Symbols defined by unicode-math

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Modified (df) to show Euler 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)

L Latin Modern Math (1602)

S STIX Math Two (2447)

E Erewhon Math (1690)

P TeX Gyre Pagella Math (1655)

A Asana Math (2323)

N Euler Math (1642)

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

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

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

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1 Opening symbols, \mathopen

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

5 'Over' symbols, \mathover

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

6 'Under' symbols, \mathunder

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

7 Accents, \mathaccent

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

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

USV	L	S	E	P	A	N	Macro	Description
U+00312		$\mathaccent"0312 x$					\oturnedcomma	combining turned comma above
U+00315		$\mathaccent"0315 x$					\ocommatopright	combining comma above right
U+0031A		$\mathaccent"031A x$					\droang	left angle above (non-spacing)
U+020D0	$\mathaccent"20D0 x$	$\mathaccent"20D0 x$	$\mathaccent"20D0 x$	$\mathaccent"20D0 x$	$\mathaccent"20D0 x$	$\mathaccent"20D0 x$	\leftharpoonaccent	combining left harpoon above
U+020D1	$\mathaccent"20D1 x$	$\mathaccent"20D1 x$	$\mathaccent"20D1 x$	$\mathaccent"20D1 x$	$\mathaccent"20D1 x$	$\mathaccent"20D1 x$	\rightharpoonaccent	combining right harpoon above
U+020D2	$\mathaccent"20D2 x$	$\mathaccent"20D2 x$	$\mathaccent"20D2 x$	$\mathaccent"20D2 x$	$\mathaccent"20D2 x$	$\mathaccent"20D2 x$	\vertoverlay	combining long vertical line overlay
U+020D7	$\mathaccent"20D7 x$	$\mathaccent"20D7 x$	$\mathaccent"20D7 x$	$\mathaccent"20D7 x$	$\mathaccent"20D7 x$	$\mathaccent"20D7 x$	\vec(p)	combining right arrow above
U+020DB	$\mathaccent"20DB x$	$\mathaccent"20DB x$	$\mathaccent"20DB x$	$\mathaccent"20DB x$	$\mathaccent"20DB x$	$\mathaccent"20DB x$	\dddot	combining three dots above
U+020DC	$\mathaccent"20DC x$	$\mathaccent"20DC x$	$\mathaccent"20DC x$	$\mathaccent"20DC x$	$\mathaccent"20DC x$	$\mathaccent"20DC x$	\ddddot	combining four dots above
U+020E7		$\mathaccent"20E7 x$			$\mathaccent"20E7 x$		\annuity	combining annuity symbol
U+020E9	$\mathaccent"20E9 x$	$\mathaccent"20E9 x$	$\mathaccent"20E9 x$	$\mathaccent"20E9 x$	$\mathaccent"20E9 x$	$\mathaccent"20E9 x$	\widebridgeabove	combining wide bridge above
U+020F0	$\mathaccent"20F0 x$	$\mathaccent"20F0 x$	$\mathaccent"20F0 x$	$\mathaccent"20F0 x$		$\mathaccent"20F0 x$	\asteraccent	combining asterisk above

8 Accents wide, \mathaccentwide

USV	L	S	E	P	A	N	Macro	Description
U+00302	$\mathaccent"0302 x+y$	$\mathaccent"0302 x+y$	$\mathaccent"0302 x+y$	$\mathaccent"0302 x+y$	$\mathaccent"0302 x+y$	$\mathaccent"0302 x+y$	\widehat(p)	circumflex accent
U+00303	$\mathaccent"0303 x+y$	$\mathaccent"0303 x+y$	$\mathaccent"0303 x+y$	$\mathaccent"0303 x+y$	$\mathaccent"0303 x+y$	$\mathaccent"0303 x+y$	\widetilde(p)	tilde
U+00305	$\mathaccent"0305 x+y$	$\mathaccent"0305 x+y$	$\mathaccent"0305 x+y$	$\mathaccent"0305 x+y$	$\mathaccent"0305 x+y$	$\mathaccent"0305 x+y$	\wideoverbar	stretchy overbar embellishment
U+00306	$\mathaccent"0306 x+y$	$\mathaccent"0306 x+y$	$\mathaccent"0306 x+y$	$\mathaccent"0306 x+y$	$\mathaccent"0306 x+y$	$\mathaccent"0306 x+y$	\widebreve	stretchy breve
U+0030C	$\mathaccent"030C x+y$	$\mathaccent"030C x+y$	$\mathaccent"030C x+y$	$\mathaccent"030C x+y$	$\mathaccent"030C x+y$	$\mathaccent"030C x+y$	\widecheck	stretchy caron
U+020D0	$\mathaccent"20D0 x+y$	$\mathaccent"20D0 x+y$	$\mathaccent"20D0 x+y$	$\mathaccent"20D0 x+y$	$\mathaccent"20D0 x+y$	$\mathaccent"20D0 x+y$	\overleftharpoon	combining left harpoon above
U+020D1	$\mathaccent"20D1 x+y$	$\mathaccent"20D1 x+y$	$\mathaccent"20D1 x+y$	$\mathaccent"20D1 x+y$	$\mathaccent"20D1 x+y$	$\mathaccent"20D1 x+y$	\overrightharpoon	combining right harpoon above
U+020D6	$\mathaccent"20D6 x+y$	$\mathaccent"20D6 x+y$	$\mathaccent"20D6 x+y$	$\mathaccent"20D6 x+y$	$\mathaccent"20D6 x+y$	$\mathaccent"20D6 x+y$	\overleftarrow(p)	combining left arrow above
U+020D7	$\mathaccent"20D7 x+y$	$\mathaccent"20D7 x+y$	$\mathaccent"20D7 x+y$	$\mathaccent"20D7 x+y$	$\mathaccent"20D7 x+y$	$\mathaccent"20D7 x+y$	\overrightarrow(p)	combining left arrow above
U+020E1	$\mathaccent"20E1 x+y$	$\mathaccent"20E1 x+y$	$\mathaccent"20E1 x+y$	$\mathaccent"20E1 x+y$	$\mathaccent"20E1 x+y$	$\mathaccent"20E1 x+y$	\overleftrightarrow	combining left right arrow above

9 Bottom accents, \mathbotaccent

USV	L	S	E	P	A	N	Macro	Description
U+020E8	x	x	x	x	x	x	\threeunderdot	combining triple underdot

10 Bottom accents wide, \mathbotaccentwide

USV	L	S	E	P	A	N	Macro	Description
U+00330	x + y	x + y	x + y	x + y		x + y	\wideutilde	under tilde accent (multiple characters and non-spacing)
U+00332	x + y	x + y	x + y	x + y	x + y	x + y	\mathunderbar	combining low line
U+0034D	x + y	x + y	x + y	x + y		x + y	\underleftrightarrow	underleftrightarrow accent
U+020EC	x + y	x + y	x + y	x + y	x + y	x + y	\underrightharpoondown	combining rightwards harpoon with barb downwards
U+020ED	x + y	x + y	x + y	x + y	x + y	x + y	\underleftharpoondown	combining leftwards harpoon with barb downwards
U+020EE	x + y	x + y	x + y	x + y	x + y	x + y	\underleftarrow	combining left arrow below
U+020EF	x + y	x + y	x + y	x + y	x + y	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	L	S	E	P	A	N	Macro	Description
U+02140	$\Bbbsum$	$\Bbbsum$	$\Bbbsum$	$\Bbbsum$	$\Bbbsum$	$\Bbbsum$	\Bbbsum	double-struck n-ary summation
U+0220F	$\prod$	$\prod$	$\prod$	$\prod$	$\prod$	$\prod$	\prod(p)	product operator
U+02210	$\coprod$	$\coprod$	$\coprod$	$\coprod$	$\coprod$	$\coprod$	\coprod(p)	coproduct operator
U+02211	$\sum$	$\sum$	$\sum$	$\sum$	$\sum$	$\sum$	\sum(p)	summation operator
U+0222B	$\int$	$\int$	$\int$	$\int$	$\int$	$\int$	\int(p)	integral operator
U+0222C	$\iint$	$\iint$	$\iint$	$\iint$	$\iint$	$\iint$	\iint	double integral operator
U+0222D	$\iiint$	$\iiint$	$\iiint$	$\iiint$	$\iiint$	$\iiint$	\iiint	triple integral operator

USV	L	S	E	P	A	N	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

USV	L	S	E	P	A	N	Macro	Description
U+02A05							`\bigsqcap`	n-ary square intersection operator
U+02A06							`\bigsqcup`(p)	n-ary square union operator
U+02A07							`\conjquant`	two logical and operator
U+02A08							`\disjquant`	two logical or operator
U+02A09							`\bigtimes`	n-ary times operator
U+02A0A							`\modtwosum`	modulo two sum
U+02A0B							`\sumint`	summation with integral
U+02A0C							`\iiiint`	quadruple integral operator
U+02A0D							`\intbar`	finite part integral
U+02A0E							`\intBar`	integral with double stroke
U+02A0F							`\fint`	integral average with slash
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

USV	L	S	E	P	A	N	Macro	Description
U+02A1A							\intcup	integral with union
U+02A1B							\upint	integral with overbar
U+02A1C							\lowint	integral with underbar
U+02A1D							\Join	join
U+02A1E							\bigtriangleleft	large left triangle operator
U+02A1F							\zcmp	z notation schema composition
U+02A20							\zpipe	z notation schema piping
U+02A21							\zproject	z notation schema projection
U+02AFC							\biginterleave	large triple vertical bar operator
U+02AFF							\bigtalloblong	n-ary white vertical bar
U+1EEF0							\arabicmaj	arabic mathematical operator meem with hah with tatweel
U+1EEF1							\arabichad	arabic mathematical operator hah with dal

