Symbols defined by unicode-math

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Modified (df) to show Concrete Math symbols

This document uses the file `unicode-math-table.tex` to print every symbol defined by the unicode-math package. Use this document to find the command name or the Unicode glyph slot for a symbol that you wish to use. The following fonts are shown: (with approximate symbol counts)[1]

M Latin Modern Math (1602)

S STIX Two Math (2447)

C Concrete Math (1658)

P TeX Gyre Pagella Math (1655)

D DejaVu Math TeX Gyre (1657)

L Libertinus Math (1660)

G Garamond Math (1647)

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

Note that this list of fonts is not intended to be exhaustive but I am happy to add new fonts by request if they are distributed in TeX Live.[2]

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[1] Be aware that 48 lowercase latin letters are missing in *Script* and *BoldScript* shapes for both Latin Modern Math and Concrete Math, compared to the other four fonts.

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

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1 Opening symbols, \mathopen

USV	M	S	C	P	D	L	G	Macro	Description
U+00028	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace(p)	left curly bracket
U+0221A	√	√	√	√	√	√	√	\sqrt(p)	radical
U+0221B		∛	∛			∛		\cuberoot	cube root
U+0221C		∜	∜			∜		\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil(p)	left ceiling
U+0230A	⌊	⌊	⌊	⌊	⌊	⌊	⌊	\lfloor(p)	left floor
U+0231C	⌜	⌜	⌜	⌜	⌜	⌜	⌜	\ulcorner	upper left corner
U+0231E	⌞	⌞	⌞	⌞	⌞	⌞	⌞	\llcorner	lower left corner
U+023B0		⎰	⎰			⎰		\lmoustache(p)	upper left or lower right curly bracket section
U+02772		❲						\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⟅						\lbag	left s-shaped bag delimiter
U+027CC		⟌						\longdivision	long division
U+027E6	⟦	⟦	⟦	⟦	⟦	⟦	⟦	\lBrack	mathematical left white square bracket
U+027E8	⟨	⟨	⟨	⟨	⟨	⟨	⟨	\langle(p)	mathematical left angle bracket
U+027EA	⟪	⟪	⟪	⟪	⟪	⟪	⟪	\lAngle	mathematical left double angle bracket
U+027EC		⟬				⟬		\Lbrbrak	mathematical left white tortoise shell bracket
U+027EE	(	(	(	(	(	(	(	\lgroup(p)	mathematical left flattened parenthesis
U+02983		⦃						\lBrace	left white curly bracket
U+02985		⦅						\lParen	left white parenthesis
U+02987		⦇				⦇		\llparenthesis	z notation left image bracket
U+02989		⦉						\llangle	z notation left binding bracket
U+0298B		⦋						\lbrackubar	left square bracket with underbar
U+0298D		⦍						\lbrackultick	left square bracket with tick in top corner
U+0298F		⦏						\lbrackllltick	left square bracket with tick in bottom corner
U+02991		⦑						\langledot	left angle bracket with dot
U+02993		⦓						\lparenless	left arc less-than bracket

USV	M	S	C	P	D	L	G	Macro	Description
U+02995		⦕						\Lparengtr	double left arc greater-than bracket
U+02997		⦗						\lblkbrbrak	left black tortoise shell bracket
U+029D8		⧘						\lvzigzag	left wiggly fence
U+029DA		⧚						\Lvzigzag	left double wiggly fence
U+029FC		⟨				⟨		\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
U+0298C		⦘						\rbrackubar	right square bracket with underbar
U+0298E		⦎						\rbracklrtick	right square bracket with tick in bottom corner
U+02990		⦐						\rbrackurtick	right square bracket with tick in top corner
U+02992		⦒						\rangledot	right angle bracket with dot
U+02994		⦔						\rparengtr	right arc greater-than bracket
U+02996		⦖						\Rparenless	double right arc less-than bracket
U+02998		⦘						\rblkbrbrak	right black tortoise shell bracket
U+029D9		⧙						\rvzigzag	right wiggly fence
U+029DB		⧛						\Rvzigzag	right double wiggly fence
U+029FD		⧽				⟩		\rcurvyangle	right pointing curved angle bracket

3 Fence symbols, \mathfence

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

5 ‘Over’ symbols, \mathover

USV	M	S	C	P	D	L	G	Macro	Description
U+023B4	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	$\overbracket{x+y}$	\overbracket	top square bracket
U+023DC	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	\overparen	top parenthesis (mathematical use)
U+023DE	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	\overbrace(p)	top curly bracket (mathematical use)

6 ‘Under’ symbols, \mathunder

USV	M	S	C	P	D	L	G	Macro	Description
U+023B5	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	$\underbracket{x+y}$	\underbracket	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	\underparen	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	\underbrace(p)	bottom curly bracket (mathematical use)

7 Accents, \mathaccent

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

USV	M	S	C	P	D	L	G	Macro	Description
U+00300	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	\grave(p)	grave accent
U+00301	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	\acute(p)	acute accent
U+00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	\hat(p)	circumflex accent
U+00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	\tilde(p)	tilde
U+00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	\bar(p)	macron
U+00305	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	\overbar	overbar embellishment
U+00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	\breve(p)	breve
U+00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	\dot(p)	dot above
U+00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	\ddot(p)	dieresis
U+00309	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	\ovhook	combining hook above
U+0030A	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	\ocirc	ring
U+0030C	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	\check(p)	caron
U+00310		$\candra{x}$				$\candra{x}$		\candra	candrabindu (non-spacing)

USV	M	S	C	P	D	L	G	Macro	Description
U+00312		$\mathaccentwide{x}$				$\mathaccentwide{x}$		\oturnedcomma	combining turned comma above
U+00315		$\mathaccentwide{x}$				$\mathaccentwide{x}$		\ocommatopright	combining comma above right
U+0031A		$\mathaccentwide{x}$				$\mathaccentwide{x}$		\droang	left angle above (non-spacing)
U+020D0	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	\leftharpoonaccent	combining left harpoon above
U+020D1	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	\rightharpoonaccent	combining right harpoon above
U+020D2	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$		$\mathaccentwide{x}$	\vertoverlay	combining long vertical line overlay
U+020D7	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	\vec(p)	combining right arrow above
U+020DB	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	\dddot	combining three dots above
U+020DC	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	\ddddot	combining four dots above
U+020E7		$\mathaccentwide{x}$						\annuity	combining annuity symbol
U+020E9	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$		$\mathaccentwide{x}$	\widebridgeabove	combining wide bridge above
U+020F0	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$	$\mathaccentwide{x}$		$\mathaccentwide{x}$	\asteraccent	combining asterisk above

8 Accents wide, \mathaccentwide

USV	M	S	C	P	D	L	G	Macro	Description
U+00302	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\widehat(p)	circumflex accent
U+00303	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\widetilde(p)	tilde
U+00305	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$x\mathaccentwide{+}y$	\wideoverbar	stretchy overbar embellishment
U+00306	$\mathaccentwide{x+y}$	$x\mathaccentwide{+}y$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\widebreve	stretchy breve
U+0030C	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\widecheck	stretchy caron
U+020D0	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\overleftharpoon	combining left harpoon above
U+020D1	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\overrightharpoon	combining right harpoon above
U+020D6	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\overleftarrow(p)	combining left arrow above
U+020D7	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\overrightarrow(p)	combining left arrow above
U+020E1	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	$\mathaccentwide{x+y}$	\overleftrightarrow	combining left right arrow above

9 Bottom accents, \mathbotaccent

USV	M	S	C	P	D	L	G	Macro	Description
U+020E8	$\underdot{x}$	$\underdot{x}$	$\underdot{x}$	$\underdot{x}$	$\underdot{x}$		$\underdot{x}$	\threeunderdot	combining triple underdot

10 Bottom accents wide, \mathbotaccentwide

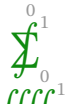
USV	M	S	C	P	D	L	G	Macro	Description
U+00330	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	$\underset{\sim}{x+y}$	\wideutilde	under tilde accent (multiple characters and non-spacing)
U+00332	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	\mathunderbar	combining low line
U+0034D	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	$\underleftrightarrow{x+y}$	\underleftrightarrow	underleftrightarrow accent
U+020EC	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$	$\underrightharpoondown{x+y}$		$\underrightharpoondown{x+y}$	\underrightharpoondown	combining rightwards harpoon with barb downwards
U+020ED	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$	$\underleftharpoondown{x+y}$		$\underleftharpoondown{x+y}$	\underleftharpoondown	combining leftwards harpoon with barb downwards
U+020EE	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	$\underleftarrow{x+y}$	\underleftarrow	combining left arrow below
U+020EF	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	$\underrightarrow{x+y}$	\underrightarrow	combining right arrow below

11 Big operators, \mathop

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

USV	M	S	C	P	D	L	G	Macro	Description
U+02140	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$		$\sum\limits_{0}^{1}$	\Bbbsum	double-struck n-ary summation
U+0220F	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	$\prod\limits_{0}^{1}$	\prod(p)	product operator
U+02210	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	$\coprod\limits_{0}^{1}$	\coprod(p)	coproduct operator
U+02211	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	$\sum\limits_{0}^{1}$	\sum(p)	summation operator
U+0222B	$\int_{0}^{1}$	$\int_{0}^{1}$	$\int_{0}^{1}$	$\int_{0}^{1}$	$\int_{0}^{1}$	$\int_{0}^{1}$	$\int_{0}^{1}$	\int(p)	integral operator
U+0222C	$\iint_{0}^{1}$	$\iint_{0}^{1}$	$\iint_{0}^{1}$	$\iint_{0}^{1}$	$\iint_{0}^{1}$	$\iint_{0}^{1}$	$\iint_{0}^{1}$	\iint	double integral operator
U+0222D	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	$\iiint_{0}^{1}$	\iiint	triple integral operator

USV	M	S	C	P	D	L	G	Macro	Description
U+0222E								`\oint`(p)	contour integral operator
U+0222F								`\oiint`	double contour integral operator
U+02230								`\oiiint`	triple contour integral operator
U+02231								`\intclockwise`	clockwise integral
U+02232								`\varointclockwise`	contour integral, clockwise
U+02233								`\ointctrclockwise`	contour integral, anticlockwise
U+022C0								`\bigwedge`(p)	logical and operator
U+022C1								`\bigvee`(p)	logical or 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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+02A06								\bigsqcup(p)	n-ary square union operator
U+02A07								\conjquant	two logical and operator
U+02A08								\disjquant	two logical or operator
U+02A09								\bigtimes	n-ary times operator
U+02A0A								\modtwosum	modulo two sum
U+02A0B								\sumint	summation with integral
U+02A0C								\iiiint	quadruple integral operator
U+02A0D								\intbar	finite part integral
U+02A0E								\intBar	integral with double stroke
U+02A0F								\fint	integral average with slash
U+02A10								\cirfnint	circulation function
U+02A11								\awint	anticlockwise integration
U+02A12								\rppolint	line integration with rectangular path around pole
U+02A13								\scpolint	line integration with semicircular path around pole
U+02A14								\npolint	line integration not including the pole
U+02A15								\pointint	integral around a point operator
U+02A16								\sqint	quaternion integral operator
U+02A17								\intlarhk	integral with leftwards arrow with hook
U+02A18								\intx	integral with times sign
U+02A19								\intcap	integral with intersection
U+02A1A								\intcup	integral with union
U+02A1B								\upint	integral with overbar

USV	M	S	C	P	D	L	G	Macro	Description
U+02A1C								\lowint	integral with underbar
U+02A1D								\Join	join
U+02A1E								\bigtriangleleft	large left triangle operator
U+02A1F								\zcmp	z notation schema composition
U+02A20								\zpipe	z notation schema piping
U+02A21								\zproject	z notation schema projection
U+02AFC								\biginterleave	large triple vertical bar operator
U+02AFF								\bigtalloblong	n-ary white vertical bar
U+1EEF0								\arabicmaj	arabic mathematical operator meem with hah with tatweel
U+1EEF1								\arabichad	arabic mathematical operator hah with dal

12 Binary relations, \mathbin

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
U+02215								`\divslash`	division slash
U+02216								`\setminus`(p)	set minus (cf. reverse solidus)
U+02217								`\ast`(p)	centered asterisk
U+02218								`\vysmwhtcircle`	composite function (small circle)
U+02219								`\vysmblkcircle`	bullet operator
U+02227								`\wedge`(p)	/wedge /land b: logical and
U+02228								`\vee`(p)	/vee /lor b: logical or
U+02229								`\cap`(p)	intersection
U+0222A								`\cup`(p)	union or logical sum
U+02238								`\dotminus`	minus sign, dot above
U+0223E								`\invlazys`	most positive [inverted lazy s]
U+02240								`\wr`(p)	wreath product
U+0228C								`\cupleftarrow`	multiset
U+0228D								`\cupdot`	union, with dot
U+0228E								`\uplus`(p)	plus sign in union
U+02293								`\sqcap`(p)	square intersection
U+02294								`\sqcup`(p)	square union
U+02295								`\oplus`(p)	plus sign in circle
U+02296								`\ominus`(p)	minus sign in circle
U+02297								`\otimes`(p)	multiply sign in circle
U+02298								`\oslash`(p)	solidus in circle
U+02299								`\odot`(p)	middle dot in circle
U+0229A								`\circledcirc`(a)	small circle in circle
U+0229B								`\circledast`(a)	asterisk in circle
U+0229C								`\circledequal`	equal in circle
U+0229D								`\circleddash`(a)	hyphen in circle
U+0229E								`\boxplus`(a)	plus sign in box
U+0229F								`\boxminus`(a)	minus sign in box
U+022A0								`\boxtimes`(a)	multiply sign in box
U+022A1								`\boxdot`(a)	/dotsquare /boxdot b: small dot in box
U+022BA								`\intercal`(a)	intercal
U+022BB								`\veebar`(a)	logical or, bar below (large vee); exclusive disjunction
U+022BC								`\barwedge`(a)	bar, wedge (large wedge)

USV	M	S	C	P	D	L	G	Macro	Description
U+022BD								\barvee	bar, vee (large vee)
U+022C4								\smwhtdiamond	white diamond
U+022C5								\cdot(p)	small middle dot
U+022C6								\star(p)	small star, filled, low
U+022C7								\divideontimes(a)	division on times
U+022C9								\ltimes(a)	times sign, left closed
U+022CA								\rtimes(a)	times sign, right closed
U+022CB								\leftthreetimes(a)	left semidirect product
U+022CC								\rightthreetimes(a)	right semidirect product
U+022CE								\curlyvee(a)	curly logical or
U+022CF								\curlywedge(a)	curly logical and
U+022D2								\Cap(a)	/cap /doublecap b: double intersection
U+022D3								\Cup(a)	/cup /doublecup b: double union
U+02305								\varbarwedge	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306								\vardoublebarwedge	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D								\obar	circle with vertical bar
U+025B3								\bigtriangleup(p)	big up triangle, open
U+025B7								\triangleright(p)	(large) right triangle, open; z notation range restriction
U+025C1								\triangleleft(p)	(large) left triangle, open; z notation domain restriction
U+025CB								\mdlgwhtcircle	medium large circle
U+025EB								\boxbar	vertical bar in box
U+027C7								\veedot	or with dot inside
U+027D1								\wedgedot	and with dot
U+027E0								\lozengeminus	lozenge divided by horizontal rule
U+027E1								\concavediamond	white concave-sided diamond
U+027E2								\concavediamondtickleft	white concave-sided diamond with leftwards tick
U+027E3								\concavediamondtickright	white concave-sided diamond with rightwards tick
U+027E4								\whitesquaretickleft	white square with leftwards tick
U+027E5								\whitesquaretickright	white square with rightwards tick

USV	M	S	C	P	D	L	G	Macro	Description
U+029B5		⦵						\circlehbar	circle with horizontal bar
U+029B6		⦶						\circledvert	circled vertical bar
U+029B7		⦷						\circledparallel	circled parallel
U+029B8		⦸						\obslash	circled reverse solidus
U+029B9		⦹				⦹		\operp	circled perpendicular
U+029C0		⧀						\olessthan	circled less-than
U+029C1		⧁						\ogreaterthan	circled greater-than
U+029C4		⧄						\boxdiag	squared rising diagonal slash
U+029C5		⧅						\boxbslash	squared falling diagonal slash
U+029C6		⧆						\boxast	squared asterisk
U+029C7		⧇						\boxcircle	squared small circle
U+029C8		⧈						\boxbox	squared square
U+029CD		⧍						\triangleserifs	triangle with serifs at bottom
U+029D6		⧖						\hourglass	white hourglass
U+029D7		⧗						\blackhourglass	black hourglass
U+029E2		⧢						\shuffle	shuffle product
U+029EB		◆	◆					\mdlgblklozenge	black lozenge
U+029F5		\				\	\	\reversesolidus	reverse solidus
U+029F6		⧶				⧶		\dsol	solidus with overbar
U+029F7		⧷				⧷		\rsolbar	reverse solidus with horizontal stroke
U+029FA		⧺						\doubleplus	double plus
U+029FB		⧻						\tripleplus	triple plus
U+029FE		⧾						\tplus	tiny
U+029FF		⧿						\tminus	miny
U+02A22		⨢						\ringplus	plus sign with small circle above
U+02A23		⨣						\plushat	plus sign with circumflex accent above
U+02A24		⨤						\simplus	plus sign with tilde above
U+02A25		⨥						\plusdot	plus sign with dot below
U+02A26		⨦						\plussim	plus sign with tilde below
U+02A27		⨧						\plussubtwo	plus sign with subscript two
U+02A28		⨨						\plustrif	plus sign with black triangle
U+02A29		⨩						\commaminus	minus sign with comma above
U+02A2A		⨪						\minusdot	minus sign with dot below

