsanst	mathematical sans-serif bold italic small t
U+1D66A	u	u	u	u	u	u	u		\mbfitsansu	mathematical sans-serif bold italic small u
U+1D66B	v	v	v	v	v	v	v		\mbfitsansv	mathematical sans-serif bold italic small v
U+1D66C	w	w	w	w	w	w	w		\mbfitsansw	mathematical sans-serif bold italic small w
U+1D66D	x	x	x	x	x	x	x		\mbfitsansx	mathematical sans-serif bold italic small x
U+1D66E	y	y	y	y	y	y	y		\mbfitsansy	mathematical sans-serif bold italic small y
U+1D66F	z	z	z	z	z	z	z		\mbfitsansz	mathematical sans-serif bold italic small z

13.2.17 Bold sans serif Greek, uppercase

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

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D76E	Ω	Ω	Ω		Ω	Ω	Ω		\mbfsansOmega	mathematical sans-serif bold capital omega

13.2.18 Bold sans serif Greek, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D770	α	α	α		α	α	α		\mbfsansalpha	mathematical sans-serif bold small alpha
U+1D771	β	β	β		β	β	β		\mbfsansbeta	mathematical sans-serif bold small beta
U+1D772	γ	γ	γ		γ	γ	γ		\mbfsansgamma	mathematical sans-serif bold small gamma
U+1D773	δ	δ	δ		δ	δ	δ		\mbfsansdelta	mathematical sans-serif bold small delta
U+1D774	ε	ε	ε		ε	ε	ε		\mbfsansvarepsilon	mathematical sans-serif bold small varepsilon
U+1D775	ζ	ζ	ζ		ζ	ζ	ζ		\mbfsanszeta	mathematical sans-serif bold small zeta
U+1D776	η	η	η		η	η	η		\mbfsanseta	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ		θ	θ	θ		\mbfsanstheta	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι		ι	ι	ι		\mbfsansiota	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ		κ	κ	κ		\mbfsanskappa	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ		λ	λ	λ		\mbfsanslambda	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ		μ	μ	μ		\mbfsansmu	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν		ν	ν	ν		\mbfsansnu	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ		ξ	ξ	ξ		\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο		ο	ο	ο		\mbfsansomicron	mathematical sans-serif bold small omicron
U+1D77F	π	π	π		π	π	π		\mbfsanspi	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ		ρ	ρ	ρ		\mbfsansrho	mathematical sans-serif bold small rho
U+1D781	ς	ς	ς		ς	ς	ς		\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ		σ	σ	σ		\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ		τ	τ	τ		\mbfsanstau	mathematical sans-serif bold small tau

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D784	υ	υ	υ		υ	υ	υ		\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ		φ	φ	φ		\mbfsansvarphi	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ		χ	χ	χ		\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ		ψ	ψ	ψ		\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	ω	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	ϵ		\mbfsansepsilon	mathematical sans-serif bold varepsilon symbol
U+1D78B	ϑ	ϑ	ϑ		ϑ	ϑ	ϑ		\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	ϰ	ϰ	ϰ		ϰ	ϰ	ϰ		\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	ϕ	ϕ	ϕ		ϕ	ϕ	ϕ		\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	ϱ	ϱ	ϱ		ϱ	ϱ	ϱ		\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	ϖ	ϖ	ϖ		ϖ	ϖ	ϖ		\mbfsansvarpi	mathematical sans-serif bold pi symbol

13.2.19 Bold italic sans serif Greek, uppercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D790	*A*	*A*	*A*		*A*	*A*	*A*		\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
U+1D791	*B*	*B*	*B*		*B*	*B*	*B*		\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	*Γ*	*Γ*	*Γ*		*Γ*	*Γ*	*Γ*		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	*Δ*	*Δ*	*Δ*		*Δ*	*Δ*	*Δ*		\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	*E*	*E*	*E*		*E*	*E*	*E*		\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	*Z*	*Z*	*Z*		*Z*	*Z*	*Z*		\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	*H*	*H*	*H*		*H*	*H*	*H*		\mbfitsansEta	mathematical sans-serif bold italic capital eta
U+1D797	*Θ*	*Θ*	*Θ*		*Θ*	*Θ*	*Θ*		\mbfitsansTheta	mathematical sans-serif bold italic capital theta

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D798	*I*	*I*	*I*		*I*	*I*	*I*		\mbfitsansIota	mathematical sans-serif bold italic capital iota
U+1D799	*K*	*K*	*K*		*K*	*K*	*K*		\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
U+1D79A	*Λ*	*Λ*	*Λ*		*Λ*	*Λ*	*Λ*		\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
U+1D79B	*M*	*M*	*M*		*M*	*M*	*M*		\mbfitsansMu	mathematical sans-serif bold italic capital mu
U+1D79C	*N*	*N*	*N*		*N*	*N*	*N*		\mbfitsansNu	mathematical sans-serif bold italic capital nu
U+1D79D	*Ξ*	*Ξ*	*Ξ*		*Ξ*	*Ξ*	*Ξ*		\mbfitsansXi	mathematical sans-serif bold italic capital xi
U+1D79E	*O*	*O*	*O*		*O*	*O*	*O*		\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
U+1D79F	*Π*	*Π*	*Π*		*Π*	*Π*	*Π*		\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	*P*	*P*	*P*		*P*	*P*	*P*		\mbfitsansRho	mathematical sans-serif bold italic capital rho
U+1D7A1	*Θ*	*Θ*	*Θ*		*Θ*	*Θ*	*Θ*		\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	*Σ*	*Σ*	*Σ*		*Σ*	*Σ*	*Σ*		\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	*T*	*T*	*T*		*T*	*T*	*T*		\mbfitsansTau	mathematical sans-serif bold italic capital tau
U+1D7A4	*Υ*	*Υ*	*Υ*		*Υ*	*Υ*	*Υ*		\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	*Φ*	*Φ*	*Φ*		*Φ*	*Φ*	*Φ*		\mbfitsansPhi	mathematical sans-serif bold italic capital phi
U+1D7A6	*X*	*X*	*X*		*X*	*X*	*X*		\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	*Ψ*	*Ψ*	*Ψ*		*Ψ*	*Ψ*	*Ψ*		\mbfitsansPsi	mathematical sans-serif bold italic capital psi
U+1D7A8	*Ω*	*Ω*	*Ω*		*Ω*	*Ω*	*Ω*		\mbfitsansOmega	mathematical sans-serif bold italic capital omega