12 Binary relations, \mathbin

USV	L	S	E	P	A	N	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

USV	L	S	E	P	A	N	Macro	Description
U+02212							\minus	minus sign
U+02213							\mp(p)	minus-or-plus sign
U+02214							\dotplus(a)	plus sign, dot above
U+02215							\divslash	division slash
U+02216							\setminus(p)	set minus (cf. reverse solidus)
U+02217							\ast(p)	centered asterisk
U+02218							\vysmwhtcircle	composite function (small circle)
U+02219							\vysmblkcircle	bullet operator
U+02227							\wedge(p)	/wedge /land b: logical and
U+02228							\vee(p)	/vee /lor b: logical or
U+02229							\cap(p)	intersection
U+0222A							\cup(p)	union or logical sum
U+02238							\dotminus	minus sign, dot above
U+0223E							\invlazys	most positive [inverted lazy s]
U+02240							\wr(p)	wreath product
U+0228C							\cupleftarrow	multiset
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

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

USV	L	S	E	P	A	N	Macro	Description
U+027E4							\whitesquaretickleft	white square with leftwards tick
U+027E5							\whitesquaretickright	white square with rightwards tick
U+029B5							\circlehbar	circle with horizontal bar
U+029B6							\circledvert	circled vertical bar
U+029B7							\circledparallel	circled parallel
U+029B8							\obslash	circled reverse solidus
U+029B9							\operp	circled perpendicular
U+029C0							\olessthan	circled less-than
U+029C1							\ogreaterthan	circled greater-than
U+029C4							\boxdiag	squared rising diagonal slash
U+029C5							\boxbslash	squared falling diagonal slash
U+029C6							\boxast	squared asterisk
U+029C7							\boxcircle	squared small circle
U+029C8							\boxbox	squared square
U+029CD							\triangleserifs	triangle with serifs at bottom
U+029D6							\hourglass	white hourglass
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

USV	L	S	E	P	A	N	Macro	Description
U+02A29							\commaminus	minus sign with comma above
U+02A2A							\minusdot	minus sign with dot below
U+02A2B							\minusfdots	minus sign with falling dots
U+02A2C							\minusrdots	minus sign with rising dots
U+02A2D							\oplusl hrim	plus sign in left half circle
U+02A2E							\oplusr hrim	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

USV	L	S	E	P	A	N	Macro	Description
U+02A48							\cupbarcap	union above bar above intersection
U+02A49							\capbarcup	intersection above bar above union
U+02A4A							\twocups	union beside and joined with union
U+02A4B							\twocaps	intersection beside and joined with intersection
U+02A4C							\closedvarcup	closed union with serifs
U+02A4D							\closedvarcap	closed intersection with serifs
U+02A4E							\Sqcap	double square intersection
U+02A4F							\Sqcup	double square union
U+02A50							\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51							\wedgeodot	logical and with dot above
U+02A52							\veeodot	logical or with dot above
U+02A53							\Wedge	double logical and
U+02A54							\Vee	double logical or
U+02A55							\wedgeonwedge	two intersecting logical and
U+02A56							\veeonvee	two intersecting logical or
U+02A57							\bigslopedvee	sloping large or
U+02A58							\bigslopedwedge	sloping large and
U+02A5A							\wedgemidvert	logical and with middle stem
U+02A5B							\veemidvert	logical or with middle stem
U+02A5C							\midbarwedge	ogical and with horizontal dash
U+02A5D							\midbarvee	logical or with horizontal dash
U+02A5E							\doublebarwedge[a]	logical and with double overbar
U+02A5F							\wedgebar	logical and with underbar
U+02A60							\wedgedoublebar	logical and with double underbar
U+02A61							\varveebar	small vee with underbar
U+02A62							\doublebarvee	logical or with double overbar
U+02A63							\veedoublebar	logical or with double underbar
U+02A64							\dsub	z notation domain antirestriction
U+02A65							\rsub	z notation range antirestriction
U+02A71							\eqqplus	equals sign above plus sign
U+02A72							\pluseqq	plus sign above equals sign

USV	L	S	E	P	A	N	Macro	Description
U+02AF4		⫴			⫴		\interleave	triple vertical bar binary relation
U+02AF5		⫵			⫵		\nhVvert	triple vertical bar with horizontal stroke
U+02AF6		⫶			⫶		\threedotcolon	triple colon operator
U+02AFB		⫻			⫻		\trslash	triple solidus binary relation
U+02AFD		⫽			⫽		\sslash	double solidus operator
U+02AFE		⫾			⫾		\talloblong	white vertical bar

13 Ordinary symbols, \mathord

USV	L	S	E	P	A	N	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

USV	L	S	E	P	A	N	Macro	Description
U+02033	″	″	″	″	″	″	\dprime	double prime or second, not superscripted
U+02034	‴	‴	‴	‴	‴	‴	\trprime	triple prime (not superscripted)
U+02035	‵	‵	‵	‵	‵	‵	\backprime[a]	reverse prime, not superscripted
U+02036	‶	‶	‶	‶	‶	‶	\backdprime	double reverse prime, not superscripted
U+02037	‷	‷	‷	‷	‷	‷	\backtrprime	triple reverse prime, not superscripted
U+02038		‸					\caretinsert	caret (insertion mark)
U+0203C		!!			‼		\Exclam	double exclamation mark
U+02043		⁃					\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??					\Question	double question mark
U+02057	⁗	⁗	⁗	⁗	⁗	⁗	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	\euro	euro sign
U+020DD	◌⃝	◌⃝	◌⃝	◌⃝	◌⃝	◌⃝	\enclosecircle	combining enclosing circle
U+020DE	◌⃞	◌⃞	◌⃞	◌⃞	◌⃞	◌⃞	\enclosesquare	combining enclosing square
U+020DF	◌⃟	◌⃟	◌⃟	◌⃟	◌⃟	◌⃟	\enclosediamond	combining enclosing diamond
U+020E4	◌⃤	◌⃤	◌⃤	◌⃤	◌⃤	◌⃤	\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℇ	ℇ	ℇ	ℇ	ℇ	ℇ	\Eulerconst	euler constant
U+0210E	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		Ⅎ	Ⅎ		Ⅎ	Ⅎ	\Finv[a]	turned capital f
U+0213C	ℼ	ℼ	ℼ	ℼ	ℼ	ℼ	\Bbbpi	double-struck small pi
U+02141		⅁	⅁		⅁	⅁	\Game[a]	turned sans-serif capital g
U+02142		⅂			⅂		\sansLturned	turned sans-serif capital l
U+02143		⅃			⅃		\sansLmirrored	reversed sans-serif capital l
U+02144		⅄			⅄		\Yup	turned sans-serif capital y
U+02145	𝐷	𝐷	𝐷	𝐷	𝐷		\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)

USV	L	S	E	P	A	N	Macro	Description
U+021B4							\linefeed	rightwards arrow with corner downwards
U+021B5							\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8							\barovernorthwestarrow	north west arrow to long bar
U+021B9							\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA							\acwopencirclearrow	anticlockwise open circle arrow
U+021BB							\cwopencirclearrow	clockwise open circle arrow
U+021DE							\nHuparrow	upwards arrow with double stroke
U+021DF							\nHdownarrow	downwards arrow with double stroke
U+021E0							\leftdasharrow	leftwards dashed arrow
U+021E1							\updasharrow	upwards dashed arrow
U+021E2							\rightdasharrow	rightwards dashed arrow
U+021E3							\downdasharrow	downwards dashed arrow
U+021E6							\leftwhitearrow	leftwards white arrow
U+021E7							\upwhitearrow	upwards white arrow
U+021E8							\rightwhitearrow	rightwards white arrow
U+021E9							\downwhitearrow	downwards white arrow
U+021EA							\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	\forall(p)	for all
U+02201	∁	∁	∁	∁	∁	∁	\complement(a)	complement sign
U+02203	∃	∃	∃	∃	∃	∃	\exists(p)	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	\nexists(a)	negated exists
U+02205	∅	∅	∅	∅	∅	∅	\varnothing(a)	circle, slash
U+02206	∆	∆	∆	∆	∆	∆	\increment	laplacian (delta; nabla^2)
U+0220E	∎	∎	∎	∎	∎	∎	\QED	end of proof
U+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

USV	L	S	E	P	A	N	Macro	Description
U+0223F							\sinewave	sine wave
U+022A4							\top(p)	top
U+022A5							\bot(p)	bottom
U+022B9							\hermitmatrix	hermitian conjugate matrix
U+022BE							\measuredrightangle	right angle-measured [with arc]
U+022BF							\varlrtriangle	right triangle
U+022EF							\unicodecdots	three dots, centered
U+02300							\diameter	diameter sign
U+02302							\house	house
U+02310							\invnot	reverse not
U+02311							\sqlozenge	square lozenge
U+02312							\profline	profile of a line
U+02313							\profsurf	profile of a surface
U+02317							\viewdata	viewdata square
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	L	S	E	P	A	N	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
U+023B9							\rvboxline	right vertical box line
U+023CE							\varcarriagereturn	return symbol
U+023E0							\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1							\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2							\trapezium	white trapezium