USV	M	S	C	P	D	L	G	Macro	Description
U+02A2B		∸						\minusfdots	minus sign with falling dots
U+02A2C		∹						\minusrdots	minus sign with rising dots
U+02A2D		⨭						\opluslhrim	plus sign in left half circle
U+02A2E		⨮						\oplusrhrim	plus sign in right half circle
U+02A2F	×	×	×	×	×		×	\vectimes	vector or cross product
U+02A30		⨰						\dottimes	multiplication sign with dot above
U+02A31		⨱						\timesbar	multiplication sign with underbar
U+02A32		⨲						\btimes	semidirect product with bottom closed
U+02A33		⨳						\smashtimes	smash product
U+02A34		⨴						\otimeslhrim	multiplication sign in left half circle
U+02A35		⨵						\otimesrhrim	multiplication sign in right half circle
U+02A36		⨶						\otimeshat	circled multiplication sign with circumflex accent
U+02A37		⨷						\Otimes	multiplication sign in double circle
U+02A38		⨸						\odiv	circled division sign
U+02A39		⨹						\triangleplus	plus sign in triangle
U+02A3A		⨺						\triangleminus	minus sign in triangle
U+02A3B		⨻						\triangletimes	multiplication sign in triangle
U+02A3C		⨼						\intprod	interior product
U+02A3D		⨽						\intprodr	righthand interior product
U+02A3E		⨾						\fcmp	z notation relational composition
U+02A3F	⨿	⨿	⨿	⨿	⨿	⨿	⨿	\amalg(p)	amalgamation or coproduct
U+02A40		⩀						\capdot	intersection with dot
U+02A41		⩁						\uminus	union with minus sign
U+02A42		⩂						\barcup	union with overbar
U+02A43		⩃						\barcap	intersection with overbar
U+02A44		⩄						\capwedge	intersection with logical and
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

USV	M	S	C	P	D	L	G	Macro	Description
U+02A49								\capbarcup	intersection above bar above union
U+02A4A								\twocups	union beside and joined with union
U+02A4B								\twocaps	intersection beside and joined with intersection
U+02A4C								\closedvarcup	closed union with serifs
U+02A4D								\closedvarcap	closed intersection with serifs
U+02A4E								\Sqcap	double square intersection
U+02A4F								\Sqcup	double square union
U+02A50								\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51								\wedgeodot	logical and with dot above
U+02A52								\veeodot	logical or with dot above
U+02A53								\Wedge	double logical and
U+02A54								\Vee	double logical or
U+02A55								\wedgeonwedge	two intersecting logical and
U+02A56								\veeonvee	two intersecting logical or
U+02A57								\bigslopedvee	sloping large or
U+02A58								\bigslopedwedge	sloping large and
U+02A5A								\wedgemidvert	logical and with middle stem
U+02A5B								\veemidvert	logical or with middle stem
U+02A5C								\midbarwedge	ogical and with horizontal dash
U+02A5D								\midbarvee	logical or with horizontal dash
U+02A5E								\doublebarwedge[a]	logical and with double overbar
U+02A5F								\wedgebar	logical and with underbar
U+02A60								\wedgedoublebar	logical and with double underbar
U+02A61								\varveebar	small vee with underbar
U+02A62								\doublebarvee	logical or with double overbar
U+02A63								\veedoublebar	logical or with double underbar
U+02A64								\dsub	z notation domain antirestriction
U+02A65								\rsub	z notation range antirestriction
U+02A71								\eqqplus	equals sign above plus sign
U+02A72								\pluseqq	plus sign above equals sign
U+02AF4								\interleave	triple vertical bar binary relation

USV	M	S	C	P	D	L	G	Macro	Description
U+02AF5		⫵						\nhVvert	triple vertical bar with horizontal stroke
U+02AF6		⫶						\threedotcolon	triple colon operator
U+02AFB		⫻						\trslash	triple solidus binary relation
U+02AFD		⫽						\sslash	double solidus operator
U+02AFE		⫾						\talloblong	white vertical bar

13 Ordinary symbols, \mathord

USV	M	S	C	P	D	L	G	Macro	Description
U+00023	#	#	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	$	$	$	$	$	$	$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	%	%	\mathpercent	percent sign
U+00026	&	&	&	&	&	&	&	\mathampersand	ampersand
U+0002E	.	.	.	.	.	.	.	\mathperiod	full stop, period
U+0002F	/	/	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	?	?	\mathquestion	question mark
U+00040	@	@	@	@	@	@	@	\mathatsign	commercial at
U+0005C	\	\	\	\	\	\	\	\backslash(p)	reverse solidus
U+000A3	£	£	£	£	£	£	£	\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥	¥	\mathyen	yen sign
U+000A7	§	§	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	¬	¬	\neg(p)	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	¶	¶	\mathparagraph	paragraph symbol
U+001B5		Ƶ	Ƶ			Ƶ		\Zbar	impedance (latin capital letter z with stroke)
U+003F6		϶	϶			϶		\upbackepsilon	greek reversed lunate epsilon symbol
U+02015	―	―	―	―	―	―	―	\horizbar	horizontal bar
U+02017	‗	‗		‗	‗	‗	‗	\twolowline	double low line (spacing)
U+02025		‥				‥		\enleadertwodots	double baseline dot (en leader)
U+02026	…	…	…	…	…	…	…	\unicodeellipsis	ellipsis (horizontal)
U+02032	′	′	′	′	′	′	′	\prime(p)	prime or minute, not superscripted
U+02033	″	″	″	″	″	″	″	\dprime	double prime or second, not superscripted

USV	M	S	C	P	D	L	G	Macro	Description
U+02034	‴	‴	‴	‴	‴	‴	‴	\trprime	triple prime (not superscripted)
U+02035	‵	‵	‵	‵	‵	‵	‵	\backprime[a]	reverse prime, not superscripted
U+02036	‶	‶	‶	‶	‶	‶	‶	\backdprime	double reverse prime, not superscripted
U+02037	‷	‷	‷	‷	‷	‷	‷	\backtrprime	triple reverse prime, not superscripted
U+02038		‸						\caretinsert	caret (insertion mark)
U+0203C		‼				‼		\Exclam	double exclamation mark
U+02043		⁃						\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		⁇				⁇		\Question	double question mark
U+02057	⁗	⁗	⁗	⁗	⁗	⁗	⁗	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	◯	◯	◯	◯	◯		◯	\enclosecircle	combining enclosing circle
U+020DE	□	□	□	□	□		□	\enclosesquare	combining enclosing square
U+020DF	◇	◇	◇	◇	◇		◇	\enclosediamond	combining enclosing diamond
U+020E4	△	△	△	△	△		△	\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℇ	ℇ	ℇ	ℇ	ℇ		ℇ	\Eulerconst	euler constant
U+0210E	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		Ⅎ	Ⅎ					\Finv[a]	turned capital f
U+0213C	ℼ	ℼ		π	ℿ		π	\Bbbpi	double-struck small pi
U+02141		⅁	⅁					\Game[a]	turned sans-serif capital g
U+02142		⅂						\sansLturned	turned sans-serif capital l
U+02143		⅃						\sansLmirrored	reversed sans-serif capital l
U+02144		⅄						\Yup	turned sans-serif capital y
U+02145	ⅅ	ⅅ		ⅅ	ⅅ		ⅅ	\mitBbbD	double-struck italic capital d
U+02146	ⅆ	ⅆ		ⅆ	ⅆ		ⅆ	\mitBbbd	double-struck italic small d
U+02147	ⅇ	ⅇ		ⅇ	ⅇ		ⅇ	\mitBbbe	double-struck italic small e
U+02148	ⅈ	ⅈ		ⅈ	ⅈ		ⅈ	\mitBbbi	double-struck italic small i
U+02149	ⅉ	ⅉ		ⅉ	ⅉ		ⅉ	\mitBbbj	double-struck italic small j
U+0214A		⅊						\PropertyLine	property line
U+021A8		↕				↕	↕	\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↴	↴		↴	↴	↴	↴	\linefeed	rightwards arrow with corner downwards

USV	M	S	C	P	D	L	G	Macro	Description
U+021B5	↵	↵		↵	↵	↵	↵	\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8		↖				↖	↖	\barovernorthwestarrow	north west arrow to long bar
U+021B9		↹				↹	↹	\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↺	↺	↺	↺	↺	↺	↺	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻	\cwopencirclearrow	clockwise open circle arrow
U+021DE		⇞				⇞	⇞	\nHuparrow	upwards arrow with double stroke
U+021DF		⇟				⇟	⇟	\nHdownarrow	downwards arrow with double stroke
U+021E0		⇠	⇠			⇠	⇠	\leftdasharrow	leftwards dashed arrow
U+021E1		⇡	⇡			⇡	⇡	\updasharrow	upwards dashed arrow
U+021E2		⇢	⇢			⇢	⇢	\rightdasharrow	rightwards dashed arrow
U+021E3		⇣	⇣			⇣	⇣	\downdasharrow	downwards dashed arrow
U+021E6	⇦	⇦	⇦	⇦	⇦	⇦	⇦	\leftwhitearrow	leftwards white arrow
U+021E7	⇧	⇧	⇧	⇧	⇧	⇧	⇧	\upwhitearrow	upwards white arrow
U+021E8	⇨	⇨	⇨	⇨	⇨	⇨	⇨	\rightwhitearrow	rightwards white arrow
U+021E9	⇩	⇩	⇩	⇩	⇩	⇩	⇩	\downwhitearrow	downwards white arrow
U+021EA		⇪				⇪	⇪	\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	\forall(p)	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	\complement(a)	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	\exists(p)	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	\nexists(a)	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	\varnothing(a)	circle, slash
U+02206	∆	∆	∆	∆	∆	∆	∆	\increment	laplacian (delta; nabla^2)
U+0220E	∎	∎	∎	∎	∎	∎	∎	\QED	end of proof
U+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

USV	M	S	C	P	D	L	G	Macro	Description
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
U+02319								\turnednot	turned not sign
U+02320								\inttop	top half integral
U+02321								\intbottom	bottom half integral
U+0232C								\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332								\conictaper	conical taper
U+02336								\topbot	top and bottom
U+02340								\APLnotbackslash	apl functional symbol backslash bar
U+02353								\APLboxupcaret	boxed up caret
U+02370								\APLboxquestion	boxed question mark
U+0237C								\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394								\hexagon	horizontal benzene ring [hexagon flat open]
U+0239B								\lparenuend	left parenthesis upper hook
U+0239C								\lparenextender	left parenthesis extension
U+0239D								\lparenlend	left parenthesis lower hook
U+0239E								\rparenuend	right parenthesis upper hook
U+0239F								\rparenextender	right parenthesis extension

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+023B9								\rvboxline	right vertical box line
U+023CE								\varcarriagereturn	return symbol
U+023E0								\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1								\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2								\trapezium	white trapezium
U+023E3								\benzenr	benzene ring with circle
U+023E4								\strns	straightness
U+023E5								\fltns	flatness
U+023E6								\accurrent	ac current
U+023E7								\elinters	electrical intersection
U+02422								\blanksymbol	blank symbol
U+02423								\mathvisiblespace	open box
U+02506								\bdtriplevdash	doubly broken vert
U+02580								\blockuphalf	upper half block
U+02584								\blocklowhalf	lower half block
U+02588								\blockfull	full block
U+0258C								\blocklefthalf	left half block
U+02590								\blockrighthalf	right half block
U+02591								\blockqtrshaded	25% shaded block
U+02592								\blockhalfshaded	50% shaded block
U+02593								\blockthreeqtrshaded	75% shaded block
U+025A0								\mdlgblksquare	square, filled
U+025A1								\mdlgwhtsquare	square, open
U+025A2								\squoval	white square with rounded corners
U+025A3								\blackinwhitesquare	white square containing black small square
U+025A4								\squarehfill	square, horizontal rule filled
U+025A5								\squarevfill	square, vertical rule filled
U+025A6								\squarehvfill	square with orthogonal crosshatch fill
U+025A7								\squarenwsefill	square, nw-to-se rule filled
U+025A8								\squareneswfill	square, ne-to-sw rule filled
U+025A9								\squarecrossfill	square with diagonal crosshatch fill
U+025AA								\smblksquare	/blacksquare - sq bullet, filled

USV	M	S	C	P	D	L	G	Macro	Description
U+025AB								`\smwhtsquare`	white small square
U+025AC								`\hrectangleblack`	black rectangle
U+025AD								`\hrectangle`	horizontal rectangle, open
U+025AE								`\vrectangleblack`	black vertical rectangle
U+025AF								`\vrectangle`	rectangle, white (vertical)
U+025B0								`\parallelogramblack`	black parallelogram
U+025B1								`\parallelogram`	parallelogram, open
U+025B2								`\bigblacktriangleup`	black up-pointing triangle
U+025B4								`\blacktriangle`[a]	up triangle, filled
U+025B6								`\blacktriangleright`[a]	(large) right triangle, filled
U+025B8								`\smallblacktriangleright`	right triangle, filled
U+025B9								`\smalltriangleright`	right triangle, open
U+025BA								`\blackpointerright`	black right-pointing pointer
U+025BB								`\whitepointerright`	white right-pointing pointer
U+025BC								`\bigblacktriangledown`	big down triangle, filled
U+025BD								`\bigtriangledown`[p]	big down triangle, open
U+025BE								`\blacktriangledown`[a]	down triangle, filled
U+025BF								`\triangledown`[a]	down triangle, open
U+025C0								`\blacktriangleleft`[a]	(large) left triangle, filled
U+025C2								`\smallblacktriangleleft`	left triangle, filled
U+025C3								`\smalltriangleleft`	left triangle, open
U+025C4								`\blackpointerleft`	black left-pointing pointer
U+025C5								`\whitepointerleft`	white left-pointing pointer
U+025C6								`\mdlgblkdiamond`	black diamond
U+025C7								`\mdlgwhtdiamond`	white diamond; diamond, open
U+025C8								`\blackinwhitediamond`	white diamond containing black small diamond
U+025C9								`\fisheye`	fisheye
U+025CA								`\mdlgwhtlozenge`	lozenge or total mark
U+025CC								`\dottedcircle`	dotted circle
U+025CD								`\circlevertfill`	circle with vertical fill
U+025CE								`\bullseye`	bullseye
U+025CF								`\mdlgblkcircle`	circle, filled
U+025D0								`\circlelefthalfblack`	circle, filled left half [harvey ball]
U+025D1								`\circlerighthalfblack`	circle, filled right half

USV	M	S	C	P	D	L	G	Macro	Description
U+025D2								\circlebottomhalfblack	circle, filled bottom half
U+025D3								\circletophalfblack	circle, filled top half
U+025D4								\circleurquadblack	circle with upper right quadrant black
U+025D5								\blackcircleulquadwhite	circle with all but upper left quadrant black
U+025D6								\blacklefthalfcircle	left half black circle
U+025D7								\blackrighthalfcircle	right half black circle
U+025D8								\inversebullet	inverse bullet
U+025D9								\inversewhitecircle	inverse white circle
U+025DA								\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB								\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC								\ularc	upper left quadrant circular arc
U+025DD								\urarc	upper right quadrant circular arc
U+025DE								\lrarc	lower right quadrant circular arc
U+025DF								\llarc	lower left quadrant circular arc
U+025E0								\topsemicircle	upper half circle
U+025E1								\botsemicircle	lower half circle
U+025E2								\lrblacktriangle	lower right triangle, filled
U+025E3								\llblacktriangle	lower left triangle, filled
U+025E4								\ulblacktriangle	upper left triangle, filled
U+025E5								\urblacktriangle	upper right triangle, filled
U+025E6								\smwhtcircle	white bullet
U+025E7								\squareleftblack	square, filled left half
U+025E8								\squarerightblack	square, filled right half
U+025E9								\squareulblack	square, filled top left corner
U+025EA								\squarelrblack	square, filled bottom right corner
U+025EC								\trianglecdot	triangle with centered dot
U+025ED								\triangleleftblack	up-pointing triangle with left half black
U+025EE								\trianglerightblack	up-pointing triangle with right half black
U+025EF								\lgwhtcircle	large circle
U+025F0								\squareulquad	white square with upper left quadrant
U+025F1								\squarellquad	white square with lower left quadrant