13.2.20 Bold italic sans serif Greek, lowercase

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D7AA	*α*	*α*	*α*		*α*	*α*	*α*		\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	*β*	*β*	*β*		*β*	*β*	*β*		\mbfitsansbeta	mathematical sans-serif bold italic small beta

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D7AC	γ	γ	γ		γ	γ	γ		\mbfitsansgamma	mathematical sans-serif bold italic small gamma
U+1D7AD	δ	δ	δ		δ	δ	δ		\mbfitsansdelta	mathematical sans-serif bold italic small delta
U+1D7AE	ε	ε	ε		ε	ε	ε		\mbfitsansvarepsilon	mathematical sans-serif bold italic small varepsilon
U+1D7AF	ζ	ζ	ζ		ζ	ζ	ζ		\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	η	η	η		η	η	η		\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	θ	θ	θ		θ	θ	θ		\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	ι	ι	ι		ι	ι	ι		\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	κ	κ	κ		κ	κ	κ		\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	λ	λ	λ		λ	λ	λ		\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	μ	μ	μ		μ	μ	μ		\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	ν	ν	ν		ν	ν	ν		\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	ξ	ξ	ξ		ξ	ξ	ξ		\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	o	o	o		o	o	o		\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	π	π	π		π	π	π		\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	ρ	ρ	ρ		ρ	ρ	ρ		\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	ς	ς	ς		ς	ς	ς		\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	σ	σ	σ		σ	σ	σ		\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	τ	τ	τ		τ	τ	τ		\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	υ	υ	υ		υ	υ	υ		\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	φ	φ	φ		φ	φ	φ		\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	χ	χ	χ		χ	χ	χ		\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	ψ	ψ	ψ		ψ	ψ	ψ		\mbfitsanspsi	mathematical sans-serif bold italic small psi

USV	M	X	S	C	A	P	D	E	Macro	Description
U+1D7C2	ω	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	ϵ		\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	ϑ	ϑ	ϑ		ϑ	ϑ	ϑ		\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	ϰ	ϰ	ϰ		ϰ	ϰ	ϰ		\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	ϕ	ϕ	ϕ		ϕ	ϕ	ϕ		\mbfitsansphi	mathematical sans-serif bold italic phi symbol
U+1D7C8	ϱ	ϱ	ϱ		ϱ	ϱ	ϱ		\mbfitsansvarrho	mathematical sans-serif bold italic rho symbol
U+1D7C9	ϖ	ϖ	ϖ		ϖ	ϖ	ϖ		\mbfitsansvarpi	mathematical sans-serif bold italic pi symbol

13.3 Miscellaneous

USV	M	X	S	C	A	P	D	E	Macro	Description
U+000F0	ð	ð	ð	ð	ð	ð	ð		\matheth	eth
U+02102	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ		\BbbC	/bbb c, open face c
U+0210A		𝓰	𝓰	𝓰	𝓰	𝓰	𝓰		\mscrg	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mscrH	hamiltonian (script capital h)
U+0210C	ℌ	ℌ	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	ℏ	\hslash[a]	/hslash - variant planck's over 2pi
U+02110	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	\mscrI	/scr i, script letter i
U+02111	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	\Im[p]	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	\mscrL	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	\ell[p]	cursive small l

USV	M	X	S	C	A	P	D	E	Macro	Description
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	ℛ	ℛ	\mscrR	/scr r, script letter r
U+0211C	ℜ	ℜ	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	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	ℬ	ℬ	\mscrB	bernoulli function (script capital b)
U+0212D	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ	ℭ	\mfrakC	black-letter capital c
U+0212F		ℯ	ℯ	ℯ	ℯ	ℯ	ℯ		\mscre	/scr e, script letter e
U+02130	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	\mscrE	/scr e, script letter e
U+02131	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	\mscrF	/scr f, script letter f
U+02133	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	\mscrM	physics m-matrix (script capital m)
U+02134		ℴ	ℴ	ℴ	ℴ	ℴ	ℴ		\mscro	order of (script small o)
U+02135	ℵ	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	ℽ	ℽ	ℽ	ℽ		\Bbbgamma	double-struck small gamma
U+0213E	ℾ	ℾ	ℾ	ℾ	ℾ	ℾ	ℾ		\BbbGamma	double-struck capital gamma

USV	M	X	S	C	A	P	D	E	Macro	Description
U+0213F	⊓	⊓	⊓	Ⅲ	Ⅲ	Ⅲ	Ⅲ		\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		F			F				\mbfDigamma	mathematical bold capital digamma
U+1D7CB		F			F				\mbfdigamma	mathematical bold small digamma