USV	L	S	E	P	A	N	Macro	Description
U+023E3							\benzenr	benzene ring with circle
U+023E4							\strns	straightness
U+023E5							\fltns	flatness
U+023E6							\accurrent	ac current
U+023E7							\elinters	electrical intersection
U+02422							\blanksymbol	blank symbol
U+02423							\mathvisiblespace	open box
U+02506							\bdtriplevdash	doubly broken vert
U+02580							\blockuphalf	upper half block
U+02584							\blocklowhalf	lower half block
U+02588							\blockfull	full block
U+0258C							\blocklefthalf	left half block
U+02590							\blockrighthalf	right half block
U+02591							\blockqtrshaded	25% shaded block
U+02592							\blockhalfshaded	50% shaded block
U+02593							\blockthreeqtrshaded	75% shaded block
U+025A0							\mdlgblksquare	square, filled
U+025A1							\mdlgwhtsquare	square, open
U+025A2							\squoval	white square with rounded corners
U+025A3							\blackinwhitesquare	white square containing black small square
U+025A4							\squarehfill	square, horizontal rule filled
U+025A5							\squarevfill	square, vertical rule filled
U+025A6							\squarehvfill	square with orthogonal crosshatch fill
U+025A7							\squarenwsefill	square, nw-to-se rule filled
U+025A8							\squareneswfill	square, ne-to-sw rule filled
U+025A9							\squarecrossfill	square with diagonal crosshatch fill
U+025AA							\smblksquare	/blacksquare - sq bullet, filled
U+025AB							\smwhtsquare	white small square
U+025AC							\hrectangleblack	black rectangle
U+025AD							\hrectangle	horizontal rectangle, open
U+025AE							\vrectangleblack	black vertical rectangle
U+025AF							\vrectangle	rectangle, white (vertical)

USV	L	S	E	P	A	N	Macro	Description
U+025B0							\parallelogramblack	black parallelogram
U+025B1							\parallelogram	parallelogram, open
U+025B2							\bigblacktriangleup	black up-pointing triangle
U+025B4							\blacktriangle[a]	up triangle, filled
U+025B6							\blacktriangleright[a]	(large) right triangle, filled
U+025B8							\smallblacktriangleright	right triangle, filled
U+025B9							\smalltriangleright	right triangle, open
U+025BA							\blackpointerright	black right-pointing pointer
U+025BB							\whitepointerright	white right-pointing pointer
U+025BC							\bigblacktriangledown	big down triangle, filled
U+025BD							\bigtriangledown[p]	big down triangle, open
U+025BE							\blacktriangledown[a]	down triangle, filled
U+025BF							\triangledown[a]	down triangle, open
U+025C0							\blacktriangleleft[a]	(large) left triangle, filled
U+025C2							\smallblacktriangleleft	left triangle, filled
U+025C3							\smalltriangleleft	left triangle, open
U+025C4							\blackpointerleft	black left-pointing pointer
U+025C5							\whitepointerleft	white left-pointing pointer
U+025C6							\mdlgblkdiamond	black diamond
U+025C7							\mdlgwhtdiamond	white diamond; diamond, open
U+025C8							\blackinwhitediamond	white diamond containing black small diamond
U+025C9							\fisheye	fisheye
U+025CA							\mdlgwhtlozenge	lozenge or total mark
U+025CC							\dottedcircle	dotted circle
U+025CD							\circlevertfill	circle with vertical fill
U+025CE							\bullseye	bullseye
U+025CF							\mdlgblkcircle	circle, filled
U+025D0							\circlelefthalfblack	circle, filled left half [harvey ball]
U+025D1							\circlerighthalfblack	circle, filled right half
U+025D2							\circlebottomhalfblack	circle, filled bottom half
U+025D3							\circletophalfblack	circle, filled top half
U+025D4							\circleurquadblack	circle with upper right quadrant black
U+025D5							\blackcircleulquadwhite	circle with all but upper left quadrant black

USV	L	S	E	P	A	N	Macro	Description
U+025D6							\blacklefthalfcircle	left half black circle
U+025D7							\blackrighthalfcircle	right half black circle
U+025D8							\inversebullet	inverse bullet
U+025D9							\inversewhitecircle	inverse white circle
U+025DA							\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB							\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC							\ularc	upper left quadrant circular arc
U+025DD							\urarc	upper right quadrant circular arc
U+025DE							\lrarc	lower right quadrant circular arc
U+025DF							\llarc	lower left quadrant circular arc
U+025E0							\topsemicircle	upper half circle
U+025E1							\botsemicircle	lower half circle
U+025E2							\lrblacktriangle	lower right triangle, filled
U+025E3							\llblacktriangle	lower left triangle, filled
U+025E4							\ulblacktriangle	upper left triangle, filled
U+025E5							\urblacktriangle	upper right triangle, filled
U+025E6							\smwhtcircle	white bullet
U+025E7							\squareleftblack	square, filled left half
U+025E8							\squarerightblack	square, filled right half
U+025E9							\squareulblack	square, filled top left corner
U+025EA							\squarelrblack	square, filled bottom right corner
U+025EC							\trianglecdot	triangle with centered dot
U+025ED							\triangleleftblack	up-pointing triangle with left half black
U+025EE							\trianglerightblack	up-pointing triangle with right half black
U+025EF							\lgwhtcircle	large circle
U+025F0							\squareulquad	white square with upper left quadrant
U+025F1							\squarellquad	white square with lower left quadrant
U+025F2							\squarelrquad	white square with lower right quadrant
U+025F3							\squareurquad	white square with upper right quadrant
U+025F4							\circleulquad	white circle with upper left quadrant

USV	L	S	E	P	A	N	Macro	Description
U+025F5							\circlellquad	white circle with lower left quadrant
U+025F6							\circlelrquad	white circle with lower right quadrant
U+025F7							\circleurquad	white circle with upper right quadrant
U+025F8							\ultriangle	upper left triangle
U+025F9							\urtriangle	upper right triangle
U+025FA							\lltriangle	lower left triangle
U+025FB							\mdwhtsquare	white medium square
U+025FC							\mdblksquare	black medium square
U+025FD							\mdsmwhtsquare	white medium small square
U+025FE							\mdsmblksquare	black medium small square
U+025FF							\lrtriangle	lower right triangle
U+02605							\bigstar[a]	star, filled
U+02606							\bigwhitestar	star, open
U+02609							\astrosun	sun
U+02621							\danger	dangerous bend (caution sign)
U+0263B							\blacksmiley	black smiling face
U+0263C							\sun	white sun with rays
U+0263D							\rightmoon	first quarter moon
U+0263E							\leftmoon	last quarter moon
U+02640							\female	venus, female
U+02642							\male	mars, male
U+02660							\spadesuit[p]	spades suit symbol
U+02661							\heartsuit[p]	heart suit symbol
U+02662							\diamondsuit[p]	diamond suit symbol
U+02663							\clubsuit[p]	club suit symbol
U+02664							\varspadesuit	spade, white (card suit)
U+02665							\varheartsuit	filled heart (card suit)
U+02666							\vardiamondsuit	filled diamond (card suit)
U+02667							\varclubsuit	club, white (card suit)
U+02669							\quarternote	music note (sung text sign)
U+0266A							\eighthnote	eighth note
U+0266B							\twonotes	beamed eighth notes
U+0266D							\flat[p]	musical flat

USV	L	S	E	P	A	N	Macro	Description
U+0266E							\natural(p)	music natural
U+0266F							\sharp(p)	musical sharp
U+0267E							\acidfree	permanent paper sign
U+02680							\dicei	die face-1
U+02681							\diceii	die face-2
U+02682							\diceiii	die face-3
U+02683							\diceiv	die face-4
U+02684							\dicev	die face-5
U+02685							\dicevi	die face-6
U+02686							\circledrightdot	white circle with dot right
U+02687							\circledtwodots	white circle with two dots
U+02688							\blackcircledrightdot	black circle with white dot right
U+02689							\blackcircledtwodots	black circle with two white dots
U+026A5							\Hermaphrodite	male and female sign
U+026AA							\mdwhtcircle	medium white circle
U+026AB							\mdblkcircle	medium black circle
U+026AC							\mdsmwhtcircle	medium small white circle
U+026B2							\neuter	neuter
U+02713							\checkmark	tick, check mark
U+02720							\maltese	maltese cross
U+0272A							\circledstar	circled white star
U+02736							\varstar	six pointed black star
U+0273D							\dingasterisk	heavy teardrop-spoked asterisk
U+0279B							\draftingarrow	right arrow with bold head (drafting)
U+027C0							\threedangle	three dimensional angle
U+027C1							\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3							\subsetcirc	open subset
U+027C4							\supsetcirc	open superset
U+027CB							\diagup(a)	mathematical rising diagonal
U+027CD							\diagdown(a)	mathematical falling diagonal
U+027D0							\diamondcdot	white diamond with centred dot
U+0292B							\rdiagovfdiag	rising diagonal crossing falling diagonal

USV	L	S	E	P	A	N	Macro	Description
U+0292C							\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D							\seovnearrow	south east arrow crossing north east arrow
U+0292E							\neovsearrow	north east arrow crossing south east arrow
U+0292F							\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930							\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931							\neovnwarrow	north east arrow crossing north west arrow
U+02932							\nwovnearrow	north west arrow crossing north east arrow
U+02934							\uprightcurvearrow	arrow pointing rightwards then curving upwards
U+02935							\downrightcurvedarrow	arrow pointing rightwards then curving downwards
U+02981							\mdsmblkcircle	z notation spot
U+02999							\fourvdots	dotted fence
U+0299A							\vzigzag	vertical zigzag line
U+0299B							\measuredangleleft	measured angle opening left
U+0299C							\rightanglesqr	right angle variant with square
U+0299D							\rightanglemdot	measured right angle with dot
U+0299E							\angles	angle with s inside
U+0299F							\angdnr	acute angle
U+029A0							\gtlpar	spherical angle opening left
U+029A1							\sphericalangleup	spherical angle opening up
U+029A2							\turnangle	turned angle
U+029A3							\revangle	reversed angle
U+029A4							\angleubar	angle with underbar
U+029A5							\revangleubar	reversed angle with underbar
U+029A6							\wideangledown	oblique angle opening up
U+029A7							\wideangleup	oblique angle opening down
U+029A8							\measanglerutone	measured angle with open arm ending in arrow pointing up and right
U+029A9							\measanglelutonw	measured angle with open arm ending in arrow pointing up and left
U+029AA							\measanglerdtose	measured angle with open arm ending in arrow pointing down and right