USV	M	S	C	P	D	L	G	Macro	Description
U+025F2								\squarelrquad	white square with lower right quadrant
U+025F3								\squareurquad	white square with upper right quadrant
U+025F4								\circleulquad	white circle with upper left quadrant
U+025F5								\circlellquad	white circle with lower left quadrant
U+025F6								\circlelrquad	white circle with lower right quadrant
U+025F7								\circleurquad	white circle with upper right quadrant
U+025F8								\ultriangle	upper left triangle
U+025F9								\urtriangle	upper right triangle
U+025FA								\lltriangle	lower left triangle
U+025FB								\mdwhtsquare	white medium square
U+025FC								\mdblksquare	black medium square
U+025FD								\mdsmwhtsquare	white medium small square
U+025FE								\mdsmblksquare	black medium small square
U+025FF								\lrtriangle	lower right triangle
U+02605								\bigstar[a]	star, filled
U+02606								\bigwhitestar	star, open
U+02609								\astrosun	sun
U+02621								\danger	dangerous bend (caution sign)
U+0263B								\blacksmiley	black smiling face
U+0263C								\sun	white sun with rays
U+0263D								\rightmoon	first quarter moon
U+0263E								\leftmoon	last quarter moon
U+02640								\female	venus, female
U+02642								\male	mars, male
U+02660								\spadesuit[p]	spades suit symbol
U+02661								\heartsuit[p]	heart suit symbol
U+02662								\diamondsuit[p]	diamond suit symbol
U+02663								\clubsuit[p]	club suit symbol
U+02664								\varspadesuit	spade, white (card suit)
U+02665								\varheartsuit	filled heart (card suit)
U+02666								\vardiamondsuit	filled diamond (card suit)
U+02667								\varclubsuit	club, white (card suit)

USV	M	S	C	P	D	L	G	Macro	Description
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
U+02688		⚈						\blackcircledrightdot	black circle with white dot right
U+02689		⚉						\blackcircledtwodots	black circle with two white dots
U+026A5		⚥				⚥		\Hermaphrodite	male and female sign
U+026AA		⚪	○					\mdwhtcircle	medium white circle
U+026AB		⚫	●					\mdblkcircle	medium black circle
U+026AC		⚬	○			○		\mdsmwhtcircle	medium small white circle
U+026B2		⚲						\neuter	neuter
U+02713	✓	✓	✓	✓	✓			\checkmark	tick, check mark
U+02720	✠	✠	✠	✠	✠			\maltese	maltese cross
U+0272A		✪						\circledstar	circled white star
U+02736		✶						\varstar	six pointed black star
U+0273D		✽						\dingasterisk	heavy teardrop-spoked asterisk
U+0279B		➛						\draftingarrow	right arrow with bold head (drafting)
U+027C0		⟀						\threedangle	three dimensional angle
U+027C1		⟁						\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3		⟃						\subsetcirc	open subset
U+027C4		⟄						\supsetcirc	open superset
U+027CB		⟋	⟋					\diagup(a)	mathematical rising diagonal
U+027CD		⟍	⟍					\diagdown(a)	mathematical falling diagonal

USV	M	S	C	P	D	L	G	Macro	Description
U+027D0								\diamondcdot	white diamond with centred dot
U+0292B								\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C								\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D								\seovnearrow	south east arrow crossing north east arrow
U+0292E								\neovsearrow	north east arrow crossing south east arrow
U+0292F								\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930								\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931								\neovnwarrow	north east arrow crossing north west arrow
U+02932								\nwovnearrow	north west arrow crossing north east arrow
U+02934								\uprightcurvearrow	arrow pointing rightwards then curving upwards
U+02935								\downrightcurvedarrow	arrow pointing rightwards then curving downwards
U+02981								\mdsmblkcircle	z notation spot
U+02999								\fourvdots	dotted fence
U+0299A								\vzigzag	vertical zigzag line
U+0299B								\measuredangleleft	measured angle opening left
U+0299C								\rightanglesqr	right angle variant with square
U+0299D								\rightanglemdot	measured right angle with dot
U+0299E								\angles	angle with s inside
U+0299F								\angdnr	acute angle
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

USV	M	S	C	P	D	L	G	Macro	Description
U+029A9								\measanglelutonw	measured angle with open arm ending in arrow pointing up and left
U+029AA								\measanglerdtose	measured angle with open arm ending in arrow pointing down and right
U+029AB								\measangleldtosw	measured angle with open arm ending in arrow pointing down and left
U+029AC								\measangleurtone	measured angle with open arm ending in arrow pointing right and up
U+029AD								\measangleultonw	measured angle with open arm ending in arrow pointing left and up
U+029AE								\measangledrtose	measured angle with open arm ending in arrow pointing right and down
U+029AF								\measangledltosw	measured angle with open arm ending in arrow pointing left and down
U+029B0								\revemptyset	reversed empty set
U+029B1								\emptysetobar	empty set with overbar
U+029B2								\emptysetocirc	empty set with small circle above
U+029B3								\emptysetoarr	empty set with right arrow above
U+029B4								\emptysetoarrl	empty set with left arrow above
U+029BA								\obot	circle divided by horizontal bar and top half divided by vertical bar
U+029BB								\olcross	circle with superimposed x
U+029BC								\odotslashdot	circled anticlockwise-rotated division sign
U+029BD								\uparrowoncircle	up arrow through circle
U+029BE								\circledwhitebullet	circled white bullet
U+029BF								\circledbullet	circled bullet
U+029C2								\cirscir	circle with small circle to the right
U+029C3								\cirE	circle with two horizontal strokes to the right
U+029C9								\boxonbox	two joined squares
U+029CA								\triangleodot	triangle with dot above
U+029CB								\triangleubar	triangle with underbar
U+029CC								\triangles	s in triangle
U+029DC								\iinfin	incomplete infinity

USV	M	S	C	P	D	L	G	Macro	Description
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
U+029F3								\errbarblackcircle	error-barred black circle
U+02AE1								\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

USV	M	S	C	P	D	L	G	Macro	Description
U+02B21		⬡						\varhexagon	white hexagon
U+02B22		⬢						\varhexagonblack	black hexagon
U+02B23		⬣						\hexagonblack	horizontal black hexagon
U+02B24		●	●					\lgblkcircle	black large circle
U+02B25		◆	◆					\mdblkdiamond	black medium diamond
U+02B26		◇	◇					\mdwhtdiamond	white medium diamond
U+02B27		⧫	⧫					\mdblklozenge	black medium lozenge
U+02B28		◊	◊					\mdwhtlozenge	white medium lozenge
U+02B29		◆	◆					\smblkdiamond	black small diamond
U+02B2A		⧫	◆					\smblklozenge	black small lozenge
U+02B2B		◊	◇					\smwhtlozenge	white small lozenge
U+02B2C		⬬						\blkhorzoval	black horizontal ellipse
U+02B2D		⬭						\whthorzoval	white horizontal ellipse
U+02B2E		⬮						\blkvertoval	black vertical ellipse
U+02B2F		⬯						\whtvertoval	white vertical ellipse
U+02B50		☆						\medwhitestar	white medium star
U+02B51		★						\medblackstar	black medium star
U+02B52		☆						\smwhitestar	white small star
U+02B53		⬟						\rightpentagonblack	black right-pointing pentagon
U+02B54		⬠						\rightpentagon	white right-pointing pentagon
U+03012		〒						\postalmark	postal mark
U+03030		〰						\hzigzag	zigzag
U+1D7CE	𝟎	𝟎	𝟎	𝟎	𝟎	𝟎	𝟎	\mbfzero	mathematical bold digit 0
U+1D7CF	𝟏	𝟏	𝟏	𝟏	𝟏	𝟏	𝟏	\mbfone	mathematical bold digit 1
U+1D7D0	𝟐	𝟐	𝟐	𝟐	𝟐	𝟐	𝟐	\mbftwo	mathematical bold digit 2
U+1D7D1	𝟑	𝟑	𝟑	𝟑	𝟑	𝟑	𝟑	\mbfthree	mathematical bold digit 3
U+1D7D2	𝟒	𝟒	𝟒	𝟒	𝟒	𝟒	𝟒	\mbffour	mathematical bold digit 4
U+1D7D3	𝟓	𝟓	𝟓	𝟓	𝟓	𝟓	𝟓	\mbffive	mathematical bold digit 5
U+1D7D4	𝟔	𝟔	𝟔	𝟔	𝟔	𝟔	𝟔	\mbfsix	mathematical bold digit 6
U+1D7D5	𝟕	𝟕	𝟕	𝟕	𝟕	𝟕	𝟕	\mbfseven	mathematical bold digit 7
U+1D7D6	𝟖	𝟖	𝟖	𝟖	𝟖	𝟖	𝟖	\mbfeight	mathematical bold digit 8
U+1D7D7	𝟗	𝟗	𝟗	𝟗	𝟗	𝟗	𝟗	\mbfnine	mathematical bold digit 9
U+1D7D8	𝟘	𝟘	𝟘	𝟘	𝟘	𝟘	𝟘	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	𝟙	𝟙	𝟙	𝟙	𝟙	𝟙	𝟙	\Bbbone	mathematical double-struck digit 1

USV	M	S	C	P	D	L	G	Macro	Description
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
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
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

USV	M	S	C	P	D	L	G	Macro	Description
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	\mtttthree	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

14 Relation symbols, \mathrel

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
U+0219B								`\nrightarrow`[a]	not right arrow
U+0219C								`\leftwavearrow`	left arrow-wavy
U+0219D								`\rightwavearrow`	right arrow-wavy
U+0219E								`\twoheadleftarrow`[a]	left two-headed arrow
U+0219F								`\twoheaduparrow`	up two-headed arrow
U+021A0								`\twoheadrightarrow`[a]	right two-headed arrow
U+021A1								`\twoheaddownarrow`	down two-headed arrow
U+021A2								`\leftarrowtail`[a]	left arrow-tailed
U+021A3								`\rightarrowtail`[a]	right arrow-tailed
U+021A4								`\mapsfrom`	maps to, leftward
U+021A5								`\mapsup`	maps to, upward
U+021A6								`\mapsto`[p]	maps to, rightward
U+021A7								`\mapsdown`	maps to, downward
U+021A9								`\hookleftarrow`[p]	left arrow-hooked
U+021AA								`\hookrightarrow`[p]	right arrow-hooked
U+021AB								`\looparrowleft`[a]	left arrow-looped
U+021AC								`\looparrowright`[a]	right arrow-looped
U+021AD								`\leftrightsquigarrow`[a]	left and right arr-wavy
U+021AE								`\nleftrightarrow`[a]	not left and right arrow
U+021AF								`\downzigzagarrow`	downwards zigzag arrow
U+021B0								`\Lsh`[a]	/lsh a:
U+021B1								`\Rsh`[a]	/rsh a:
U+021B2								`\Ldsh`	left down angled arrow
U+021B3								`\Rdsh`	right down angled arrow
U+021B6								`\curvearrowleft`[a]	left curved arrow
U+021B7								`\curvearrowright`[a]	right curved arrow
U+021BC								`\leftharpoonup`[p]	left harpoon-up
U+021BD								`\leftharpoondown`[p]	left harpoon-down
U+021BE								`\upharpoonright`[a]	/upharpoonright /restriction a: up harpoon-right
U+021BF								`\upharpoonleft`[a]	up harpoon-left
U+021C0								`\rightharpoonup`[p]	right harpoon-up
U+021C1								`\rightharpoondown`[p]	right harpoon-down
U+021C2								`\downharpoonright`[a]	down harpoon-right
U+021C3								`\downharpoonleft`[a]	down harpoon-left

USV	M	S	C	P	D	L	G	Macro	Description
U+021C4								`\rightleftarrows`[a]	right arrow over left arrow
U+021C5								`\updownarrows`	up arrow, down arrow
U+021C6								`\leftrightarrows`[a]	left arrow over right arrow
U+021C7								`\leftleftarrows`[a]	two left arrows
U+021C8								`\upuparrows`[a]	two up arrows
U+021C9								`\rightrightarrows`[a]	two right arrows
U+021CA								`\downdownarrows`[a]	two down arrows
U+021CB								`\leftrightharpoons`[a]	left harpoon over right
U+021CC								`\rightleftharpoons`[l]	right harpoon over left
U+021CD								`\nLeftarrow`[a]	not implied by
U+021CE								`\nLeftrightarrow`[a]	not left and right double arrows
U+021CF								`\nRightarrow`[a]	not implies
U+021D0								`\Leftarrow`[p]	is implied by
U+021D1								`\Uparrow`[p]	up double arrow
U+021D2								`\Rightarrow`[p]	implies
U+021D3								`\Downarrow`[p]	down double arrow
U+021D4								`\Leftrightarrow`[p]	left and right double arrow
U+021D5								`\Updownarrow`[p]	up and down double arrow
U+021D6								`\Nwarrow`	nw pointing double arrow
U+021D7								`\Nearrow`	ne pointing double arrow
U+021D8								`\Searrow`	se pointing double arrow
U+021D9								`\Swarrow`	sw pointing double arrow
U+021DA								`\Lleftarrow`[a]	left triple arrow
U+021DB								`\Rrightarrow`[a]	right triple arrow
U+021DC								`\leftsquigarrow`	leftwards squiggle arrow
U+021DD								`\rightsquigarrow`[a]	rightwards squiggle arrow
U+021E4								`\barleftarrow`	leftwards arrow to bar
U+021E5								`\rightarrowbar`	rightwards arrow to bar
U+021F4								`\circleonrightarrow`	right arrow with small circle
U+021F5								`\downuparrows`	downwards arrow leftwards of upwards arrow
U+021F6								`\rightthreearrows`	three rightwards arrows
U+021F7								`\nvleftarrow`	leftwards arrow with vertical stroke
U+021F8								`\nvrightarrow`	rightwards arrow with vertical stroke

USV	M	S	C	P	D	L	G	Macro	Description
U+021F9		⇹				⇹	⇹	\nvleftrightarrow	left right arrow with vertical stroke
U+021FA		⇺				⇺	⇺	\nVleftarrow	leftwards arrow with double vertical stroke
U+021FB		⇻				⇻	⇻	\nVrightarrow	rightwards arrow with double vertical stroke
U+021FC		⇼				⇼	⇼	\nVleftrightarrow	left right arrow with double vertical stroke
U+021FD		←				←	←	\leftarrowtriangle	leftwards open-headed arrow
U+021FE		→				→	→	\rightarrowtriangle	rightwards open-headed arrow
U+021FF		↔				↔	↔	\leftrightarrowtriangle	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	\in(p)	set membership, variant
U+02209	∉	∉	∉	∉	∉	∉	∉	\notin(l)	negated set membership
U+0220A	∊	∊	∊	∊	∊	∊	∊	\smallin	set membership (small set membership)
U+0220B	∋	∋	∋	∋	∋	∋	∋	\ni(p)	contains, variant
U+0220C	∌	∌	∌	∌	∌	∌	∌	\nni	negated contains, variant
U+0220D	∍	∍	∍	∍	∍	∍	∍	\smallni	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	\propto(p)	is proportional to
U+02223	∣	∣	∣	∣	∣	∣	∣	\mid(p)	/mid r:
U+02224	∤	∤	∤	∤	∤	∤	∤	\nmid(a)	negated mid
U+02225	∥	∥	∥	∥	∥	∥	∥	\parallel(p)	parallel
U+02226	∦	∦	∦	∦	∦	∦	∦	\nparallel(a)	not parallel
U+02236	∶	∶	∶	∶	∶	∶	∶	\mathratio	ratio
U+02237	∷	∷	∷	∷	∷	∷	∷	\Colon	two colons
U+02239	∹	∹	∹	∹	∹	∹	∹	\dashcolon	excess (-:)
U+0223A	∺	∺	∺	∺	∺	∺	∺	\dotsminusdots	minus with four dots, geometric properties
U+0223B	∻	∻	∻	∻	∻	∻	∻	\kernelcontraction	homothetic
U+0223C	∼	∼	∼	∼	∼	∼	∼	\sim(p)	similar
U+0223D	∽	∽	∽	∽	∽	∽	∽	\backsim(a)	reverse similar
U+02241	≁	≁	≁	≁	≁	≁	≁	\nsim(a)	not similar
U+02242	≂	≂	≂	≂	≂	≂	≂	\eqsim(a)	equals, similar
U+02243	≃	≃	≃	≃	≃	≃	≃	\simeq(p)	similar, equals
U+02244	≄	≄	≄	≄	≄	≄	≄	\nsime	not similar, equals
U+02243	≃	≃	≃	≃	≃	≃	≃	\sime	similar, equals (alias)
U+02244	≄	≄	≄	≄	≄	≄	≄	\nsimeq	not similar, equals (alias)

USV	M	S	C	P	D	L	G	Macro	Description
U+02245	≅	≅	≅	≅	≅	≅	≅	\cong(l)	congruent with
U+02246	≆	≆	≆	≆	≆	≆	≆	\simneqq	similar, not equals [vert only for 9573 entity]
U+02247	≇	≇	≇	≇	≇	≇	≇	\ncong(a)	not congruent with
U+02248	≈	≈	≈	≈	≈	≈	≈	\approx(p)	approximate
U+02249	≉	≉	≉	≉	≉	≉	≉	\napprox	not approximate
U+0224A	≊	≊	≊	≊	≊	≊	≊	\approxeq(a)	approximate, equals
U+0224B	≋	≋	≋	≋	≋	≋	≋	\approxident	approximately identical to
U+0224C	≌	≌	≌	≌	≌	≌	≌	\backcong	all equal to
U+0224D	≍	≍	≍	≍	≍	≍	≍	\asymp(p)	asymptotically equal to
U+0224E	≎	≎	≎	≎	≎		≎	\Bumpeq(a)	bumpy equals
U+0224F	≏	≏	≏	≏	≏		≏	\bumpeq(a)	bumpy equals, equals
U+02250	≐	≐	≐	≐	≐	≐	≐	\doteq(l)	equals, single dot above
U+02251	≑	≑	≑	≑	≑	≑	≑	\Doteq(a)	/doteqdot /doteq r: equals, even dots
U+02252	≒	≒	≒	≒	≒	≒	≒	\fallingdotseq(a)	equals, falling dots
U+02253	≓	≓	≓	≓	≓	≓	≓	\risingdotseq(a)	equals, rising dots
U+02254	≔	≔	≔	≔	≔	≔	≔	\coloneq	colon, equals
U+02255	≕	≕	≕	≕	≕	≕	≕	\eqcolon	equals, colon
U+02256	≖	≖	≖	≖	≖	≖	≖	\eqcirc(a)	circle on equals sign
U+02257	≗	≗	≗	≗	≗	≗		\circeq(a)	circle, equals
U+02258	≘	≘	≘	≘	≘	≘		\arceq	arc, equals; corresponds to
U+02259	≙	≙	≙	≙	≙	≙		\wedgeq	corresponds to (wedge, equals)
U+0225A	≚	≚	≚	≚	≚	≚		\veeeq	logical or, equals
U+0225B	≛	≛	≛	≛	≛	≛		\stareq	star equals
U+0225C	≜	≜	≜	≜	≜	≜		\triangleq(a)	triangle, equals
U+0225D	≝	≝	≝	≝	≝	≝		\eqdef	equals by definition
U+0225E	≞	≞	≞	≞	≞	≞		\measeq	measured by (m over equals)
U+0225F	≟	≟	≟	≟	≟	≟		\questeq	equal with questionmark
U+02260	≠	≠	≠	≠	≠	≠	≠	\ne(p)	/ne /neq r: not equal
U+02261	≡	≡	≡	≡	≡	≡	≡	\equiv(p)	identical with
U+02262	≢	≢	≢	≢	≢	≢	≢	\nequiv	not identical with
U+02263	≣	≣	≣	≣	≣	≣	≣	\Equiv	strict equivalence (4 lines)
U+02264	≤	≤	≤	≤	≤	≤	≤	\leq(p)	/leq /le r: less-than-or-equal
U+02265	≥	≥	≥	≥	≥	≥	≥	\geq(p)	/geq /ge r: greater-than-or-equal

USV	M	S	C	P	D	L	G	Macro	Description
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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+02288								`\nsubseteq`[a]	not subset, equals
U+02289								`\nsupseteq`[a]	not superset, equals
U+0228A								`\subsetneq`[a]	subset, not equals
U+0228B								`\supsetneq`[a]	superset, not equals
U+0228F								`\sqsubset`	square subset
U+02290								`\sqsupset`	square superset
U+02291								`\sqsubseteq`[p]	square subset, equals
U+02292								`\sqsupseteq`[p]	square superset, equals
U+022A2								`\vdash`[p]	vertical, dash
U+022A3								`\dashv`[p]	dash, vertical
U+022A6								`\assert`	assertion (vertical, short dash)
U+022A7								`\models`[p]	models (vertical, short double dash)
U+022A8								`\vDash`[a]	vertical, double dash
U+022A9								`\Vdash`[a]	double vertical, dash
U+022AA								`\Vvdash`[a]	triple vertical, dash
U+022AB								`\VDash`	double vert, double dash
U+022AC								`\nvdash`[a]	not vertical, dash
U+022AD								`\nvDash`[a]	not vertical, double dash
U+022AE								`\nVdash`[a]	not double vertical, dash
U+022AF								`\nVDash`[a]	not double vert, double dash
U+022B0								`\prurel`	element precedes under relation
U+022B1								`\scurel`	succeeds under relation
U+022B2								`\vartriangleleft`[a]	left triangle, open, variant
U+022B3								`\vartriangleright`[a]	right triangle, open, variant
U+022B4								`\trianglelefteq`[a]	left triangle, equals
U+022B5								`\trianglerighteq`[a]	right triangle, equals
U+022B6								`\origof`	original of
U+022B7								`\imageof`	image of
U+022B8								`\multimap`[a]	/multimap a:
U+022C8								`\bowtie`[p]	bowtie
U+022CD								`\backsimeq`[a]	reverse similar, equals
U+022D0								`\Subset`[a]	double subset
U+022D1								`\Supset`[a]	double superset
U+022D4								`\pitchfork`[a]	pitchfork

USV	M	S	C	P	D	L	G	Macro	Description
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
U+022E3								`\nsqsupseteq`	not, square superset, equals
U+022E4								`\sqsubsetneq`	square subset, not equals
U+022E5								`\sqsupsetneq`	square superset, not equals
U+022E6								`\lnsim`[a]	less, not similar
U+022E7								`\gnsim`[a]	greater, not similar
U+022E8								`\precnsim`[a]	precedes, not similar
U+022E9								`\succnsim`[a]	succeeds, not similar
U+022EA								`\nvartriangleleft`	not left triangle
U+022EB								`\nvartriangleright`	not right triangle
U+022EC								`\ntrianglelefteq`[a]	not left triangle, equals
U+022ED								`\ntrianglerighteq`[a]	not right triangle, equals
U+022EE								`\vdots`[p]	vertical ellipsis
U+022F0								`\adots`	three dots, ascending
U+022F1								`\ddots`[p]	three dots, descending
U+022F2								`\disin`	element of with long horizontal stroke
U+022F3								`\varisins`	element of with vertical bar at end of horizontal stroke
U+022F4								`\isins`	small element of with vertical bar at end of horizontal stroke
U+022F5								`\isindot`	element of with dot above
U+022F6								`\varisinobar`	element of with overbar

USV	M	S	C	P	D	L	G	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
U+027D4								\pushout	upper left corner with dot
U+027DA								\DashVDash	left and right double turnstile
U+027DB								\dashVdash	left and right tack
U+027DC								\multimapinv	left multimap
U+027DD								\vlongdash	long left tack
U+027DE								\longdashv	long right tack
U+027DF								\cirbot	up tack with circle above
U+027F0								\UUparrow	upwards quadruple arrow
U+027F1								\DDownarrow	downwards quadruple arrow
U+027F2								\acwgapcirclearrow	anticlockwise gapped circle arrow
U+027F3								\cwgapcirclearrow	clockwise gapped circle arrow
U+027F4								\rightarrowonoplus	right arrow with circled plus
U+027F5								\longleftarrow[p]	long leftwards arrow
U+027F6								\longrightarrow[p]	long rightwards arrow

USV	M	S	C	P	D	L	G	Macro	Description
U+027F7								\longleftrightarrow(p)	long left right arrow
U+027F8								\Longleftarrow(p)	long leftwards double arrow
U+027F9								\Longrightarrow(p)	long rightwards double arrow
U+027FA								\Longleftrightarrow(p)	long left right double arrow
U+027FB								\longmapsfrom	long leftwards arrow from bar
U+027FC								\longmapsto(p)	long rightwards arrow from bar
U+027FD								\Longmapsfrom	long leftwards double arrow from bar
U+027FE								\Longmapsto	long rightwards double arrow from bar
U+027FF								\longrightsquigarrow	long rightwards squiggle arrow
U+02900								\nvtwoheadrightarrow	rightwards two-headed arrow with vertical stroke
U+02901								\nVtwoheadrightarrow	rightwards two-headed arrow with double vertical stroke
U+02902								\nvLeftarrow	leftwards double arrow with vertical stroke
U+02903								\nvRightarrow	rightwards double arrow with vertical stroke
U+02904								\nvLeftrightarrow	left right double arrow with vertical stroke
U+02905								\twoheadmapsto	rightwards two-headed arrow from bar
U+02906								\Mapsfrom	leftwards double arrow from bar
U+02907								\Mapsto	rightwards double arrow from bar
U+02908								\downarrowbarred	downwards arrow with horizontal stroke
U+02909								\uparrowbarred	upwards arrow with horizontal stroke
U+0290A								\Uuparrow	upwards triple arrow
U+0290B								\Ddownarrow	downwards triple arrow
U+0290C								\leftbkarrow	leftwards double dash arrow
U+0290D								\rightbkarrow	rightwards double dash arrow
U+0290E								\leftdbkarrow	leftwards triple dash arrow
U+0290F								\dbkarrow	rightwards triple dash arrow
U+02910								\drbkarrow	rightwards two-headed triple dash arrow
U+02911								\rightdotarrow	rightwards arrow with dotted stem
U+02912								\baruparrow	upwards arrow to bar
U+02913								\downarrowbar	downwards arrow to bar

USV	M	S	C	P	D	L	G	Macro	Description
U+02914								\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915								\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916								\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917								\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918								\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919								\lefttail	leftwards arrow-tail
U+0291A								\righttail	rightwards arrow-tail
U+0291B								\leftdbltail	leftwards double arrow-tail
U+0291C								\rightdbltail	rightwards double arrow-tail
U+0291D								\diamondleftarrow	leftwards arrow to black diamond
U+0291E								\rightarrowdiamond	rightwards arrow to black diamond
U+0291F								\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920								\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921								\nwsearrow	north west and south east arrow
U+02922								\neswarrow	north east and south west arrow
U+02923								\hknwarrow	north west arrow with hook
U+02924								\hknearrow	north east arrow with hook
U+02925								\hksearrow	south east arrow with hook
U+02926								\hkswarrow	south west arrow with hook
U+02927								\tona	north west arrow and north east arrow
U+02928								\toea	north east arrow and south east arrow
U+02929								\tosa	south east arrow and south west arrow
U+0292A								\towa	south west arrow and north west arrow
U+02933								\rightcurvedarrow	wave arrow pointing directly right
U+02936								\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
U+02937								\rightdowncurvedarrow	arrow pointing downwards then curving rightwards
U+02938								\cwrightarcarrow	right-side arc clockwise arrow
U+02939								\acwleftarcarrow	left-side arc anticlockwise arrow

USV	M	S	C	P	D	L	G	Macro	Description
U+0293A								\acwoverarcarrow	top arc anticlockwise arrow
U+0293B								\acwunderarcarrow	bottom arc anticlockwise arrow
U+0293C								\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D								\curvearrowleftplus	top arc anticlockwise arrow with plus
U+0293E								\cwundercurvearrow	lower right semicircular clockwise arrow
U+0293F								\ccwundercurvearrow	lower left semicircular anticlockwise arrow
U+02940								\acwcirclearrow	anticlockwise closed circle arrow
U+02941								\cwcirclearrow	clockwise closed circle arrow
U+02942								\rightarrowshortleftarrow	rightwards arrow above short leftwards arrow
U+02943								\leftarrowshortrightarrow	leftwards arrow above short rightwards arrow
U+02944								\shortrightarrowleftarrow	short rightwards arrow above leftwards arrow
U+02945								\rightarrowplus	rightwards arrow with plus below
U+02946								\leftarrowplus	leftwards arrow with plus below
U+02947								\rightarrowx	rightwards arrow through x
U+02948								\leftrightarrowcircle	left right arrow through small circle
U+02949								\twoheaduparrowcircle	upwards two-headed arrow from small circle
U+0294A								\leftrightharpoonupdown	left barb up right barb down harpoon
U+0294B								\leftrightharpoondownup	left barb down right barb up harpoon
U+0294C								\updownharpoonrightleft	up barb right down barb left harpoon
U+0294D								\updownharpoonleftright	up barb left down barb right harpoon
U+0294E								\leftrightharpoonupup	left barb up right barb up harpoon
U+0294F								\updownharpoonrightright	up barb right down barb right harpoon
U+02950								\leftrightharpoondowndown	left barb down right barb down harpoon
U+02951								\updownharpoonleftleft	up barb left down barb left harpoon
U+02952								\barleftharpoonup	leftwards harpoon with barb up to bar

USV	M	S	C	P	D	L	G	Macro	Description
U+02953		⥓						\rightharpoonupbar	rightwards harpoon with barb up to bar
U+02954		⥔						\barupharpoonright	upwards harpoon with barb right to bar
U+02955		⥕						\downharpoonrightbar	downwards harpoon with barb right to bar
U+02956		⥖						\barleftharpoondown	leftwards harpoon with barb down to bar
U+02957		⥗						\rightharpoondownbar	rightwards harpoon with barb down to bar
U+02958		⥘						\barupharpoonleft	upwards harpoon with barb left to bar
U+02959		⥙						\downharpoonleftbar	downwards harpoon with barb left to bar
U+0295A		⥚						\leftharpoonupbar	leftwards harpoon with barb up from bar
U+0295B		⥛						\barrightharpoonup	rightwards harpoon with barb up from bar
U+0295C		⥜						\upharpoonrightbar	upwards harpoon with barb right from bar
U+0295D		⥝						\bardownharpoonright	downwards harpoon with barb right from bar
U+0295E		⥞						\leftharpoondownbar	leftwards harpoon with barb down from bar
U+0295F		⥟						\barrightharpoondown	rightwards harpoon with barb down from bar
U+02960		⥠						\upharpoonleftbar	upwards harpoon with barb left from bar
U+02961		⥡						\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		⥢						\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⥣						\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⥤						\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⥥						\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⥦						\leftrightharpoonsup	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⥧						\leftrightharpoonsdown	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⥨						\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up

USV	M	S	C	P	D	L	G	Macro	Description
U+02969		⥩						\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⥪						\leftharpoonupdash	leftwards harpoon with barb up above long dash
U+0296B		⥫						\dashleftharpoondown	leftwards harpoon with barb down below long dash
U+0296C		⥬						\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0296D		⥭						\dashrightharpoondown	rightwards harpoon with barb down below long dash
U+0296E		⥮						\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⥯						\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⥰						\rightimply	right double arrow with rounded head
U+02971		⥱				⥱		\equalrightarrow	equals sign above rightwards arrow
U+02972		⥲				⥲		\similarrightarrow	tilde operator above rightwards arrow
U+02973		⥳				⥳		\leftarrowsimilar	leftwards arrow above tilde operator
U+02974		⥴				⥴		\rightarrowsimilar	rightwards arrow above tilde operator
U+02975		⥵				⥵		\rightarrowapprox	rightwards arrow above almost equal to
U+02976		⥶						\ltlarr	less-than above leftwards arrow
U+02977		⥷						\leftarrowless	leftwards arrow through less-than
U+02978		⥸						\gtrarr	greater-than above rightwards arrow
U+02979		⥹						\subrarr	subset above rightwards arrow
U+0297A		⥺						\leftarrowsubset	leftwards arrow through subset
U+0297B		⥻						\suplarr	superset above leftwards arrow
U+0297C		⥼						\leftfishtail	left fish tail
U+0297D		⥽						\rightfishtail	right fish tail
U+0297E		⥾						\upfishtail	up fish tail
U+0297F		⥿						\downfishtail	down fish tail
U+02982		⦂				⦂		\typecolon	z notation type colon
U+029CE		⧎						\rtriltri	right triangle above left triangle
U+029CF		⧏						\ltrivb	left triangle beside vertical bar
U+029D0		⧐						\vbrtri	vertical bar beside right triangle

USV	M	S	C	P	D	L	G	Macro	Description
U+029D1		⧑						\lfbowtie	left black bowtie
U+029D2		⧒						\rfbowtie	right black bowtie
U+029D3		⧓						\fbowtie	black bowtie
U+029D4		⧔						\lftimes	left black times
U+029D5		⧕						\rftimes	right black times
U+029DF		⧟						\dualmap	double-ended multimap
U+029E1		⧡						\lrtriangleeq	increases as
U+029E3		⧣						\eparsl	equals sign and slanted parallel
U+029E4		⧤						\smeparsl	equals sign and slanted parallel with tilde above
U+029E5		⧥						\eqvparsl	identical to and slanted parallel
U+029E6		⧦						\gleichstark	gleich stark
U+029F4		⧴						\ruledelayed	rule-delayed
U+02A59		⩙						\veeonwedge	logical or overlapping logical and
U+02A66		⩦						\eqdot	equals sign with dot below
U+02A67		⩧						\dotequiv	identical with dot above
U+02A68		⩨						\equivVert	triple horizontal bar with double vertical stroke
U+02A69		⩩						\equivVvert	triple horizontal bar with triple vertical stroke
U+02A6A		⩪					⩪	\dotsim	tilde operator with dot above
U+02A6B		⩫					⩫	\simrdots	tilde operator with rising dots
U+02A6C		⩬					⩬	\simminussim	similar minus similar
U+02A6D		⩭					⩭	\congdot	congruent with dot above
U+02A6E		⩮						\asteq	equals with asterisk
U+02A6F		⩯						\hatapprox	almost equal to with circumflex accent
U+02A70		⩰					⩰	\approxeqq	approximately equal or equal to
U+02A73		⩳					⩳	\eqqsim	equals sign above tilde operator
U+02A74		⩴					⩴	\Coloneq	double colon equal
U+02A75		⩵					⩵	\eqeq	two consecutive equals signs
U+02A76		⩶					⩶	\eqeqeq	three consecutive equals signs
U+02A77		⩷						\ddotseq	equals sign with two dots above and two dots below
U+02A78		⩸						\equivDD	equivalent with four dots above
U+02A79		⩹					⩹	\ltcir	less-than with circle inside
U+02A7A		⩺					⩺	\gtcir	greater-than with circle inside