USV	L	S	E	P	A	N	Macro	Description
U+029AB							\measangleldtosw	measured angle with open arm ending in arrow pointing down and left
U+029AC							\measangleurtone	measured angle with open arm ending in arrow pointing right and up
U+029AD							\measangleultonw	measured angle with open arm ending in arrow pointing left and up
U+029AE							\measangledrtose	measured angle with open arm ending in arrow pointing right and down
U+029AF							\measangledltosw	measured angle with open arm ending in arrow pointing left and down
U+029B0							\revemptyset	reversed empty set
U+029B1							\emptysetobar	empty set with overbar
U+029B2							\emptysetocirc	empty set with small circle above
U+029B3							\emptysetoarr	empty set with right arrow above
U+029B4							\emptysetoarrl	empty set with left arrow above
U+029BA							\obot	circle divided by horizontal bar and top half divided by vertical bar
U+029BB							\olcross	circle with superimposed x
U+029BC							\odotslashdot	circled anticlockwise-rotated division sign
U+029BD							\uparrowoncircle	up arrow through circle
U+029BE							\circledwhitebullet	circled white bullet
U+029BF							\circledbullet	circled bullet
U+029C2							\cirscir	circle with small circle to the right
U+029C3							\cirE	circle with two horizontal strokes to the right
U+029C9							\boxonbox	two joined squares
U+029CA							\triangleodot	triangle with dot above
U+029CB							\triangleubar	triangle with underbar
U+029CC							\triangles	s in triangle
U+029DC							\iinfin	incomplete infinity
U+029DD							\tieinfty	tie over infinity
U+029DE							\nvinfty	infinity negated with vertical bar
U+029E0							\laplac	square with contoured outline
U+029E7							\thermod	thermodynamic

USV	L	S	E	P	A	N	Macro	Description
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
U+02B21							\varhexagon	white hexagon
U+02B22							\varhexagonblack	black hexagon
U+02B23							\hexagonblack	horizontal black hexagon
U+02B24							\lgblkcircle	black large circle

USV	L	S	E	P	A	N	Macro	Description
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	\mbfzero	mathematical bold digit 0
U+1D7CF	1	𝟏	𝟏	𝟏	𝟏	𝟏	\mbfone	mathematical bold digit 1
U+1D7D0	2	𝟐	𝟐	𝟐	𝟐	𝟐	\mbftwo	mathematical bold digit 2
U+1D7D1	3	𝟑	𝟑	𝟑	𝟑	𝟑	\mbfthree	mathematical bold digit 3
U+1D7D2	4	𝟒	𝟒	𝟒	𝟒	𝟒	\mbffour	mathematical bold digit 4
U+1D7D3	5	𝟓	𝟓	𝟓	𝟓	𝟓	\mbffive	mathematical bold digit 5
U+1D7D4	6	𝟔	𝟔	𝟔	𝟔	𝟔	\mbfsix	mathematical bold digit 6
U+1D7D5	7	𝟕	𝟕	𝟕	𝟕	𝟕	\mbfseven	mathematical bold digit 7
U+1D7D6	8	𝟖	𝟖	𝟖	𝟖	𝟖	\mbfeight	mathematical bold digit 8
U+1D7D7	9	𝟗	𝟗	𝟗	𝟗	𝟗	\mbfnine	mathematical bold digit 9
U+1D7D8	0	𝟘	𝟘	𝟘	𝟘	𝟘	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	𝟙	𝟙	𝟙	𝟙	𝟙	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	𝟚	𝟚	𝟚	𝟚	𝟚	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	𝟛	𝟛	𝟛	𝟛	𝟛	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	𝟜	𝟜	𝟜	𝟜	𝟜	\Bbbfour	mathematical double-struck digit 4

USV	L	S	E	P	A	N	Macro	Description
U+1D7DD	𝟝	𝟝	𝟝	𝟝	𝟝	𝟝	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	𝟞	𝟞	𝟞	𝟞	𝟞	𝟞	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	𝟟	𝟟	𝟟	𝟟	𝟟	𝟟	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	𝟠	𝟠	𝟠	𝟠	𝟠	𝟠	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	𝟡	𝟡	𝟡	𝟡	𝟡	𝟡	\Bbbnine	mathematical double-struck digit 9
U+1D7E2	𝟢	𝟢	𝟢	𝟢	𝟢	𝟢	\msanszero	mathematical sans-serif digit 0
U+1D7E3	𝟣	𝟣	𝟣	𝟣	𝟣	𝟣	\msansone	mathematical sans-serif digit 1
U+1D7E4	𝟤	𝟤	𝟤	𝟤	𝟤	𝟤	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	𝟥	𝟥	𝟥	𝟥	𝟥	𝟥	\msansthree	mathematical sans-serif digit 3
U+1D7E6	𝟦	𝟦	𝟦	𝟦	𝟦	𝟦	\msansfour	mathematical sans-serif digit 4
U+1D7E7	𝟧	𝟧	𝟧	𝟧	𝟧	𝟧	\msansfive	mathematical sans-serif digit 5
U+1D7E8	𝟨	𝟨	𝟨	𝟨	𝟨	𝟨	\msanssix	mathematical sans-serif digit 6
U+1D7E9	𝟩	𝟩	𝟩	𝟩	𝟩	𝟩	\msansseven	mathematical sans-serif digit 7
U+1D7EA	𝟪	𝟪	𝟪	𝟪	𝟪	𝟪	\msanseight	mathematical sans-serif digit 8
U+1D7EB	𝟫	𝟫	𝟫	𝟫	𝟫	𝟫	\msansnine	mathematical sans-serif digit 9
U+1D7EC	𝟬	𝟬	𝟬	𝟬	𝟬	𝟬	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	𝟭	𝟭	𝟭	𝟭	𝟭	𝟭	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	𝟮	𝟮	𝟮	𝟮	𝟮	𝟮	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	𝟯	𝟯	𝟯	𝟯	𝟯	𝟯	\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	𝟰	𝟰	𝟰	𝟰	𝟰	𝟰	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	𝟱	𝟱	𝟱	𝟱	𝟱	𝟱	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	𝟲	𝟲	𝟲	𝟲	𝟲	𝟲	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	𝟳	𝟳	𝟳	𝟳	𝟳	𝟳	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	𝟴	𝟴	𝟴	𝟴	𝟴	𝟴	\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	𝟵	𝟵	𝟵	𝟵	𝟵	𝟵	\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	𝟶	𝟶	𝟶	𝟶	𝟶	𝟶	\mttzero	mathematical monospace digit 0
U+1D7F7	𝟷	𝟷	𝟷	𝟷	𝟷	𝟷	\mttone	mathematical monospace digit 1
U+1D7F8	𝟸	𝟸	𝟸	𝟸	𝟸	𝟸	\mtttwo	mathematical monospace digit 2

USV	L	S	E	P	A	N	Macro	Description
U+1D7F9	3	3	3	3	3	3	`\mtthree`	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4	`\mttfour`	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5	`\mttfive`	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6	`\mttsix`	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7	`\mttseven`	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8	`\mteight`	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9	`\mttnine`	mathematical monospace digit 9