USV	M	S	C	P	D	L	G	Macro	Description
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
U+02A82								\gesdoto	greater-than or slanted equal to with dot above
U+02A83								\lesdotor	less-than or slanted equal to with dot above right
U+02A84								\gesdotol	greater-than or slanted equal to with dot above left
U+02A85								\lessapprox[a]	less-than or approximate
U+02A86								\gtrapprox[a]	greater-than or approximate
U+02A87								\lneq[a]	less-than and single-line not equal to
U+02A88								\gneq[a]	greater-than and single-line not equal to
U+02A89								\lnapprox[a]	less-than and not approximate
U+02A8A								\gnapprox[a]	greater-than and not approximate
U+02A8B								\lesseqqgtr[a]	less-than above double-line equal above greater-than
U+02A8C								\gtreqqless[a]	greater-than above double-line equal above less-than
U+02A8D								\lsime	less-than above similar or equal
U+02A8E								\gsime	greater-than above similar or equal
U+02A8F								\lsimg	less-than above similar above greater-than
U+02A90								\gsiml	greater-than above similar above less-than
U+02A91								\lgE	less-than above greater-than above double-line equal
U+02A92								\glE	greater-than above less-than above double-line equal
U+02A93								\lesges	less-than above slanted equal above greater-than above slanted equal

USV	M	S	C	P	D	L	G	Macro	Description
U+02A94		⪔						\gesles	greater-than above slanted equal above less-than above slanted equal
U+02A95	⪕	⪕	⪕	⪕	⪕			\eqslantless[a]	slanted equal to or less-than
U+02A96	⪖	⪖	⪖	⪖	⪖			\eqslantgtr[a]	slanted equal to or greater-than
U+02A97		⪗						\elsdot	slanted equal to or less-than with dot inside
U+02A98		⪘						\egsdot	slanted equal to or greater-than with dot inside
U+02A99		⪙						\eqqless	double-line equal to or less-than
U+02A9A		⪚						\eqqgtr	double-line equal to or greater-than
U+02A9B		⪛	⪛					\eqqslantless	double-line slanted equal to or less-than
U+02A9C		⪜	⪜					\eqqslantgtr	double-line slanted equal to or greater-than
U+02A9D		⪝						\simless	similar or less-than
U+02A9E		⪞						\simgtr	similar or greater-than
U+02A9F		⪟						\simlE	similar above less-than above equals sign
U+02AA0		⪠						\simgE	similar above greater-than above equals sign
U+02AA1		⪡						\Lt	double nested less-than
U+02AA2		⪢						\Gt	double nested greater-than
U+02AA3		⪣						\partialmeetcontraction	double less-than with underbar
U+02AA4		⪤						\glj	greater-than overlapping less-than
U+02AA5		⪥						\gla	greater-than beside less-than
U+02AA6		⪦						\ltcc	less-than closed by curve
U+02AA7		⪧						\gtcc	greater-than closed by curve
U+02AA8		⪨						\lescc	less-than closed by curve above slanted equal
U+02AA9		⪩						\gescc	greater-than closed by curve above slanted equal
U+02AAA		⪪						\smt	smaller than
U+02AAB		⪫						\lat	larger than
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

USV	M	S	C	P	D	L	G	Macro	Description
U+02AB0	⪰̸	⪰	⪰	⪰	⪰	⪰	⪰	\succeq[p]	succeeds above single-line equals sign
U+02AB1		⪯̸	⪯̸			⪯̸	⪯̸	\precneq	precedes above single-line not equal to
U+02AB2		⪰̸	⪰̸			⪰̸	⪰̸	\succneq	succeeds above single-line not equal to
U+02AB3		⪯	⪯			⪯	⪯	\preceqq	precedes above equals sign
U+02AB4		⪰	⪰			⪰	⪰	\succeqq	succeeds above equals sign
U+02AB5		⪯̸	⪯̸			⪯̸	⪯̸	\precneqq[a]	precedes above not equal to
U+02AB6		⪰̸	⪰̸			⪰̸	⪰̸	\succneqq[a]	succeeds above not equal to
U+02AB7		≾	≾				≾	\precapprox[a]	precedes above almost equal to
U+02AB8		≿	≿				≿	\succapprox[a]	succeeds above almost equal to
U+02AB9		⋨	⋨				⋨	\precnapprox[a]	precedes above not almost equal to
U+02ABA		⋩	⋩				⋩	\succnapprox[a]	succeeds above not almost equal to
U+02ABB		⪻					⪻	\Prec	double precedes
U+02ABC		⪼					⪼	\Succ	double succeeds
U+02ABD		⊍					⊍	\subsetdot	subset with dot
U+02ABE		⊎					⊎	\supsetdot	superset with dot
U+02ABF		⊆₊						\subsetplus	subset with plus sign below
U+02AC0		⊇₊						\supsetplus	superset with plus sign below
U+02AC1		⊆×						\submult	subset with multiplication sign below
U+02AC2		⊇×						\supmult	superset with multiplication sign below
U+02AC3		⊆̇						\subedot	subset of or equal to with dot above
U+02AC4		⊇̇						\supedot	superset of or equal to with dot above
U+02AC5		⊆	⊆				⊆	\subseteqq[a]	subset of above equals sign
U+02AC6		⊇	⊇				⊇	\supseteqq[a]	superset of above equals sign
U+02AC7		⊆					⊆	\subsim	subset of above tilde operator
U+02AC8		⊇					⊇	\supsim	superset of above tilde operator
U+02AC9		⊆					⊆	\subsetapprox	subset of above almost equal to
U+02ACA		⊇					⊇	\supsetapprox	superset of above almost equal to
U+02ACB		⊊	⊊				⊊	\subsetneqq[a]	subset of above not equal to
U+02ACC		⊋	⊋				⊋	\supsetneqq[a]	superset of above not equal to
U+02ACD		⫍						\lsqhook	square left open box operator

USV	M	S	C	P	D	L	G	Macro	Description
U+02ACE		⫎						\rsqhook	square right open box operator
U+02ACF		⫏						\csub	closed subset
U+02AD0		⫐						\csup	closed superset
U+02AD1		⫑						\csube	closed subset or equal to
U+02AD2		⫒						\csupe	closed superset or equal to
U+02AD3		⫓						\subsup	subset above superset
U+02AD4		⫔						\supsub	superset above subset
U+02AD5		⫕						\subsub	subset above subset
U+02AD6		⫖						\supsup	superset above superset
U+02AD7		⫗						\suphsub	superset beside subset
U+02AD8		⫘						\supdsub	superset beside and joined by dash with subset
U+02AD9		⫙						\forkv	element of opening downwards
U+02ADA		⫚						\topfork	pitchfork with tee top
U+02ADB		⫛						\mlcp	transversal intersection
U+02ADC		⫝̸						\forks	forking
U+02ADD		⫝						\forksnot	nonforking
U+02ADE		⫞						\shortlefttack	short left tack
U+02ADF		⫟						\shortdowntack	short down tack
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	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
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
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

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+00391	Α	Α	Α	Α	Α	Α	Α	\mupAlpha	capital alpha, greek
U+00392	Β	Β	Β	Β	Β	Β	Β	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
U+00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\mupEpsilon	capital epsilon, greek
U+00396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mupZeta	capital zeta, greek
U+00397	Η	Η	Η	Η	Η	Η	Η	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\mupIota	capital iota, greek
U+0039A	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mupMu	capital mu, greek
U+0039D	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mupOmicron	capital omicron, greek

USV	M	S	C	P	D	L	G	Macro	Description
U+003A0	Π	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

15.1.2 Upright Greek, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+003B1	α	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	β	\mupbeta	small beta, greek
U+003B3	γ	γ	γ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	δ	\mupdelta	small delta, greek
U+003B5	ε	ε	ε	ε	ε	ε	ε	\mupvarepsilon	rounded small varepsilon, greek
U+003B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
U+003B7	η	η	η	η	η	η	η	\mupeta	small eta, greek
U+003B8	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
U+003B9	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+003BA	κ	κ	κ	κ	κ	κ	κ	\mupkappa	small kappa, greek
U+003BB	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+003BD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+003BF	ο	ο	ο	ο	ο	ο	ο	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	π	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς	ς	\mupvarsigma	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek

USV	M	S	C	P	D	L	G	Macro	Description
U+003C5	υ	υ	υ	υ	υ	υ	υ	`\mupupsilon`	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	`\mupvarphi`	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	`\mupchi`	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	`\muppsi`	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	`\mupomega`	small omega, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	`\mupvartheta`	/vartheta - curly or open theta
U+003D5	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	`\mupphi`	/straightphi - small phi, greek
U+003D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	`\mupvarpi`	rounded small pi (pomega), greek
U+003DC		F				F		`\upDigamma`	capital digamma
U+003DD		$\digamma$				$\digamma$		`\updigamma`	old greek small letter digamma
U+003F0	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	`\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	`\mupepsilon`	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

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

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

15.1.4 Italic, Latin, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D44E	a	a	a	a	a	a	a	\mita	mathematical italic small a
U+1D44F	b	b	b	b	b	b	b	\mitb	mathematical italic small b
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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D462	u	u	u	u	u	u	u	\mitu	mathematical italic small u
U+1D463	v	v	v	v	v	v	v	\mitv	mathematical italic small v
U+1D464	w	w	w	w	w	w	w	\mitw	mathematical italic small w
U+1D465	x	x	x	x	x	x	x	\mitx	mathematical italic small x
U+1D466	y	y	y	y	y	y	y	\mity	mathematical italic small y
U+1D467	z	z	z	z	z	z	z	\mitz	mathematical italic small z

15.1.5 Italic Greek, uppercase

USV	M	S	C	P	D	L	G	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	$\varTheta$	$\varTheta$	$\varTheta$	$\varTheta$	$\varTheta$	$\varTheta$	$\varTheta$	\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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6F6	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	$\mathit{\Upsilon}$	`\mitUpsilon`	mathematical italic capital upsilon
U+1D6F7	$\mathit{\Phi}$	$\mathit{\Phi}$	$\mathit{\Phi}$	$\mathit{\Phi}$	$\mathit{\Phi}$	$\mathit{\Phi}$	$\mathit{\Phi}$	`\mitPhi`	mathematical italic capital phi
U+1D6F8	X	X	X	X	X	X	X	`\mitChi`	mathematical italic capital chi
U+1D6F9	$\mathit{\Psi}$	$\mathit{\Psi}$	$\mathit{\Psi}$	$\mathit{\Psi}$	$\mathit{\Psi}$	$\mathit{\Psi}$	$\mathit{\Psi}$	`\mitPsi`	mathematical italic capital psi
U+1D6FA	$\mathit{\Omega}$	$\mathit{\Omega}$	$\mathit{\Omega}$	$\mathit{\Omega}$	$\mathit{\Omega}$	$\mathit{\Omega}$	$\mathit{\Omega}$	`\mitOmega`	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6FC	$\mathit{\alpha}$	$\mathit{\alpha}$	$\mathit{\alpha}$	$\mathit{\alpha}$	$\mathit{\alpha}$	$\mathit{\alpha}$	$\mathit{\alpha}$	`\mitalpha`	mathematical italic small alpha
U+1D6FD	$\mathit{\beta}$	$\mathit{\beta}$	$\mathit{\beta}$	$\mathit{\beta}$	$\mathit{\beta}$	$\mathit{\beta}$	$\mathit{\beta}$	`\mitbeta`	mathematical italic small beta
U+1D6FE	$\mathit{\gamma}$	$\mathit{\gamma}$	$\mathit{\gamma}$	$\mathit{\gamma}$	$\mathit{\gamma}$	$\mathit{\gamma}$	$\mathit{\gamma}$	`\mitgamma`	mathematical italic small gamma
U+1D6FF	$\mathit{\delta}$	$\mathit{\delta}$	$\mathit{\delta}$	$\mathit{\delta}$	$\mathit{\delta}$	$\mathit{\delta}$	$\mathit{\delta}$	`\mitdelta`	mathematical italic small delta
U+1D700	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	$\mathit{\varepsilon}$	`\mitvarepsilon`	mathematical italic small varepsilon
U+1D701	$\mathit{\zeta}$	$\mathit{\zeta}$	$\mathit{\zeta}$	$\mathit{\zeta}$	$\mathit{\zeta}$	$\mathit{\zeta}$	$\mathit{\zeta}$	`\mitzeta`	mathematical italic small zeta
U+1D702	$\mathit{\eta}$	$\mathit{\eta}$	$\mathit{\eta}$	$\mathit{\eta}$	$\mathit{\eta}$	$\mathit{\eta}$	$\mathit{\eta}$	`\miteta`	mathematical italic small eta
U+1D703	$\mathit{\theta}$	$\mathit{\theta}$	$\mathit{\theta}$	$\mathit{\theta}$	$\mathit{\theta}$	$\mathit{\theta}$	$\mathit{\theta}$	`\mittheta`	mathematical italic small theta
U+1D704	$\mathit{\iota}$	$\mathit{\iota}$	$\mathit{\iota}$	$\mathit{\iota}$	$\mathit{\iota}$	$\mathit{\iota}$	$\mathit{\iota}$	`\mitiota`	mathematical italic small iota
U+1D705	$\mathit{\kappa}$	$\mathit{\kappa}$	$\mathit{\kappa}$	$\mathit{\kappa}$	$\mathit{\kappa}$	$\mathit{\kappa}$	$\mathit{\kappa}$	`\mitkappa`	mathematical italic small kappa
U+1D706	$\mathit{\lambda}$	$\mathit{\lambda}$	$\mathit{\lambda}$	$\mathit{\lambda}$	$\mathit{\lambda}$	$\mathit{\lambda}$	$\mathit{\lambda}$	`\mitlambda`	mathematical italic small lambda
U+1D707	$\mathit{\mu}$	$\mathit{\mu}$	$\mathit{\mu}$	$\mathit{\mu}$	$\mathit{\mu}$	$\mathit{\mu}$	$\mathit{\mu}$	`\mitmu`	mathematical italic small mu
U+1D708	$\mathit{\nu}$	$\mathit{\nu}$	$\mathit{\nu}$	$\mathit{\nu}$	$\mathit{\nu}$	$\mathit{\nu}$	$\mathit{\nu}$	`\mitnu`	mathematical italic small nu
U+1D709	$\mathit{\xi}$	$\mathit{\xi}$	$\mathit{\xi}$	$\mathit{\xi}$	$\mathit{\xi}$	$\mathit{\xi}$	$\mathit{\xi}$	`\mitxi`	mathematical italic small xi
U+1D70A	o	o	o	o	o	o	o	`\mitomicron`	mathematical italic small omicron
U+1D70B	$\mathit{\pi}$	$\mathit{\pi}$	$\mathit{\pi}$	$\mathit{\pi}$	$\mathit{\pi}$	$\mathit{\pi}$	$\mathit{\pi}$	`\mitpi`	mathematical italic small pi
U+1D70C	$\mathit{\rho}$	$\mathit{\rho}$	$\mathit{\rho}$	$\mathit{\rho}$	$\mathit{\rho}$	$\mathit{\rho}$	$\mathit{\rho}$	`\mitrho`	mathematical italic small rho
U+1D70D	$\mathit{\varsigma}$	$\mathit{\varsigma}$	$\mathit{\varsigma}$	$\mathit{\varsigma}$	$\mathit{\varsigma}$	$\mathit{\varsigma}$	$\mathit{\varsigma}$	`\mitvarsigma`	mathematical italic small final sigma
U+1D70E	$\mathit{\sigma}$	$\mathit{\sigma}$	$\mathit{\sigma}$	$\mathit{\sigma}$	$\mathit{\sigma}$	$\mathit{\sigma}$	$\mathit{\sigma}$	`\mitsigma`	mathematical italic small sigma
U+1D70F	$\mathit{\tau}$	$\mathit{\tau}$	$\mathit{\tau}$	$\mathit{\tau}$	$\mathit{\tau}$	$\mathit{\tau}$	$\mathit{\tau}$	`\mittau`	mathematical italic small tau
U+1D710	$\mathit{\upsilon}$	$\mathit{\upsilon}$	$\mathit{\upsilon}$	$\mathit{\upsilon}$	$\mathit{\upsilon}$	$\mathit{\upsilon}$	$\mathit{\upsilon}$	`\mitupsilon`	mathematical italic small upsilon
U+1D711	$\mathit{\varphi}$	$\mathit{\varphi}$	$\mathit{\varphi}$	$\mathit{\varphi}$	$\mathit{\varphi}$	$\mathit{\varphi}$	$\mathit{\varphi}$	`\mitvarphi`	mathematical italic small phi