14 Relation symbols, \mathrel

USV	L	S	E	P	A	N	Macro	Description
U+0003C	$<$	$<$	$<$	$<$	$<$	$<$	\less	less-than sign r:
U+0003D	$=$	$=$	$=$	$=$	$=$	$=$	\equal	equals sign r:
U+0003E	$>$	$>$	$>$	$>$	$>$	$>$	\greater	greater-than sign r:
U+02050		$\frown$			$\frown$		\closure	close up
U+02190	$\leftarrow$	$\leftarrow$	$\leftarrow$	$\leftarrow$	$\leftarrow$	$\leftarrow$	\leftarrow(p)	/leftarrow /gets a: leftward arrow
U+02191	$\uparrow$	$\uparrow$	$\uparrow$	$\uparrow$	$\uparrow$	$\uparrow$	\uparrow(p)	upward arrow
U+02192	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	$\rightarrow$	\rightarrow(p)	/rightarrow /to a: rightward arrow
U+02193	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	\downarrow(p)	downward arrow
U+02194	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	\leftrightarrow(p)	left and right arrow
U+02195	$\updownarrow$	$\updownarrow$	$\updownarrow$	$\updownarrow$	$\updownarrow$	$\updownarrow$	\updownarrow(p)	up and down arrow
U+02196	$\nwarrow$	$\nwarrow$	$\nwarrow$	$\nwarrow$	$\nwarrow$	$\nwarrow$	\nwarrow(p)	nw pointing arrow
U+02197	$\nearrow$	$\nearrow$	$\nearrow$	$\nearrow$	$\nearrow$	$\nearrow$	\nearrow(p)	ne pointing arrow
U+02198	$\searrow$	$\searrow$	$\searrow$	$\searrow$	$\searrow$	$\searrow$	\searrow(p)	se pointing arrow
U+02199	$\swarrow$	$\swarrow$	$\swarrow$	$\swarrow$	$\swarrow$	$\swarrow$	\swarrow(p)	sw pointing arrow
U+0219A	$\nleftarrow$	$\nleftarrow$	$\nleftarrow$	$\nleftarrow$	$\nleftarrow$	$\nleftarrow$	\nleftarrow(a)	not left arrow
U+0219B	$\nrightarrow$	$\nrightarrow$	$\nrightarrow$	$\nrightarrow$	$\nrightarrow$	$\nrightarrow$	\nrightarrow(a)	not right arrow
U+0219C		$\leftwavearrow$			$\leftwavearrow$		\leftwavearrow	left arrow-wavy
U+0219D		$\rightwavearrow$			$\rightwavearrow$		\rightwavearrow	right arrow-wavy
U+0219E	$\twoheadleftarrow$	$\twoheadleftarrow$	$\twoheadleftarrow$	$\twoheadleftarrow$	$\twoheadleftarrow$	$\twoheadleftarrow$	\twoheadleftarrow(a)	left two-headed arrow
U+0219F	$\twoheaduparrow$	$\twoheaduparrow$	$\twoheaduparrow$	$\twoheaduparrow$	$\twoheaduparrow$	$\twoheaduparrow$	\twoheaduparrow	up two-headed arrow
U+021A0	$\twoheadrightarrow$	$\twoheadrightarrow$	$\twoheadrightarrow$	$\twoheadrightarrow$	$\twoheadrightarrow$	$\twoheadrightarrow$	\twoheadrightarrow(a)	right two-headed arrow
U+021A1	$\twoheaddownarrow$	$\twoheaddownarrow$	$\twoheaddownarrow$	$\twoheaddownarrow$	$\twoheaddownarrow$	$\twoheaddownarrow$	\twoheaddownarrow	down two-headed arrow
U+021A2	$\leftarrowtail$	$\leftarrowtail$	$\leftarrowtail$	$\leftarrowtail$	$\leftarrowtail$	$\leftarrowtail$	\leftarrowtail(a)	left arrow-tailed
U+021A3	$\rightarrowtail$	$\rightarrowtail$	$\rightarrowtail$	$\rightarrowtail$	$\rightarrowtail$	$\rightarrowtail$	\rightarrowtail(a)	right arrow-tailed
U+021A4	$\mapsfrom$	$\mapsfrom$	$\mapsfrom$	$\mapsfrom$	$\mapsfrom$	$\mapsfrom$	\mapsfrom	maps to, leftward
U+021A5	$\mapsup$	$\mapsup$	$\mapsup$	$\mapsup$	$\mapsup$	$\mapsup$	\mapsup	maps to, upward
U+021A6	$\mapsto$	$\mapsto$	$\mapsto$	$\mapsto$	$\mapsto$	$\mapsto$	\mapsto(p)	maps to, rightward
U+021A7	$\mapsdown$	$\mapsdown$	$\mapsdown$	$\mapsdown$	$\mapsdown$	$\mapsdown$	\mapsdown	maps to, downward
U+021A9	$\hookleftarrow$	$\hookleftarrow$	$\hookleftarrow$	$\hookleftarrow$	$\hookleftarrow$	$\hookleftarrow$	\hookleftarrow(p)	left arrow-hooked
U+021AA	$\hookrightarrow$	$\hookrightarrow$	$\hookrightarrow$	$\hookrightarrow$	$\hookrightarrow$	$\hookrightarrow$	\hookrightarrow(p)	right arrow-hooked
U+021AB	$\looparrowleft$	$\looparrowleft$	$\looparrowleft$	$\looparrowleft$	$\looparrowleft$	$\looparrowleft$	\looparrowleft(a)	left arrow-looped
U+021AC	$\looparrowright$	$\looparrowright$	$\looparrowright$	$\looparrowright$	$\looparrowright$	$\looparrowright$	\looparrowright(a)	right arrow-looped

USV	L	S	E	P	A	N	Macro	Description
U+021AD							\leftrightsquigarrow[a]	left and right arr-wavy
U+021AE							\nleftrightarrow[a]	not left and right arrow
U+021AF							\downzigzagarrow	downwards zigzag arrow
U+021B0							\Lsh[a]	/lsh a:
U+021B1							\Rsh[a]	/rsh a:
U+021B2							\Ldsh	left down angled arrow
U+021B3							\Rdsh	right down angled arrow
U+021B6							\curvearrowleft[a]	left curved arrow
U+021B7							\curvearrowright[a]	right curved arrow
U+021BC							\leftharpoonup[p]	left harpoon-up
U+021BD							\leftharpoondown[p]	left harpoon-down
U+021BE							\upharpoonright[a]	/upharpoonright /restriction a: up harpoon-right
U+021BF							\upharpoonleft[a]	up harpoon-left
U+021C0							\rightharpoonup[p]	right harpoon-up
U+021C1							\rightharpoondown[p]	right harpoon-down
U+021C2							\downharpoonright[a]	down harpoon-right
U+021C3							\downharpoonleft[a]	down harpoon-left
U+021C4							\rightleftarrows[a]	right arrow over left arrow
U+021C5							\updownarrows	up arrow, down arrow
U+021C6							\leftrightarrows[a]	left arrow over right arrow
U+021C7							\leftleftarrows[a]	two left arrows
U+021C8							\upuparrows[a]	two up arrows
U+021C9							\rightrightarrows[a]	two right arrows
U+021CA							\downdownarrows[a]	two down arrows
U+021CB							\leftrightharpoons[a]	left harpoon over right
U+021CC							\rightleftharpoons[l]	right harpoon over left
U+021CD							\nLeftarrow[a]	not implied by
U+021CE							\nLeftrightarrow[a]	not left and right double arrows
U+021CF							\nRightarrow[a]	not implies
U+021D0							\Leftarrow[p]	is implied by
U+021D1							\Uparrow[p]	up double arrow
U+021D2							\Rightarrow[p]	implies
U+021D3							\Downarrow[p]	down double arrow
U+021D4							\Leftrightarrow[p]	left and right double arrow

USV	L	S	E	P	A	N	Macro	Description
U+021D5							\Updownarrow[p]	up and down double arrow
U+021D6							\Nwarrow	nw pointing double arrow
U+021D7							\Nearrow	ne pointing double arrow
U+021D8							\Searrow	se pointing double arrow
U+021D9							\Swarrow	sw pointing double arrow
U+021DA							\Lleftarrow[a]	left triple arrow
U+021DB							\Rrightarrow[a]	right triple arrow
U+021DC							\leftsquigarrow	leftwards squiggle arrow
U+021DD							\rightsquigarrow[a]	rightwards squiggle arrow
U+021E4							\barleftarrow	leftwards arrow to bar
U+021E5							\rightarrowbar	rightwards arrow to bar
U+021F4							\circleonrightarrow	right arrow with small circle
U+021F5							\downuparrows	downwards arrow leftwards of upwards arrow
U+021F6							\rightthreearrows	three rightwards arrows
U+021F7							\nvleftarrow	leftwards arrow with vertical stroke
U+021F8							\nvrightarrow	rightwards arrow with vertical stroke
U+021F9							\nvleftrightarrow	left right arrow with vertical stroke
U+021FA							\nVleftarrow	leftwards arrow with double vertical stroke
U+021FB							\nVrightarrow	rightwards arrow with double vertical stroke
U+021FC							\nVleftrightarrow	left right arrow with double vertical stroke
U+021FD							\leftarrowtriangle	leftwards open-headed arrow
U+021FE							\rightarrowtriangle	rightwards open-headed arrow
U+021FF							\leftrightarrowtriangle	left right open-headed arrow
U+02208							\in[p]	set membership, variant
U+02209							\notin[(])	negated set membership
U+0220A							\smallin	set membership (small set membership)
U+0220B							\ni[p]	contains, variant
U+0220C							\nni	negated contains, variant
U+0220D							\smallni	/ni /owns r: contains (small contains as member)
U+0221D							\propto[p]	is proportional to
U+02223							\mid[p]	/mid r:

USV	L	S	E	P	A	N	Macro	Description
U+02224							`\nmid`[a]	negated mid
U+02225							`\parallel`[p]	parallel
U+02226							`\nparallel`[a]	not parallel
U+02236							`\mathratio`	ratio
U+02237							`\Colon`	two colons
U+02239							`\dashcolon`	excess (-:)
U+0223A							`\dotsminusdots`	minus with four dots, geometric properties
U+0223B							`\kernelcontraction`	homothetic
U+0223C							`\sim`[p]	similar
U+0223D							`\backsim`[a]	reverse similar
U+02241							`\nsim`[a]	not similar
U+02242							`\eqsim`[a]	equals, similar
U+02243							`\simeq`[p]	similar, equals
U+02244							`\nsime`	not similar, equals
U+02243							`\sime`	similar, equals (alias)
U+02244							`\nsimeq`	not similar, equals (alias)
U+02245							`\cong`[l]	congruent with
U+02246							`\simneqq`	similar, not equals [vert only for 9573 entity]
U+02247							`\ncong`[a]	not congruent with
U+02248							`\approx`[p]	approximate
U+02249							`\napprox`	not approximate
U+0224A							`\approxeq`[a]	approximate, equals
U+0224B							`\approxident`	approximately identical to
U+0224C							`\backcong`	all equal to
U+0224D							`\asymp`[p]	asymptotically equal to
U+0224E							`\Bumpeq`[a]	bumpy equals
U+0224F							`\bumpeq`[a]	bumpy equals, equals
U+02250							`\doteq`[l]	equals, single dot above
U+02251							`\Doteq`[a]	/doteqdot /doteq r: equals, even dots
U+02252							`\fallingdotseq`[a]	equals, falling dots
U+02253							`\risingdotseq`[a]	equals, rising dots
U+02254							`\coloneq`	colon, equals
U+02255							`\eqcolon`	equals, colon