USV	M	S	C	P	D	L	G	Macro	Description
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

15.1.7 Script, Latin, uppercase

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

USV	M	S	C	P	D	L	G	Macro	Description

15.1.8 Script, Latin, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D4B6		$\mathscr{a}$		$\mathscr{a}$	$\mathscr{a}$	$\mathscr{a}$	$\mathscr{a}$	\mscra	mathematical script small a
U+1D4B7		$\mathscr{b}$		$\mathscr{b}$	$\mathscr{b}$	$\mathscr{b}$	$\mathscr{b}$	\mscrb	mathematical script small b
U+1D4B8		$\mathscr{c}$		$\mathscr{c}$	$\mathscr{c}$	$\mathscr{c}$	$\mathscr{c}$	\mscrc	mathematical script small c
U+1D4B9		$\mathscr{d}$		$\mathscr{d}$	$\mathscr{d}$	$\mathscr{d}$	$\mathscr{d}$	\mscrd	mathematical script small d
U+1D4BB		$\mathscr{f}$		$\mathscr{f}$	$\mathscr{f}$	$\mathscr{f}$	$\mathscr{f}$	\mscrf	mathematical script small f
U+1D4BD		$\mathscr{h}$		$\mathscr{h}$	$\mathscr{h}$	$\mathscr{h}$	$\mathscr{h}$	\mscrh	mathematical script small h
U+1D4BE		$\mathscr{i}$		$\mathscr{i}$	$\mathscr{i}$	$\mathscr{i}$	$\mathscr{i}$	\mscri	mathematical script small i
U+1D4BF		$\mathscr{j}$		$\mathscr{j}$	$\mathscr{j}$	$\mathscr{j}$	$\mathscr{j}$	\mscrj	mathematical script small j
U+1D4C0		$\mathscr{k}$		$\mathscr{k}$	$\mathscr{k}$	$\mathscr{k}$	$\mathscr{k}$	\mscrk	mathematical script small k
U+1D4C1		$\mathscr{l}$		$\mathscr{l}$	$\mathscr{l}$	$\mathscr{l}$	$\mathscr{l}$	\mscrl	mathematical script small l
U+1D4C2		$\mathscr{m}$		$\mathscr{m}$	$\mathscr{m}$	$\mathscr{m}$	$\mathscr{m}$	\mscrm	mathematical script small m
U+1D4C3		$\mathscr{n}$		$\mathscr{n}$	$\mathscr{n}$	$\mathscr{n}$	$\mathscr{n}$	\mscrn	mathematical script small n
U+1D4C5		$\mathscr{p}$		$\mathscr{p}$	$\mathscr{p}$	$\mathscr{p}$	$\mathscr{p}$	\mscrp	mathematical script small p
U+1D4C6		$\mathscr{q}$		$\mathscr{q}$	$\mathscr{q}$	$\mathscr{q}$	$\mathscr{q}$	\mscrq	mathematical script small q
U+1D4C7		$\mathscr{r}$		$\mathscr{r}$	$\mathscr{r}$	$\mathscr{r}$	$\mathscr{r}$	\mscrr	mathematical script small r
U+1D4C8		$\mathscr{s}$		$\mathscr{s}$	$\mathscr{s}$	$\mathscr{s}$	$\mathscr{s}$	\mscrs	mathematical script small s
U+1D4C9		$\mathscr{t}$		$\mathscr{t}$	$\mathscr{t}$	$\mathscr{t}$	$\mathscr{t}$	\mscrt	mathematical script small t
U+1D4CA		$\mathscr{u}$		$\mathscr{u}$	$\mathscr{u}$	$\mathscr{u}$	$\mathscr{u}$	\mscru	mathematical script small u
U+1D4CB		$\mathscr{v}$		$\mathscr{v}$	$\mathscr{v}$	$\mathscr{v}$	$\mathscr{v}$	\mscrv	mathematical script small v
U+1D4CC		$\mathscr{w}$		$\mathscr{w}$	$\mathscr{w}$	$\mathscr{w}$	$\mathscr{w}$	\mscrw	mathematical script small w
U+1D4CD		$\mathscr{x}$		$\mathscr{x}$	$\mathscr{x}$	$\mathscr{x}$	$\mathscr{x}$	\mscrx	mathematical script small x
U+1D4CE		$\mathscr{y}$		$\mathscr{y}$	$\mathscr{y}$	$\mathscr{y}$	$\mathscr{y}$	\mscry	mathematical script small y
U+1D4CF		$\mathscr{z}$		$\mathscr{z}$	$\mathscr{z}$	$\mathscr{z}$	$\mathscr{z}$	\mscrz	mathematical script small z

15.1.9 Fraktur, Latin, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D504	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	$\mathfrak{A}$	\mfrakA	mathematical fraktur capital a
U+1D505	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	$\mathfrak{B}$	\mfrakB	mathematical fraktur capital b

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

15.1.10 Fraktur, Latin, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	𝔟	\mfrakb	mathematical fraktur small b
U+1D520	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	𝔠	\mfrakc	mathematical fraktur small c
U+1D521	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	𝔡	\mfrakd	mathematical fraktur small d
U+1D522	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	\mfrake	mathematical fraktur small e
U+1D523	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	\mfrakf	mathematical fraktur small f
U+1D524	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	𝔤	\mfrakg	mathematical fraktur small g
U+1D525	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	𝔥	\mfrakh	mathematical fraktur small h
U+1D526	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	\mfraki	mathematical fraktur small i
U+1D527	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	\mfrakj	mathematical fraktur small j
U+1D528	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	\mfrakk	mathematical fraktur small k

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

15.1.11 Blackboard, Latin, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D538	𝔸	𝔸	𝔸	𝔸	𝔸	𝔸	𝔸	\BbbA	mathematical double-struck capital a
U+1D539	𝔹	𝔹	𝔹	𝔹	𝔹	𝔹	𝔹	\BbbB	mathematical double-struck capital b
U+1D53B	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻	𝔻	\BbbD	mathematical double-struck capital d
U+1D53C	𝔼	𝔼	𝔼	𝔼	𝔼	𝔼	𝔼	\BbbE	mathematical double-struck capital e
U+1D53D	𝔽	𝔽	𝔽	𝔽	𝔽	𝔽	𝔽	\BbbF	mathematical double-struck capital f
U+1D53E	𝔾	𝔾	𝔾	𝔾	𝔾	𝔾	𝔾	\BbbG	mathematical double-struck capital g
U+1D540	𝕀	𝕀	𝕀	𝕀	𝕀	𝕀	𝕀	\BbbI	mathematical double-struck capital i
U+1D541	𝕁	𝕁	𝕁	𝕁	𝕁	𝕁	𝕁	\BbbJ	mathematical double-struck capital j
U+1D542	𝕂	𝕂	𝕂	𝕂	𝕂	𝕂	𝕂	\BbbK	mathematical double-struck capital k
U+1D543	𝕃	𝕃	𝕃	𝕃	𝕃	𝕃	𝕃	\BbbL	mathematical double-struck capital l
U+1D544	𝕄	𝕄	𝕄	𝕄	𝕄	𝕄	𝕄	\BbbM	mathematical double-struck capital m

USV	M	S	C	P	D	L	G	Macro	Description
U+1D546	𝕆	𝕆	𝕆	𝕆	𝕆	𝕆	𝕆	\BbbO	mathematical double-struck capital o
U+1D54A	𝕊	𝕊	𝕊	𝕊	𝕊	𝕊	𝕊	\BbbS	mathematical double-struck capital s
U+1D54B	𝕋	𝕋	𝕋	𝕋	𝕋	𝕋	𝕋	\BbbT	mathematical double-struck capital t
U+1D54C	𝕌	𝕌	𝕌	𝕌	𝕌	𝕌	𝕌	\BbbU	mathematical double-struck capital u
U+1D54D	𝕍	𝕍	𝕍	𝕍	𝕍	𝕍	𝕍	\BbbV	mathematical double-struck capital v
U+1D54E	𝕎	𝕎	𝕎	𝕎	𝕎	𝕎	𝕎	\BbbW	mathematical double-struck capital w
U+1D54F	𝕏	𝕏	𝕏	𝕏	𝕏	𝕏	𝕏	\BbbX	mathematical double-struck capital x
U+1D550	𝕐	𝕐	𝕐	𝕐	𝕐	𝕐	𝕐	\BbbY	mathematical double-struck capital y

15.1.12 Blackboard, Latin, lowercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
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

15.1.13 Sans serif, Latin, uppercase

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

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

15.1.14 Sans serif, Latin, lowercase

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
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
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

15.1.15 Italic sans serif, Latin, uppercase

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
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
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

15.1.16 Italic sans serif, Latin, lowercase

USV	M	S	C	P	D	L	G	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

USV	M	S	C	P	D	L	G	Macro	Description
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
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

15.1.17 Typewriter, Latin, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D670	$\mathtt{A}$	$\mathtt{A}$	$\mathtt{A}$	$\mathtt{A}$	$\mathtt{A}$	$\mathtt{A}$	$\mathtt{A}$	\mttA	mathematical monospace capital a
U+1D671	$\mathtt{B}$	$\mathtt{B}$	$\mathtt{B}$	$\mathtt{B}$	$\mathtt{B}$	$\mathtt{B}$	$\mathtt{B}$	\mttB	mathematical monospace capital b

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

USV	M	S	C	P	D	L	G	Macro	Description

15.1.18 Typewriter, Latin, lowercase

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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6A0	𝚠	𝚠	𝚠	𝚠	𝚠	𝚠	𝚠	\mttw	mathematical monospace small w
U+1D6A1	𝚡	𝚡	𝚡	𝚡	𝚡	𝚡	𝚡	\mttx	mathematical monospace small x
U+1D6A2	𝚢	𝚢	𝚢	𝚢	𝚢	𝚢	𝚢	\mtty	mathematical monospace small y
U+1D6A3	𝚣	𝚣	𝚣	𝚣	𝚣	𝚣	𝚣	\mttz	mathematical monospace small z

15.2 Bold

15.2.1 Bold, Latin, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D400	𝐀	𝐀	𝐀	𝐀	𝐀	𝐀	𝐀	\mbfA	mathematical bold capital a
U+1D401	𝐁	𝐁	𝐁	𝐁	𝐁	𝐁	𝐁	\mbfB	mathematical bold capital b
U+1D402	𝐂	𝐂	𝐂	𝐂	𝐂	𝐂	𝐂	\mbfC	mathematical bold capital c
U+1D403	𝐃	𝐃	𝐃	𝐃	𝐃	𝐃	𝐃	\mbfD	mathematical bold capital d
U+1D404	𝐄	𝐄	𝐄	𝐄	𝐄	𝐄	𝐄	\mbfE	mathematical bold capital e
U+1D405	𝐅	𝐅	𝐅	𝐅	𝐅	𝐅	𝐅	\mbfF	mathematical bold capital f
U+1D406	𝐆	𝐆	𝐆	𝐆	𝐆	𝐆	𝐆	\mbfG	mathematical bold capital g
U+1D407	𝐇	𝐇	𝐇	𝐇	𝐇	𝐇	𝐇	\mbfH	mathematical bold capital h
U+1D408	𝐈	𝐈	𝐈	𝐈	𝐈	𝐈	𝐈	\mbfI	mathematical bold capital i
U+1D409	𝐉	𝐉	𝐉	𝐉	𝐉	𝐉	𝐉	\mbfJ	mathematical bold capital j
U+1D40A	𝐊	𝐊	𝐊	𝐊	𝐊	𝐊	𝐊	\mbfK	mathematical bold capital k
U+1D40B	𝐋	𝐋	𝐋	𝐋	𝐋	𝐋	𝐋	\mbfL	mathematical bold capital l
U+1D40C	𝐌	𝐌	𝐌	𝐌	𝐌	𝐌	𝐌	\mbfM	mathematical bold capital m
U+1D40D	𝐍	𝐍	𝐍	𝐍	𝐍	𝐍	𝐍	\mbfN	mathematical bold capital n
U+1D40E	𝐎	𝐎	𝐎	𝐎	𝐎	𝐎	𝐎	\mbfO	mathematical bold capital o
U+1D40F	𝐏	𝐏	𝐏	𝐏	𝐏	𝐏	𝐏	\mbfP	mathematical bold capital p
U+1D410	𝐐	𝐐	𝐐	𝐐	𝐐	𝐐	𝐐	\mbfQ	mathematical bold capital q
U+1D411	𝐑	𝐑	𝐑	𝐑	𝐑	𝐑	𝐑	\mbfR	mathematical bold capital r
U+1D412	𝐒	𝐒	𝐒	𝐒	𝐒	𝐒	𝐒	\mbfS	mathematical bold capital s
U+1D413	𝐓	𝐓	𝐓	𝐓	𝐓	𝐓	𝐓	\mbfT	mathematical bold capital t
U+1D414	𝐔	𝐔	𝐔	𝐔	𝐔	𝐔	𝐔	\mbfU	mathematical bold capital u
U+1D415	𝐕	𝐕	𝐕	𝐕	𝐕	𝐕	𝐕	\mbfV	mathematical bold capital v
U+1D416	𝐖	𝐖	𝐖	𝐖	𝐖	𝐖	𝐖	\mbfW	mathematical bold capital w

USV	M	S	C	P	D	L	G	Macro	Description
U+1D417	𝐗	𝐗	𝐗	𝐗	𝐗	𝐗	𝐗	\mbfX	mathematical bold capital x
U+1D418	𝐘	𝐘	𝐘	𝐘	𝐘	𝐘	𝐘	\mbfY	mathematical bold capital y
U+1D419	𝐙	𝐙	𝐙	𝐙	𝐙	𝐙	𝐙	\mbfZ	mathematical bold capital z

15.2.2 Bold, Latin, lowercase

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

15.2.3 Bold Greek, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6A8	𝚨	𝚨	𝚨	𝚨	𝚨	𝚨	𝚨	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	𝚩	𝚩	𝚩	𝚩	𝚩	𝚩	𝚩	\mbfBeta	mathematical bold capital beta
U+1D6AA	𝚪	𝚪	𝚪	𝚪	𝚪	𝚪	𝚪	\mbfGamma	mathematical bold capital gamma
U+1D6AB	𝚫	𝚫	𝚫	𝚫	𝚫	𝚫	𝚫	\mbfDelta	mathematical bold capital delta
U+1D6AC	𝚬	𝚬	𝚬	𝚬	𝚬	𝚬	𝚬	\mbfEpsilon	mathematical bold capital epsilon
U+1D6AD	𝚭	𝚭	𝚭	𝚭	𝚭	𝚭	𝚭	\mbfZeta	mathematical bold capital zeta
U+1D6AE	𝚮	𝚮	𝚮	𝚮	𝚮	𝚮	𝚮	\mbfEta	mathematical bold capital eta
U+1D6AF	𝚯	𝚯	𝚯	𝚯	𝚯	𝚯	𝚯	\mbfTheta	mathematical bold capital theta
U+1D6B0	𝚰	𝚰	𝚰	𝚰	𝚰	𝚰	𝚰	\mbfIota	mathematical bold capital iota
U+1D6B1	𝚱	𝚱	𝚱	𝚱	𝚱	𝚱	𝚱	\mbfKappa	mathematical bold capital kappa
U+1D6B2	𝚲	𝚲	𝚲	𝚲	𝚲	𝚲	𝚲	\mbfLambda	mathematical bold capital lambda
U+1D6B3	𝚳	𝚳	𝚳	𝚳	𝚳	𝚳	𝚳	\mbfMu	mathematical bold capital mu
U+1D6B4	𝚴	𝚴	𝚴	𝚴	𝚴	𝚴	𝚴	\mbfNu	mathematical bold capital nu
U+1D6B5	𝚵	𝚵	𝚵	𝚵	𝚵	𝚵	𝚵	\mbfXi	mathematical bold capital xi
U+1D6B6	𝚶	𝚶	𝚶	𝚶	𝚶	𝚶	𝚶	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	𝚷	𝚷	𝚷	𝚷	𝚷	𝚷	𝚷	\mbfPi	mathematical bold capital pi
U+1D6B8	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	\mbfSigma	mathematical bold capital sigma
U+1D6BB	𝚻	𝚻	𝚻	𝚻	𝚻	𝚻	𝚻	\mbfTau	mathematical bold capital tau
U+1D6BC	𝚼	𝚼	𝚼	𝚼	𝚼	𝚼	𝚼	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	𝚽	𝚽	𝚽	𝚽	𝚽	𝚽	𝚽	\mbfPhi	mathematical bold capital phi
U+1D6BE	𝚾	𝚾	𝚾	𝚾	𝚾	𝚾	𝚾	\mbfChi	mathematical bold capital chi
U+1D6BF	𝚿	𝚿	𝚿	𝚿	𝚿	𝚿	𝚿	\mbfPsi	mathematical bold capital psi
U+1D6C0	𝛀	𝛀	𝛀	𝛀	𝛀	𝛀	𝛀	\mbfOmega	mathematical bold capital omega