USV	L	S	E	P	A	N	Macro	Description
U+02256							\eqcirc[a]	circle on equals sign
U+02257							\circeq[a]	circle, equals
U+02258							\arceq	arc, equals; corresponds to
U+02259							\wedgeq	corresponds to (wedge, equals)
U+0225A							\veeeq	logical or, equals
U+0225B							\stareq	star equals
U+0225C							\triangleq[a]	triangle, equals
U+0225D							\eqdef	equals by definition
U+0225E							\measeq	measured by (m over equals)
U+0225F							\questeq	equal with questionmark
U+02260							\ne[p]	/ne /neq r: not equal
U+02261							\equiv[p]	identical with
U+02262							\nequiv	not identical with
U+02263							\Equiv	strict equivalence (4 lines)
U+02264							\leq[p]	/leq /le r: less-than-or-equal
U+02265							\geq[p]	/geq /ge r: greater-than-or-equal
U+02266							\leqq[a]	less, double equals
U+02267							\geqq[a]	greater, double equals
U+02268							\lneqq[a]	less, not double equals
U+02269							\gneqq[a]	greater, not double equals
U+0226A							\ll[p]	much less than, type 2
U+0226B							\gg[p]	much greater than, type 2
U+0226C							\between[a]	between
U+0226D							\nasymp	not asymptotically equal to
U+0226E							\nless[a]	not less-than
U+0226F							\ngtr[a]	not greater-than
U+02270							\nleq[a]	not less-than-or-equal
U+02271							\ngeq[a]	not greater-than-or-equal
U+02272							\lesssim[a]	less, similar
U+02273							\gtrsim[a]	greater, similar
U+02274							\nlesssim	not less, similar
U+02275							\ngtrsim	not greater, similar
U+02276							\lessgtr[a]	less, greater
U+02277							\gtrless[a]	greater, less

USV	L	S	E	P	A	N	Macro	Description
U+02278							`\nlessgtr`	not less, greater
U+02279							`\ngtrless`	not greater, less
U+0227A							`\prec`(p)	precedes
U+0227B							`\succ`(p)	succeeds
U+0227C							`\preccurlyeq`(a)	precedes, curly equals
U+0227D							`\succcurlyeq`(a)	succeeds, curly equals
U+0227E							`\precsim`(a)	precedes, similar
U+0227F							`\succsim`(a)	succeeds, similar
U+02280							`\nprec`(a)	not precedes
U+02281							`\nsucc`(a)	not succeeds
U+02282							`\subset`(p)	subset or is implied by
U+02283							`\supset`(p)	superset or implies
U+02284							`\nsubset`	not subset, variant [slash negation]
U+02285							`\nsupset`	not superset, variant [slash negation]
U+02286							`\subseteq`(p)	subset, equals
U+02287							`\supseteq`(p)	superset, equals
U+02288							`\nsubseteq`(a)	not subset, equals
U+02289							`\nsupseteq`(a)	not superset, equals
U+0228A							`\subsetneq`(a)	subset, not equals
U+0228B							`\supsetneq`(a)	superset, not equals
U+0228F							`\sqsubset`	square subset
U+02290							`\sqsupset`	square superset
U+02291							`\sqsubseteq`(p)	square subset, equals
U+02292							`\sqsupseteq`(p)	square superset, equals
U+022A2							`\vdash`(p)	vertical, dash
U+022A3							`\dashv`(p)	dash, vertical
U+022A6							`\assert`	assertion (vertical, short dash)
U+022A7							`\models`(p)	models (vertical, short double dash)
U+022A8							`\vDash`(a)	vertical, double dash
U+022A9							`\Vdash`(a)	double vertical, dash
U+022AA							`\Vvdash`(a)	triple vertical, dash
U+022AB							`\VDash`	double vert, double dash
U+022AC							`\nvdash`(a)	not vertical, dash

USV	L	S	E	P	A	N	Macro	Description
U+022AD							\nvDash[a]	not vertical, double dash
U+022AE							\nVdash[a]	not double vertical, dash
U+022AF							\nVDash[a]	not double vert, double dash
U+022B0							\prurel	element precedes under relation
U+022B1							\scurel	succeeds under relation
U+022B2							\vartriangleleft[a]	left triangle, open, variant
U+022B3							\vartriangleright[a]	right triangle, open, variant
U+022B4							\trianglelefteq[a]	left triangle, equals
U+022B5							\trianglerighteq[a]	right triangle, equals
U+022B6							\origof	original of
U+022B7							\imageof	image of
U+022B8							\multimap[a]	/multimap a:
U+022C8							\bowtie[p]	bowtie
U+022CD							\backsimeq[a]	reverse similar, equals
U+022D0							\Subset[a]	double subset
U+022D1							\Supset[a]	double superset
U+022D4							\pitchfork[a]	pitchfork
U+022D5							\equalparallel	parallel, equal; equal or parallel
U+022D6							\lessdot[a]	less than, with dot
U+022D7							\gtrdot[a]	greater than, with dot
U+022D8							\lll[a]	/ll /lll /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

USV	L	S	E	P	A	N	Macro	Description
U+022E6							`\lnsim`[a]	less, not similar
U+022E7							`\gnsim`[a]	greater, not similar
U+022E8							`\precnsim`[a]	precedes, not similar
U+022E9							`\succnsim`[a]	succeeds, not similar
U+022EA							`\nvartriangleleft`	not left triangle
U+022EB							`\nvartriangleright`	not right triangle
U+022EC							`\ntrianglelefteq`[a]	not left triangle, equals
U+022ED							`\ntrianglerighteq`[a]	not right triangle, equals
U+022EE							`\vdots`[p]	vertical ellipsis
U+022F0							`\adots`	three dots, ascending
U+022F1							`\ddots`[p]	three dots, descending
U+022F2							`\disin`	element of with long horizontal stroke
U+022F3							`\varisins`	element of with vertical bar at end of horizontal stroke
U+022F4							`\isins`	small element of with vertical bar at end of horizontal stroke
U+022F5							`\isindot`	element of with dot above
U+022F6							`\varisinobar`	element of with overbar
U+022F7							`\isinobar`	small element of with overbar
U+022F8							`\isinvb`	element of with underbar
U+022F9							`\isinE`	element of with two horizontal strokes
U+022FA							`\nisd`	contains with long horizontal stroke
U+022FB							`\varnis`	contains with vertical bar at end of horizontal stroke
U+022FC							`\nis`	small contains with vertical bar at end of horizontal stroke
U+022FD							`\varniobar`	contains with overbar
U+022FE							`\niobar`	small contains with overbar
U+022FF							`\bagmember`	z notation bag membership
U+02322							`\frown`[p]	down curve
U+02323							`\smile`[p]	up curve
U+0233F							`\APLnotslash`	solidus, bar through (apl functional symbol slash bar)
U+025B5							`\vartriangle`[a]	/triangle - up triangle, open
U+027C2							`\perp`[p]	perpendicular
U+027C8							`\bsolhsub`	reverse solidus preceding subset

USV	L	S	E	P	A	N	Macro	Description
U+027C9							\suphsol	superset preceding solidus
U+027D2							\upin	element of opening upwards
U+027D3							\pullback	lower right corner with dot
U+027D4							\pushout	upper left corner with dot
U+027DA							\DashVDash	left and right double turnstile
U+027DB							\dashVdash	left and right tack
U+027DC							\multimapinv	left multimap
U+027DD							\vlongdash	long left tack
U+027DE							\longdashv	long right tack
U+027DF							\cirbot	up tack with circle above
U+027F0							\UUparrow	upwards quadruple arrow
U+027F1							\DDownarrow	downwards quadruple arrow
U+027F2							\acwgapcirclearrow	anticlockwise gapped circle arrow
U+027F3							\cwgapcirclearrow	clockwise gapped circle arrow
U+027F4							\rightarrowonoplus	right arrow with circled plus
U+027F5							\longleftarrow(p)	long leftwards arrow
U+027F6							\longrightarrow(p)	long rightwards arrow
U+027F7							\longleftrightarrow(p)	long left right arrow
U+027F8							\Longleftarrow(p)	long leftwards double arrow
U+027F9							\Longrightarrow(p)	long rightwards double arrow
U+027FA							\Longleftrightarrow(p)	long left right double arrow
U+027FB							\longmapsfrom	long leftwards arrow from bar
U+027FC							\longmapsto(p)	long rightwards arrow from bar
U+027FD							\Longmapsfrom	long leftwards double arrow from bar
U+027FE							\Longmapsto	long rightwards double arrow from bar
U+027FF							\longrightsquigarrow	long rightwards squiggle arrow
U+02900							\nvtwoheadrightarrow	rightwards two-headed arrow with vertical stroke
U+02901							\nVtwoheadrightarrow	rightwards two-headed arrow with double vertical stroke
U+02902							\nvLeftarrow	leftwards double arrow with vertical stroke
U+02903							\nvRightarrow	rightwards double arrow with vertical stroke
U+02904							\nvLeftrightarrow	left right double arrow with vertical stroke

USV	L	S	E	P	A	N	Macro	Description
U+02905							\twoheadmapsto	rightwards two-headed arrow from bar
U+02906							\Mapsfrom	leftwards double arrow from bar
U+02907							\Mapsto	rightwards double arrow from bar
U+02908							\downarrowbarred	downwards arrow with horizontal stroke
U+02909							\uparrowbarred	upwards arrow with horizontal stroke
U+0290A							\Uuparrow	upwards triple arrow
U+0290B							\Ddownarrow	downwards triple arrow
U+0290C							\leftbkarrow	leftwards double dash arrow
U+0290D							\rightbkarrow	rightwards double dash arrow
U+0290E							\leftdbkarrow	leftwards triple dash arrow
U+0290F							\dbkarrow	rightwards triple dash arrow
U+02910							\drbkarrow	rightwards two-headed triple dash arrow
U+02911							\rightdotarrow	rightwards arrow with dotted stem
U+02912							\baruparrow	upwards arrow to bar
U+02913							\downarrowbar	downwards arrow to bar
U+02914							\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915							\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916							\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917							\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918							\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919							\lefttail	leftwards arrow-tail
U+0291A							\righttail	rightwards arrow-tail
U+0291B							\leftdbltail	leftwards double arrow-tail
U+0291C							\rightdbltail	rightwards double arrow-tail
U+0291D							\diamondleftarrow	leftwards arrow to black diamond
U+0291E							\rightarrowdiamond	rightwards arrow to black diamond
U+0291F							\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920							\barrightarrowdiamond	rightwards arrow from bar to black diamond