15.2.4 Bold Greek, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6C2	𝛂	𝛂	𝛂	𝛂	𝛂	𝛂	𝛂	\mbfalpha	mathematical bold small alpha
U+1D6C3	𝛃	𝛃	𝛃	𝛃	𝛃	𝛃	𝛃	\mbfbeta	mathematical bold small beta
U+1D6C4	𝛄	𝛄	𝛄	𝛄	𝛄	𝛄	𝛄	\mbfgamma	mathematical bold small gamma
U+1D6C5	𝛅	𝛅	𝛅	𝛅	𝛅	𝛅	𝛅	\mbfdelta	mathematical bold small delta
U+1D6C6	𝛆	𝛆	𝛆	𝛆	𝛆	𝛆	𝛆	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	𝛇	𝛇	𝛇	𝛇	𝛇	𝛇	𝛇	\mbfzeta	mathematical bold small zeta
U+1D6C8	𝛈	𝛈	𝛈	𝛈	𝛈	𝛈	𝛈	\mbfeta	mathematical bold small eta
U+1D6C9	𝛉	𝛉	𝛉	𝛉	𝛉	𝛉	𝛉	\mbftheta	mathematical bold small theta
U+1D6CA	𝛊	𝛊	𝛊	𝛊	𝛊	𝛊	𝛊	\mbfiota	mathematical bold small iota
U+1D6CB	𝛋	𝛋	𝛋	𝛋	𝛋	𝛋	𝛋	\mbfkappa	mathematical bold small kappa
U+1D6CC	𝛌	𝛌	𝛌	𝛌	𝛌	𝛌	𝛌	\mbflambda	mathematical bold small lambda
U+1D6CD	𝛍	𝛍	𝛍	𝛍	𝛍	𝛍	𝛍	\mbfmu	mathematical bold small mu
U+1D6CE	𝛎	𝛎	𝛎	𝛎	𝛎	𝛎	𝛎	\mbfnu	mathematical bold small nu
U+1D6CF	𝛏	𝛏	𝛏	𝛏	𝛏	𝛏	𝛏	\mbfxi	mathematical bold small xi
U+1D6D0	𝛐	𝛐	𝛐	𝛐	𝛐	𝛐	𝛐	\mbfomicron	mathematical bold small omicron
U+1D6D1	𝛑	𝛑	𝛑	𝛑	𝛑	𝛑	𝛑	\mbfpi	mathematical bold small pi
U+1D6D2	𝛒	𝛒	𝛒	𝛒	𝛒	𝛒	𝛒	\mbfrho	mathematical bold small rho
U+1D6D3	𝛓	𝛓	𝛓	𝛓	𝛓	𝛓	𝛓	\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	𝛔	𝛔	𝛔	𝛔	𝛔	𝛔	𝛔	\mbfsigma	mathematical bold small sigma
U+1D6D5	𝛕	𝛕	𝛕	𝛕	𝛕	𝛕	𝛕	\mbftau	mathematical bold small tau
U+1D6D6	𝛖	𝛖	𝛖	𝛖	𝛖	𝛖	𝛖	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	𝛗	𝛗	𝛗	𝛗	𝛗	𝛗	𝛗	\mbfvarphi	mathematical bold small phi
U+1D6D8	𝛘	𝛘	𝛘	𝛘	𝛘	𝛘	𝛘	\mbfchi	mathematical bold small chi
U+1D6D9	𝛙	𝛙	𝛙	𝛙	𝛙	𝛙	𝛙	\mbfpsi	mathematical bold small psi
U+1D6DA	𝛚	𝛚	𝛚	𝛚	𝛚	𝛚	𝛚	\mbfomega	mathematical bold small omega
U+1D6DB	𝛛	𝛛	𝛛	𝛛	𝛛	𝛛	𝛛	\mbfpartial	mathematical bold partial differential
U+1D6DC	𝛜	𝛜	𝛜	𝛜	𝛜	𝛜	𝛜	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	𝛝	𝛝	𝛝	𝛝	𝛝	𝛝	𝛝	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	𝛞	𝛞	𝛞	𝛞	𝛞	𝛞	𝛞	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	𝛟	𝛟	𝛟	𝛟	𝛟	𝛟	𝛟	\mbfphi	mathematical bold phi symbol
U+1D6E0	𝛠	𝛠	𝛠	𝛠	𝛠	𝛠	𝛠	\mbfvarrho	mathematical bold rho symbol

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6E1	𝛡	𝛡	𝛡	𝛡	𝛡	𝛡	𝛡	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D47D	V	V	V	V	V	V	V	\mbfitV	mathematical bold italic capital v
U+1D47E	W	W	W	W	W	W	W	\mbfitW	mathematical bold italic capital w
U+1D47F	X	X	X	X	X	X	X	\mbfitX	mathematical bold italic capital x
U+1D480	Y	Y	Y	Y	Y	Y	Y	\mbfitY	mathematical bold italic capital y
U+1D481	Z	Z	Z	Z	Z	Z	Z	\mbfitZ	mathematical bold italic capital z

15.2.6 Bold italic, Latin, lowercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D499	x	x	x	x	x	x	x	\mbfitx	mathematical bold italic small x
U+1D49A	y	y	y	y	y	y	y	\mbfity	mathematical bold italic small y
U+1D49B	z	z	z	z	z	z	z	\mbfitz	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	M	S	C	P	D	L	G	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	$\mathit{\Gamma}$	$\mathit{\Gamma}$	$\mathit{\Gamma}$	$\mathit{\Gamma}$	$\mathit{\Gamma}$	$\mathit{\Gamma}$	$\mathit{\Gamma}$	\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	$\mathit{\Delta}$	$\mathit{\Delta}$	$\mathit{\Delta}$	$\mathit{\Delta}$	$\mathit{\Delta}$	$\mathit{\Delta}$	$\mathit{\Delta}$	\mbfitDelta	mathematical bold italic capital delta
U+1D720	E	E	E	E	E	E	E	\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D721	Z	Z	Z	Z	Z	Z	Z	\mbfitZeta	mathematical bold italic capital zeta
U+1D722	H	H	H	H	H	H	H	\mbfitEta	mathematical bold italic capital eta
U+1D723	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	\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	$\mathit{\Lambda}$	$\mathit{\Lambda}$	$\mathit{\Lambda}$	$\mathit{\Lambda}$	$\mathit{\Lambda}$	$\mathit{\Lambda}$	$\mathit{\Lambda}$	\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	$\mathit{\Xi}$	$\mathit{\Xi}$	$\mathit{\Xi}$	$\mathit{\Xi}$	$\mathit{\Xi}$	$\mathit{\Xi}$	$\mathit{\Xi}$	\mbfitXi	mathematical bold italic capital xi
U+1D72A	O	O	O	O	O	O	O	\mbfitOmicron	mathematical bold italic capital omicron
U+1D72B	$\mathit{\Pi}$	$\mathit{\Pi}$	$\mathit{\Pi}$	$\mathit{\Pi}$	$\mathit{\Pi}$	$\mathit{\Pi}$	$\mathit{\Pi}$	\mbfitPi	mathematical bold italic capital pi
U+1D72C	P	P	P	P	P	P	P	\mbfitRho	mathematical bold italic capital rho
U+1D72D	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	$\mathit{\Theta}$	\mbfitvarTheta	mathematical bold italic capital theta symbol
U+1D72E	$\mathit{\Sigma}$	$\mathit{\Sigma}$	$\mathit{\Sigma}$	$\mathit{\Sigma}$	$\mathit{\Sigma}$	$\mathit{\Sigma}$	$\mathit{\Sigma}$	\mbfitSigma	mathematical bold italic capital sigma

USV	M	S	C	P	D	L	G	Macro	Description
U+1D72F	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	$\mathit{\mathbf{T}}$	\mbfitTau	mathematical bold italic capital tau
U+1D730	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	$\mathit{\mathbf{\Upsilon}}$	\mbfitUpsilon	mathematical bold italic capital upsilon
U+1D731	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	$\mathit{\mathbf{\Phi}}$	\mbfitPhi	mathematical bold italic capital phi
U+1D732	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	$\mathit{\mathbf{X}}$	\mbfitChi	mathematical bold italic capital chi
U+1D733	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	$\mathit{\mathbf{\Psi}}$	\mbfitPsi	mathematical bold italic capital psi
U+1D734	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	$\mathit{\mathbf{\Omega}}$	\mbfitOmega	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D736	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	$\mathit{\mathbf{\alpha}}$	\mbfitalpha	mathematical bold italic small alpha
U+1D737	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	$\mathit{\mathbf{\beta}}$	\mbfitbeta	mathematical bold italic small beta
U+1D738	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	$\mathit{\mathbf{\gamma}}$	\mbfitgamma	mathematical bold italic small gamma
U+1D739	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	$\mathit{\mathbf{\delta}}$	\mbfitdelta	mathematical bold italic small delta
U+1D73A	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	$\mathit{\mathbf{\varepsilon}}$	\mbfitvarepsilon	mathematical bold italic small varepsilon
U+1D73B	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	$\mathit{\mathbf{\zeta}}$	\mbfitzeta	mathematical bold italic small zeta
U+1D73C	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	$\mathit{\mathbf{\eta}}$	\mbfiteta	mathematical bold italic small eta
U+1D73D	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	$\mathit{\mathbf{\theta}}$	\mbfittheta	mathematical bold italic small theta
U+1D73E	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	$\mathit{\mathbf{\iota}}$	\mbfitiota	mathematical bold italic small iota
U+1D73F	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	$\mathit{\mathbf{\kappa}}$	\mbfitkappa	mathematical bold italic small kappa
U+1D740	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	$\mathit{\mathbf{\lambda}}$	\mbfitlambda	mathematical bold italic small lambda
U+1D741	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	$\mathit{\mathbf{\mu}}$	\mbfitmu	mathematical bold italic small mu
U+1D742	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	$\mathit{\mathbf{\nu}}$	\mbfitnu	mathematical bold italic small nu
U+1D743	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	$\mathit{\mathbf{\xi}}$	\mbfitxi	mathematical bold italic small xi
U+1D744	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	$\mathit{\mathbf{o}}$	\mbfitomicron	mathematical bold italic small omicron
U+1D745	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	$\mathit{\mathbf{\pi}}$	\mbfitpi	mathematical bold italic small pi

USV	M	S	C	P	D	L	G	Macro	Description
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	$\cup$	υ	υ	υ	υ	\mbfitupsilon	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ	φ	\mbfitvarphi	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	χ	χ	χ	\mbfitchi	mathematical bold italic small chi
U+1D74D	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfitpsi	mathematical bold italic small psi
U+1D74E	ω	ω	ω	ω	ω	ω	ω	\mbfitomega	mathematical bold italic small omega
U+1D74F	∂	∂	∂	∂	∂	∂	∂	\mbfitpartial	mathematical bold italic partial differential
U+1D750	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mbfitepsilon	mathematical bold italic varepsilon symbol
U+1D751	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	$\varkappa$	\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mbfitphi	mathematical bold italic phi symbol
U+1D754	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mbfitvarpi	mathematical bold italic pi symbol

15.2.9 Bold script, Latin, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D4D0	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	$\mathcal{A}$	\mbfscrA	mathematical bold script capital a
U+1D4D1	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	\mbfscrB	mathematical bold script capital b
U+1D4D2	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	$\mathcal{C}$	\mbfscrC	mathematical bold script capital c
U+1D4D3	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	$\mathcal{D}$	\mbfscrD	mathematical bold script capital d
U+1D4D4	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	\mbfscrE	mathematical bold script capital e
U+1D4D5	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	\mbfscrF	mathematical bold script capital f

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

15.2.10 Bold script, Latin, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D4EA		𝓪		𝓪	𝓪	𝓪	𝓪	\mbfscra	mathematical bold script small a
U+1D4EB		𝓫		𝓫	𝓫	𝓫	𝓫	\mbfscrb	mathematical bold script small b

USV	M	S	C	P	D	L	G	Macro	Description
U+1D4EC		𝓬		𝒸	𝒞	𝒸	𝒸	\mbfscrc	mathematical bold script small c
U+1D4ED		𝓭		𝒹	𝒟	𝒹	𝒹	\mbfscrd	mathematical bold script small d
U+1D4EE		𝓮		ℯ	𝒠	ℯ	ℯ	\mbfscre	mathematical bold script small e
U+1D4EF		𝓯		𝒻	𝒡	𝒻	𝒻	\mbfscrf	mathematical bold script small f
U+1D4F0		𝓰		ℊ	𝒢	ℊ	ℊ	\mbfscrg	mathematical bold script small g
U+1D4F1		𝓱		𝒽	𝒣	ℎ	ℎ	\mbfscrh	mathematical bold script small h
U+1D4F2		𝓲		𝒾	𝒤	𝒾	𝒾	\mbfscri	mathematical bold script small i
U+1D4F3		𝓳		𝒿	𝒥	𝒿	𝒿	\mbfscrj	mathematical bold script small j
U+1D4F4		𝓴		𝓀	𝒦	𝓀	𝓀	\mbfscrk	mathematical bold script small k
U+1D4F5		𝓵		𝓁	𝓛	𝓁	𝓁	\mbfscrl	mathematical bold script small l
U+1D4F6		𝓶		𝓂	𝓜	𝓂	𝓂	\mbfscrm	mathematical bold script small m
U+1D4F7		𝓷		𝓃	𝒩	𝓃	𝓃	\mbfscrn	mathematical bold script small n
U+1D4F8		𝓸		ℴ	𝒪	ℴ	ℴ	\mbfscro	mathematical bold script small o
U+1D4F9		𝓹		𝓅	𝒫	𝓅	𝓅	\mbfscrp	mathematical bold script small p
U+1D4FA		𝓺		𝓆	𝒬	𝓆	𝓆	\mbfscrq	mathematical bold script small q
U+1D4FB		𝓻		𝓇	𝓡	𝓇	𝓇	\mbfscrr	mathematical bold script small r
U+1D4FC		𝓼		𝓈	𝒮	𝓈	𝓈	\mbfscrs	mathematical bold script small s
U+1D4FD		𝓽		𝓉	𝒯	𝓉	𝓉	\mbfscrt	mathematical bold script small t
U+1D4FE		𝓾		𝓊	𝒰	𝓊	𝓊	\mbfscru	mathematical bold script small u
U+1D4FF		𝓿		𝓋	𝒱	𝓋	𝓋	\mbfscrv	mathematical bold script small v
U+1D500		𝔀		𝓌	𝒲	𝓌	𝓌	\mbfscrw	mathematical bold script small w
U+1D501		𝔁		𝓍	𝒳	𝓍	𝓍	\mbfscrx	mathematical bold script small x
U+1D502		𝔂		𝓎	𝒴	𝓎	𝓎	\mbfscry	mathematical bold script small y
U+1D503		𝔃		𝓏	𝒵	𝓏	𝓏	\mbfscrz	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

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

USV	M	S	C	P	D	L	G	Macro	Description

15.2.12 Bold fraktur, Latin, lowercase

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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D59E	𝔶	𝔶	𝔶	𝔶	𝔶	𝔶	𝔶	\mbffraky	mathematical bold fraktur small y
U+1D59F	𝔷	𝔷	𝔷	𝔷	𝔷	𝔷	𝔷	\mbffrakz	mathematical bold fraktur small z

15.2.13 Bold sans serif, Latin, uppercase

USV	M	S	C	P	D	L	G	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	S	C	P	D	L	G	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

15.2.14 Bold sans serif, Latin, lowercase

USV	M	S	C	P	D	L	G	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
U+1D5FD	𝗽	𝗽	𝗽	𝗽	𝗽	𝗽	𝗽	\mbfsansp	mathematical sans-serif bold small p

USV	M	S	C	P	D	L	G	Macro	Description
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

15.2.15 Bold italic sans serif, Latin, uppercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
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

15.2.16 Bold italic sans serif, Latin, lowercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
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

15.2.17 Bold sans serif Greek, uppercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D756	𝗔	𝘼	𝐴	𝞐	𝞪	𝟈	𝝖	\mbfsansAlpha	mathematical sans-serif bold capital alpha
U+1D757	𝗕	𝘽	𝐵	𝞑	𝞫	𝟉	𝝗	\mbfsansBeta	mathematical sans-serif bold capital beta
U+1D758	𝗖	𝘾	𝐶	𝞒	𝞬	𝟊	𝝘	\mbfsansGamma	mathematical sans-serif bold capital gamma
U+1D759	𝗗	𝘿	𝐷	𝞓	𝞭	𝟋	𝝙	\mbfsansDelta	mathematical sans-serif bold capital delta