USV	L	S	E	P	A	N	Macro	Description
U+02921							\nwsearrow	north west and south east arrow
U+02922							\neswarrow	north east and south west arrow
U+02923							\hknwarrow	north west arrow with hook
U+02924							\hknearrow	north east arrow with hook
U+02925							\hksearrow	south east arrow with hook
U+02926							\hkswarrow	south west arrow with hook
U+02927							\tona	north west arrow and north east arrow
U+02928							\toea	north east arrow and south east arrow
U+02929							\tosa	south east arrow and south west arrow
U+0292A							\towa	south west arrow and north west arrow
U+02933							\rightcurvedarrow	wave arrow pointing directly right
U+02936							\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
U+02937							\rightdowncurvedarrow	arrow pointing downwards then curving rightwards
U+02938							\cwrightarcarrow	right-side arc clockwise arrow
U+02939							\acwleftarcarrow	left-side arc anticlockwise arrow
U+0293A							\acwoverarcarrow	top arc anticlockwise arrow
U+0293B							\acwunderarcarrow	bottom arc anticlockwise arrow
U+0293C							\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D							\curvearrowleftplus	top arc anticlockwise arrow with plus
U+0293E							\cwundercurvearrow	lower right semicircular clockwise arrow
U+0293F							\ccwundercurvearrow	lower left semicircular anticlockwise arrow
U+02940							\acwcirclearrow	anticlockwise closed circle arrow
U+02941							\cwcirclearrow	clockwise closed circle arrow
U+02942							\rightarrowshortleftarrow	rightwards arrow above short leftwards arrow
U+02943							\leftarrowshortrightarrow	leftwards arrow above short rightwards arrow
U+02944							\shortrightarrowleftarrow	short rightwards arrow above leftwards arrow
U+02945							\rightarrowplus	rightwards arrow with plus below
U+02946							\leftarrowplus	leftwards arrow with plus below

USV	L	S	E	P	A	N	Macro	Description
U+02947							\rightarrowx	rightwards arrow through x
U+02948							\leftrightarrowcircle	left right arrow through small circle
U+02949							\twoheaduparrowcircle	upwards two-headed arrow from small circle
U+0294A							\leftrightharpoonupdown	left barb up right barb down harpoon
U+0294B							\leftrightharpoondownup	left barb down right barb up harpoon
U+0294C							\updownharpoonrightleft	up barb right down barb left harpoon
U+0294D							\updownharpoonleftright	up barb left down barb right harpoon
U+0294E							\leftrightharpoonupup	left barb up right barb up harpoon
U+0294F							\updownharpoonrightright	up barb right down barb right harpoon
U+02950							\leftrightharpoondowndown	left barb down right barb down harpoon
U+02951							\updownharpoonleftleft	up barb left down barb left harpoon
U+02952							\barleftharpoonup	leftwards harpoon with barb up to bar
U+02953							\rightharpoonupbar	rightwards harpoon with barb up to bar
U+02954							\barupharpoonright	upwards harpoon with barb right to bar
U+02955							\downharpoonrightbar	downwards harpoon with barb right to bar
U+02956							\barleftharpoondown	leftwards harpoon with barb down to bar
U+02957							\rightharpoondownbar	rightwards harpoon with barb down to bar
U+02958							\barupharpoonleft	upwards harpoon with barb left to bar
U+02959							\downharpoonleftbar	downwards harpoon with barb left to bar
U+0295A							\leftharpoonupbar	leftwards harpoon with barb up from bar
U+0295B							\barrightharpoonup	rightwards harpoon with barb up from bar
U+0295C							\upharpoonrightbar	upwards harpoon with barb right from bar
U+0295D							\bardownharpoonright	downwards harpoon with barb right from bar
U+0295E							\leftharpoondownbar	leftwards harpoon with barb down from bar

USV	L	S	E	P	A	N	Macro	Description
U+0295F		⥟			⥟		\barrightharpoondown	rightwards harpoon with barb down from bar
U+02960		⥠			⥠		\upharpoonleftbar	upwards harpoon with barb left from bar
U+02961		⥡			⥡		\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		⥢			⥢		\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⥣			⥣		\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⥤			⥤		\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⥥			⥥		\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⥦			⥦		\leftrightharpoonsup	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⥧			⥧		\leftrightharpoonsdown	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⥨			⥨		\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⥩			⥩		\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⥪			⥪		\leftharpoonupdash	leftwards harpoon with barb up above long dash
U+0296B		⥫			⥫		\dashleftharpoondown	leftwards harpoon with barb down below long dash
U+0296C		⥬			⥬		\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0296D		⥭			⥭		\dashrightharpoondown	rightwards harpoon with barb down below long dash
U+0296E		⥮			⥮		\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⥯			⥯		\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⥰			⥰		\rightimply	right double arrow with rounded head
U+02971		⥱			⥱		\equalrightarrow	equals sign above rightwards arrow
U+02972		⥲			⥲		\similarrightarrow	tilde operator above rightwards arrow
U+02973		⥳			⥳		\leftarrowsimilar	leftwards arrow above tilde operator

USV	L	S	E	P	A	N	Macro	Description
U+02974		⥴			⥴		\rightarrowsimilar	rightwards arrow above tilde operator
U+02975		⥵			⥵		\rightarrowapprox	rightwards arrow above almost equal to
U+02976		⥶			⥶		\ltlarr	less-than above leftwards arrow
U+02977		⥷			⥷		\leftarrowless	leftwards arrow through less-than
U+02978		⥸			⥸		\gtrarr	greater-than above rightwards arrow
U+02979		⥹			⥹		\subrarr	subset above rightwards arrow
U+0297A		⥺			⥺		\leftarrowsubset	leftwards arrow through subset
U+0297B		⥻			⥻		\suplarr	superset above leftwards arrow
U+0297C		⥼			⥼		\leftfishtail	left fish tail
U+0297D		⥽			⥽		\rightfishtail	right fish tail
U+0297E		⥾			⥾		\upfishtail	up fish tail
U+0297F		⥿			⥿		\downfishtail	down fish tail
U+02982		⦂			⦂		\typecolon	z notation type colon
U+029CE		⧎			⧎		\rtriltri	right triangle above left triangle
U+029CF		⧏			⧏		\ltrivb	left triangle beside vertical bar
U+029D0		⧐			⧐		\vbrtri	vertical bar beside right triangle
U+029D1		⧑			⧑		\lfbowtie	left black bowtie
U+029D2		⧒			⧒		\rfbowtie	right black bowtie
U+029D3		⧓			⧓		\fbowtie	black bowtie
U+029D4		⧔			⧔		\lftimes	left black times
U+029D5		⧕			⧕		\rftimes	right black times
U+029DF		⧟			⧟		\dualmap	double-ended multimap
U+029E1		⧡			⧡		\lrtriangleeq	increases as
U+029E3		⧣			⧣		\eparsl	equals sign and slanted parallel
U+029E4		⧤			⧤		\smeparsl	equals sign and slanted parallel with tilde above
U+029E5		⧥			⧥		\eqvparsl	identical to and slanted parallel
U+029E6		⧦			⧦		\gleichstark	gleich stark
U+029F4		⧴			⧴		\ruledelayed	rule-delayed
U+02A59		⩙			⩙		\veeonwedge	logical or overlapping logical and
U+02A66		⩦			⩦		\eqdot	equals sign with dot below
U+02A67		⩧			⩧		\dotequiv	identical with dot above

USV	L	S	E	P	A	N	Macro	Description
U+02A68		⩨			⩨		\equivVert	triple horizontal bar with double vertical stroke
U+02A69		⩩			⩩		\equivVvert	triple horizontal bar with triple vertical stroke
U+02A6A		⩪			⩪		\dotsim	tilde operator with dot above
U+02A6B		⩫			⩫		\simrdots	tilde operator with rising dots
U+02A6C		⩬			⩬		\simminussim	similar minus similar
U+02A6D		⩭			⩭		\congdot	congruent with dot above
U+02A6E		⩮			⩮		\asteq	equals with asterisk
U+02A6F		⩯			⩯		\hatapprox	almost equal to with circumflex accent
U+02A70		⩰			⩰		\approxeqq	approximately equal or equal to
U+02A73		⩳			⩳		\eqqsim	equals sign above tilde operator
U+02A74		⩴			⩴		\Coloneq	double colon equal
U+02A75		⩵			⩵		\eqeq	two consecutive equals signs
U+02A76		⩶			⩶		\eqeqeq	three consecutive equals signs
U+02A77		⩷			⩷		\ddotseq	equals sign with two dots above and two dots below
U+02A78		⩸			⩸		\equivDD	equivalent with four dots above
U+02A79		⩹			⩹		\ltcir	less-than with circle inside
U+02A7A		⩺			⩺		\gtcir	greater-than with circle inside
U+02A7B		⩻			⩻		\ltquest	less-than with question mark above
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