USV	M	S	C	P	D	L	G	Macro	Description
U+1D75A	𝝚	𝞚	𝚬	𝛦	𝐄	𝐸	𝖤	\mbfsansEpsilon	mathematical sans-serif bold capital epsilon
U+1D75B	𝝛	𝞛	𝚭	𝛧	𝐙	𝑍	𝖹	\mbfsansZeta	mathematical sans-serif bold capital zeta
U+1D75C	𝝜	𝞜	𝚮	𝛨	𝐇	𝐻	𝖧	\mbfsansEta	mathematical sans-serif bold capital eta
U+1D75D	𝝝	𝞝	𝚯	𝛩	𝚯	𝛩	𝛩	\mbfsansTheta	mathematical sans-serif bold capital theta
U+1D75E	𝝞	𝞞	𝚰	𝛪	𝐈	𝐼	𝖨	\mbfsansIota	mathematical sans-serif bold capital iota
U+1D75F	𝝟	𝞟	𝚱	𝛫	𝐊	𝐾	𝖪	\mbfsansKappa	mathematical sans-serif bold capital kappa
U+1D760	𝝠	𝞠	𝚲	𝛬	𝚲	𝛬	𝛬	\mbfsansLambda	mathematical sans-serif bold capital lambda
U+1D761	𝝡	𝞡	𝚳	𝛭	𝐌	𝑀	𝖬	\mbfsansMu	mathematical sans-serif bold capital mu
U+1D762	𝝢	𝞢	𝚴	𝛮	𝐍	𝑁	𝖭	\mbfsansNu	mathematical sans-serif bold capital nu
U+1D763	𝝣	𝞣	𝚵	𝛯	𝚵	𝛯	𝛯	\mbfsansXi	mathematical sans-serif bold capital xi
U+1D764	𝝤	𝞤	𝚶	𝛰	𝐎	𝑂	𝖮	\mbfsansOmicron	mathematical sans-serif bold capital omicron
U+1D765	𝝥	𝞥	𝚷	𝛱	𝚷	𝛱	𝛱	\mbfsansPi	mathematical sans-serif bold capital pi
U+1D766	𝝦	𝞦	𝚸	𝛲	𝐏	𝑃	𝖯	\mbfsansRho	mathematical sans-serif bold capital rho
U+1D767	𝝧	𝞧	𝚹	𝛳	𝚹	𝛳	𝛳	\mbfsansvarTheta	mathematical sans-serif bold capital theta symbol
U+1D768	𝝨	𝞨	𝚺	𝛴	𝐒	𝛴	𝛴	\mbfsansSigma	mathematical sans-serif bold capital sigma
U+1D769	𝝩	𝞩	𝚻	𝛵	𝐓	𝑇	𝖳	\mbfsansTau	mathematical sans-serif bold capital tau
U+1D76A	𝝪	𝞪	𝚼	𝛶	𝚼	𝛶	𝛶	\mbfsansUpsilon	mathematical sans-serif bold capital upsilon
U+1D76B	𝝫	𝞫	𝚽	𝛷	𝚽	𝛷	𝛷	\mbfsansPhi	mathematical sans-serif bold capital phi
U+1D76C	𝝬	𝞬	𝚾	𝛸	𝐗	𝑋	𝖷	\mbfsansChi	mathematical sans-serif bold capital chi
U+1D76D	𝝭	𝞭	𝚿	𝛹	𝚿	𝛹	𝛹	\mbfsansPsi	mathematical sans-serif bold capital psi
U+1D76E	𝝮	𝞮	𝛀	𝛺	𝛀	𝛺	𝛺	\mbfsansOmega	mathematical sans-serif bold capital omega

15.2.18 Bold sans serif Greek, lowercase

USV	M	S	C	P	D	L	G	Macro	Description
U+1D770	𝝰	𝞰	𝛂	𝛼	𝛂	𝛼	𝛼	\mbfsansalpha	mathematical sans-serif bold small alpha

USV	M	S	C	P	D	L	G	Macro	Description
U+1D771	𝜷	𝜷	𝜷	𝜷	𝜷	𝜷	𝜷	\mbfsansbeta	mathematical sans-serif bold small beta
U+1D772	𝜸	𝜸	𝜸	𝜸	𝜸	𝜸	𝜸	\mbfsansgamma	mathematical sans-serif bold small gamma
U+1D773	𝜹	𝜹	𝜹	𝜹	𝜹	𝜹	𝜹	\mbfsansdelta	mathematical sans-serif bold small delta
U+1D774	𝜺	𝜺	𝜺	𝜺	𝜺	𝜺	𝜺	\mbfsansvarepsilon	mathematical sans-serif bold small varepsilon
U+1D775	𝜻	𝜻	𝜻	𝜻	𝜻	𝜻	𝜻	\mbfsanszeta	mathematical sans-serif bold small zeta
U+1D776	𝜼	𝜼	𝜼	𝜼	𝜼	𝜼	𝜼	\mbfanseta	mathematical sans-serif bold small eta
U+1D777	𝜽	𝜽	𝜽	𝜽	𝜽	𝜽	𝜽	\mbfanstheta	mathematical sans-serif bold small theta
U+1D778	𝜾	𝜾	𝜾	𝜾	𝜾	𝜾	𝜾	\mbfansiota	mathematical sans-serif bold small iota
U+1D779	𝜿	𝜿	𝜿	𝜿	𝜿	𝜿	𝜿	\mbfanskappa	mathematical sans-serif bold small kappa
U+1D77A	𝝀	𝝀	𝝀	𝝀	𝝀	𝝀	𝝀	\mbfanslambda	mathematical sans-serif bold small lambda
U+1D77B	𝝁	𝝁	𝝁	𝝁	𝝁	𝝁	𝝁	\mbfansmu	mathematical sans-serif bold small mu
U+1D77C	𝝂	𝝂	𝝂	𝝂	𝝂	𝝂	𝝂	\mbfansnu	mathematical sans-serif bold small nu
U+1D77D	𝝃	𝝃	𝝃	𝝃	𝝃	𝝃	𝝃	\mbfansxi	mathematical sans-serif bold small xi
U+1D77E	𝝄	𝝄	𝝄	𝝄	𝝄	𝝄	𝝄	\mbfansomicron	mathematical sans-serif bold small omicron
U+1D77F	𝝅	𝝅	𝝅	𝝅	𝝅	𝝅	𝝅	\mbfanspi	mathematical sans-serif bold small pi
U+1D780	𝝆	𝝆	𝝆	𝝆	𝝆	𝝆	𝝆	\mbfansrho	mathematical sans-serif bold small rho
U+1D781	𝝇	𝝇	𝝇	𝝇	𝝇	𝝇	𝝇	\mbfansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	𝝈	𝝈	𝝈	𝝈	𝝈	𝝈	𝝈	\mbfanssigma	mathematical sans-serif bold small sigma
U+1D783	𝝉	𝝉	𝝉	𝝉	𝝉	𝝉	𝝉	\mbfanstau	mathematical sans-serif bold small tau
U+1D784	𝝊	𝝊	𝝊	𝝊	𝝊	𝝊	𝝊	\mbfansupsilon	mathematical sans-serif bold small upsilon
U+1D785	𝝋	𝝋	𝝋	𝝋	𝝋	𝝋	𝝋	\mbfansvarphi	mathematical sans-serif bold small phi
U+1D786	𝝌	𝝌	𝝌	𝝌	𝝌	𝝌	𝝌	\mbfanschi	mathematical sans-serif bold small chi
U+1D787	𝝍	𝝍	𝝍	𝝍	𝝍	𝝍	𝝍	\mbfanspsi	mathematical sans-serif bold small psi
U+1D788	𝝎	𝝎	𝝎	𝝎	𝝎	𝝎	𝝎	\mbfansomega	mathematical sans-serif bold small omega
U+1D789	𝝏	𝝏	𝝏	𝝏	𝝏			\mbfanspartial	mathematical sans-serif bold partial differential
U+1D78A	𝝐	𝝐	𝝐	𝝐	𝝐		𝝐	\mbfansepsilon	mathematical sans-serif bold varepsilon symbol

USV	M	S	C	P	D	L	G	Macro	Description
U+1D78B	𝝑	𝞡	𝜗	𝞡	𝞡	𝝡	𝞡	\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	𝝒	𝞬	𝜘	𝞬	𝞬			\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	𝝓	𝞭	𝜙	𝞭	𝞭			\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	𝝔	𝞮	𝜚	𝞮	𝞮			\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	𝝕	𝞯	𝜛	𝞯	𝞯			\mbfsansvarpi	mathematical sans-serif bold pi symbol

15.2.19 Bold italic sans serif Greek, uppercase

USV	M	S	C	P	D	L	G	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	𝘾	𝘾	𝘊	𝘾	𝘾	𝘾		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	𝘿	𝘿	𝘋	𝘿	𝘿	𝘿		\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	𝙊	𝙊	𝘖	𝙊	𝙊	𝙊		\mbfitsansTheta	mathematical sans-serif bold italic capital theta
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	𝙇	𝙇	𝘓	𝙇	𝙇	𝙇		\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	𝙓	𝙓	𝘟	𝙓	𝙓	𝙓		\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	𝙋	𝙋	𝘗	𝙋	𝙋	𝙋		\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	𝙋	𝙋	𝘗	𝙋	𝙋	𝙋		\mbfitsansRho	mathematical sans-serif bold italic capital rho

USV	M	S	C	P	D	L	G	Macro	Description
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	𝜯	𝞣	𝜯	𝞣	𝜯	𝞣		\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	𝜲	𝞦	𝜲	𝞦	𝜲	𝞦		\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

15.2.20 Bold italic sans serif Greek, lowercase

USV	M	S	C	P	D	L	G	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
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

USV	M	S	C	P	D	L	G	Macro	Description
U+1D7B8	𝞸	𝟈	𝛰	𝝄	𝝾	𝜊		\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	𝟊	𝛲	𝝆	𝞀	𝜌		\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	𝞻	𝟋	𝛳	𝝇	𝞁	𝜍		\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	𝞼	𝟌	𝛴	𝝈	𝞂	𝜎		\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	𝞽	𝟍	𝛵	𝝉	𝞃	𝜏		\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	𝞾	𝟎	𝛶	𝝊	𝞄	𝜐		\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	𝞿	𝟏	𝛷	𝝋	𝞅	𝜑		\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	𝟀	𝟐	𝛸	𝝌	𝞆	𝜒		\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	𝟁	𝟑	𝛹	𝝍	𝞇	𝜓		\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	𝟂	𝟒	𝛺	𝝎	𝞈	𝜔		\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	𝟃	𝟓	𝛻	𝝏	𝞉			\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	𝟄	𝟔	𝛼	𝝐	𝞊			\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	𝟅	𝟕	𝛽	𝝑	𝞋	𝜗		\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	𝟆	𝟖	𝛾	𝝒	𝞌			\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	𝟇	𝟗	𝛿	𝝓	𝞍			\mbfitsansphi	mathematical sans-serif bold italic phi symbol
U+1D7C8	𝟈	𝟘	𝜀	𝝔	𝞎			\mbfitsansvarrho	mathematical sans-serif bold italic rho symbol
U+1D7C9	𝟉	𝟙	𝜁	𝝕	𝞏			\mbfitsansvarpi	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

USV	M	S	C	P	D	L	G	Macro	Description
U+000F0	ð	𝖉	𝗱	𝘥	𝙙	𝚍	𝛛	\matheth	eth
U+02010	‐	‐	‐	‐	‐	‐	‐	\mathhyphen	hyphen
U+02102	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ	ℂ	\BbbC	/bbb c, open face c
U+0210A		𝔊	𝔤	𝔤	𝔤	𝔤	𝔤	\mscrg	/scr g, script letter g
U+0210B	ℋ	ℋ	ℌ	ℋ	ℌ	ℋ	ℋ	\mscrH	hamiltonian (script capital h)
U+0210C	ℌ	ℌ	ℌ	ℌ	ℌ	ℌ	ℌ	\mfrakH	/frak h, upper case h

USV	M	S	C	P	D	L	G	Macro	Description
U+0210D	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	$\mathbb{H}$	\BbbH	/bbb h, open face h
U+0210F	$\hbar$	$\hbar$	$\hbar$	$\hbar$	$\hbar$	$\hbar$	$\hbar$	\hslash[a]	/hslash - variant planck's over 2pi
U+02110	$\mathcal{I}$	$\mathcal{I}$	$\mathcal{I}$	$\mathcal{I}$	$\mathcal{I}$	$\mathcal{I}$	$\mathcal{I}$	\mscrI	/scr i, script letter i
U+02111	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	\Im[p]	imaginary part
U+02112	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	\mscrL	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	\ell[p]	cursive small l
U+02115	$\mathbb{N}$	$\mathbb{N}$	$\mathbb{N}$	$\mathbb{N}$	$\mathbb{N}$	$\mathbb{N}$	$\mathbb{N}$	\BbbN	/bbb n, open face n
U+02118	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	\wp[p]	weierstrass p
U+02119	$\mathbb{P}$	$\mathbb{P}$	$\mathbb{P}$	$\mathbb{P}$	$\mathbb{P}$	$\mathbb{P}$	$\mathbb{P}$	\BbbP	/bbb p, open face p
U+0211A	$\mathbb{Q}$	$\mathbb{Q}$	$\mathbb{Q}$	$\mathbb{Q}$	$\mathbb{Q}$	$\mathbb{Q}$	$\mathbb{Q}$	\BbbQ	/bbb q, open face q
U+0211B	$\mathcal{R}$	$\mathcal{R}$	$\mathcal{R}$	$\mathcal{R}$	$\mathcal{R}$	$\mathcal{R}$	$\mathcal{R}$	\mscrR	/scr r, script letter r
U+0211C	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	\Re[p]	real part
U+0211D	$\mathbb{R}$	$\mathbb{R}$	$\mathbb{R}$	$\mathbb{R}$	$\mathbb{R}$	$\mathbb{R}$	$\mathbb{R}$	\BbbR	/bbb r, open face r
U+02124	$\mathbb{Z}$	$\mathbb{Z}$	$\mathbb{Z}$	$\mathbb{Z}$	$\mathbb{Z}$	$\mathbb{Z}$	$\mathbb{Z}$	\BbbZ	/bbb z, open face z
U+02128	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	\mfrakZ	/frak z, upper case z
U+02129		ɪ						\turnediota	turned iota
U+0212B	Å	Å	Å	Å	Å		Å	\Angstrom	angstrom capital a, ring
U+0212C	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	\mscrB	bernoulli function (script capital b)
U+0212D	$\mathfrak{C}$	$\mathfrak{C}$	$\mathfrak{C}$	$\mathfrak{C}$	$\mathfrak{C}$	$\mathfrak{C}$	$\mathfrak{C}$	\mfrakC	black-letter capital c
U+0212F		$\mathscr{e}$	$\mathscr{e}$	$\mathscr{e}$	$\mathscr{e}$	$\mathscr{e}$	$\mathscr{e}$	\mscre	/scr e, script letter e
U+02130	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	\mscrE	/scr e, script letter e
U+02131	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	\mscrF	/scr f, script letter f
U+02133	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	\mscrM	physics m-matrix (script capital m)
U+02134		$\mathscr{o}$	$\mathscr{o}$	$\mathscr{o}$	$\mathscr{o}$	$\mathscr{o}$	$\mathscr{o}$	\mscro	order of (script small o)
U+02135	א	א	א	א	א	א	א	\aleph[p]	aleph, hebrew
U+02136	ב	ב	ב	ב	ב	ב	ב	\beth[a]	beth, hebrew
U+02137	ג	ג	ג	ג	ג	ג	ג	\gimel[a]	gimel, hebrew
U+02138	ד	ד	ד	ד	ד	ד	ד	\daleth[a]	daleth, hebrew
U+0213D	$\eth$	γ		γ	γ		γ	\Bbbgamma	double-struck small gamma
U+0213E	Γ	Γ		Γ	Γ		Γ	\BbbGamma	double-struck capital gamma
U+0213F	Π	Π		Π	Π		Π	\BbbPi	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	∂	\partial[p]	partial differential
U+02207	∇	∇	∇	∇	∇	∇	∇	\nabla[p]	nabla, del, hamilton operator

USV	M	S	C	P	D	L	G	Macro	Description
U+1D6A4	$\imath$	$\imath$	$\imath$	$\imath$	$\imath$	$\imath$	$\imath$	`\imath`(p)	mathematical italic small dotless i
U+1D6A5	$\jmath$	$\jmath$	$\jmath$	$\jmath$	$\jmath$	$\jmath$	$\jmath$	`\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		$\mathbf{F}$				$\mathbf{F}$		`\mbfDigamma`	mathematical bold capital digamma
U+1D7CB		$\digamma$				$\digamma$		`\mbfdigamma`	mathematical bold small digamma