USV	L	S	E	P	A	N	Macro	Description
U+02A87							`\lneq`[a]	less-than and single-line not equal to
U+02A88							`\gneq`[a]	greater-than and single-line not equal to
U+02A89							`\lnapprox`[a]	less-than and not approximate
U+02A8A							`\gnapprox`[a]	greater-than and not approximate
U+02A8B							`\lesseqqgtr`[a]	less-than above double-line equal above greater-than
U+02A8C							`\gtreqqless`[a]	greater-than above double-line equal above less-than
U+02A8D							`\lsime`	less-than above similar or equal
U+02A8E							`\gsime`	greater-than above similar or equal
U+02A8F							`\lsimg`	less-than above similar above greater-than
U+02A90							`\gsiml`	greater-than above similar above less-than
U+02A91							`\lgE`	less-than above greater-than above double-line equal
U+02A92							`\glE`	greater-than above less-than above double-line equal
U+02A93							`\lesges`	less-than above slanted equal above greater-than above slanted equal
U+02A94							`\gesles`	greater-than above slanted equal above less-than above slanted equal
U+02A95							`\eqslantless`[a]	slanted equal to or less-than
U+02A96							`\eqslantgtr`[a]	slanted equal to or greater-than
U+02A97							`\elsdot`	slanted equal to or less-than with dot inside
U+02A98							`\egsdot`	slanted equal to or greater-than with dot inside
U+02A99							`\eqqless`	double-line equal to or less-than
U+02A9A							`\eqqgtr`	double-line equal to or greater-than
U+02A9B							`\eqqslantless`	double-line slanted equal to or less-than
U+02A9C							`\eqqslantgtr`	double-line slanted equal to or greater-than
U+02A9D							`\simless`	similar or less-than
U+02A9E							`\simgtr`	similar or greater-than
U+02A9F							`\simlE`	similar above less-than above equals sign

USV	L	S	E	P	A	N	Macro	Description
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
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

USV	L	S	E	P	A	N	Macro	Description
U+02ABE		⪾			⪾		\supsetdot	superset with dot
U+02ABF		⪿			⪿		\subsetplus	subset with plus sign below
U+02AC0		⫀			⫀		\supsetplus	superset with plus sign below
U+02AC1		⫁			⫁		\submult	subset with multiplication sign below
U+02AC2		⫂			⫂		\supmult	superset with multiplication sign below
U+02AC3		⫃			⫃		\subedot	subset of or equal to with dot above
U+02AC4		⫄			⫄		\supedot	superset of or equal to with dot above
U+02AC5		⫅	⫅		⫅	⫅	\subseteqq[a]	subset of above equals sign
U+02AC6		⫆	⫆		⫆	⫆	\supseteqq[a]	superset of above equals sign
U+02AC7		⫇			⫇		\subsim	subset of above tilde operator
U+02AC8		⫈			⫈		\supsim	superset of above tilde operator
U+02AC9		⫉			⫉		\subsetapprox	subset of above almost equal to
U+02ACA		⫊			⫊		\supsetapprox	superset of above almost equal to
U+02ACB		⫋	⫋		⫋	⫋	\subsetneqq[a]	subset of above not equal to
U+02ACC		⫌	⫌		⫌	⫌	\supsetneqq[a]	superset of above not equal to
U+02ACD		⫍			⫍		\lsqhook	square left open box operator
U+02ACE		⫎			⫎		\rsqhook	square right open box operator
U+02ACF		⫏			⫏		\csub	closed subset
U+02AD0		⫐			⫐		\csup	closed superset
U+02AD1		⫑			⫑		\csube	closed subset or equal to
U+02AD2		⫒			⫒		\csupe	closed superset or equal to
U+02AD3		⫓			⫓		\subsup	subset above superset
U+02AD4		⫔			⫔		\supsub	superset above subset
U+02AD5		⫕			⫕		\subsub	subset above subset
U+02AD6		⫖			⫖		\supsup	superset above superset
U+02AD7		⫗			⫗		\suphsub	superset beside subset
U+02AD8		⫘			⫘		\supdsub	superset beside and joined by dash with subset
U+02AD9		⫙			⫙		\forkv	element of opening downwards
U+02ADA		⫚			⫚		\topfork	pitchfork with tee top
U+02ADB		⫛			⫛		\mlcp	transversal intersection
U+02ADC		⫝̸			⫝̸		\forks	forking
U+02ADD		⫝			⫝		\forksnot	nonforking

USV	L	S	E	P	A	N	Macro	Description
U+02ADE							\shortlefttack	short left tack
U+02ADF							\shortdowntack	short down tack
U+02AE0							\shortuptack	short up tack
U+02AE2							\vDdash	vertical bar triple right turnstile
U+02AE3							\dashV	double vertical bar left turnstile
U+02AE4							\Dashv	vertical bar double left turnstile
U+02AE5							\DashV	double vertical bar double left turnstile
U+02AE6							\varVdash	long dash from left member of double vertical
U+02AE7							\Barv	short down tack with overbar
U+02AE8							\vBar	short up tack with underbar
U+02AE9							\vBarv	short up tack above short down tack
U+02AEA							\barV	double down tack
U+02AEB							\Vbar	double up tack
U+02AEC							\Not	double stroke not sign
U+02AED							\bNot	reversed double stroke not sign
U+02AEE							\revnmid	does not divide with reversed negation slash
U+02AEF							\cirmid	vertical line with circle above
U+02AF0							\midcir	vertical line with circle below
U+02AF2							\nhpar	parallel with horizontal stroke
U+02AF3							\parsim	parallel with tilde operator
U+02AF7							\lllnest	stacked very much less-than
U+02AF8							\gggnest	stacked very much greater-than
U+02AF9							\leqqslant	double-line slanted less-than or equal to
U+02AFA							\geqqslant	double-line slanted greater-than or equal to
U+02B30							\circleonleftarrow	left arrow with small circle
U+02B31							\leftthreearrows	three leftwards arrows
U+02B32							\leftarrowonoplus	left arrow with circled plus
U+02B33							\longleftsquigarrow	long leftwards squiggle arrow
U+02B34							\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke
U+02B35							\nVtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
U+02B36							\twoheadmapsfrom	leftwards two-headed arrow from bar

USV	L	S	E	P	A	N	Macro	Description
U+02B37							\twoheadleftdbkarrow	leftwards two-headed triple-dash arrow
U+02B38							\leftdotarrow	leftwards arrow with dotted stem
U+02B39							\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A							\nVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B							\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C							\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D							\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E							\leftarrowx	leftwards arrow through x
U+02B3F							\leftcurvedarrow	wave arrow pointing directly left
U+02B40							\equalleftarrow	equals sign above leftwards arrow
U+02B41							\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42							\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43							\rightarrowgtr	rightwards arrow through greater-than
U+02B44							\rightarrowsupset	rightwards arrow through subset
U+02B45							\LLeftarrow	leftwards quadruple arrow
U+02B46							\RRightarrow	rightwards quadruple arrow
U+02B47							\bsimilarrightarrow	reverse tilde operator above rightwards arrow
U+02B48							\rightarrowbackapprox	rightwards arrow above reverse almost equal to
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	L	S	E	P	A	N	Macro	Description
U+00391	Α	Α	Α	Α	Α	Α	\mupAlpha	capital alpha, greek
U+00392	Β	Β	Β	Β	Β	Β	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
U+00394	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	Ε	Ε	Ε	Ε	Ε	Ε	\mupEpsilon	capital epsilon, greek
U+00396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mupZeta	capital zeta, greek
U+00397	Η	Η	Η	Η	Η	Η	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	Ι	Ι	Ι	Ι	Ι	Ι	\mupIota	capital iota, greek
U+0039A	Κ	Κ	Κ	Κ	Κ	Κ	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	Μ	Μ	Μ	Μ	Μ	Μ	\mupMu	capital mu, greek
U+0039D	Ν	Ν	Ν	Ν	Ν	Ν	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	Ο	Ο	Ο	Ο	Ο	Ο	\mupOmicron	capital omicron, greek
U+003A0	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	Τ	Τ	Τ	Τ	Τ	Τ	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

15.1.2 Upright Greek, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+003B1	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	\mupbeta	small beta, greek

USV	L	S	E	P	A	N	Macro	Description
U+003B3	γ	γ	γ	γ	γ	γ	`\mupgamma`	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	`\mupdelta`	small delta, greek
U+003B5	ε	ε	ε	ε	ε	ε	`\mupvarepsilon`	rounded small varepsilon, greek
U+003B6	ζ	ζ	ζ	ζ	ζ	ζ	`\mupzeta`	small zeta, greek
U+003B7	η	η	η	η	η	η	`\mupeta`	small eta, greek
U+003B8	θ	θ	θ	θ	θ	θ	`\muptheta`	straight theta, small theta, greek
U+003B9	ι	ι	ι	ι	ι	ι	`\mupiota`	small iota, greek
U+003BA	κ	κ	κ	κ	κ	κ	`\mupkappa`	small kappa, greek
U+003BB	λ	λ	λ	λ	λ	λ	`\muplambda`	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	`\mupmu`	small mu, greek
U+003BD	ν	ν	ν	ν	ν	ν	`\mupnu`	small nu, greek
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	`\mupxi`	small xi, greek
U+003BF	o	o	o	o	o	o	`\mupomicron`	small omicron, greek
U+003C0	π	π	π	π	π	π	`\muppi`	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	`\muprho`	small rho, greek
U+003C2	ς	ς	ς	ς	ς		`\mupvarsigma`	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	`\mupsigma`	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	`\muptau`	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	`\mupupsilon`	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	`\mupvarphi`	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	`\mupchi`	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	`\muppsi`	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	`\mupomega`	small omega, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	`\mupvartheta`	/vartheta - curly or open theta
U+003D5	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	`\mupphi`	/straightphi - small phi, greek
U+003D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	`\mupvarpi`	rounded small pi (pomega), greek
U+003DC		F			F		`\upDigamma`	capital digamma
U+003DD		$\digamma$	$\digamma$		F		`\updigamma`	old greek small letter digamma
U+003F0	$\varkappa$	$\varkappa$	κ	$\varkappa$	$\varkappa$	$\varkappa$	`\mupvarkappa`	rounded small kappa, greek
U+003F1	ϱ	ϱ	ϱ	ϱ	ϱ		`\mupvarrho`	rounded small rho, greek
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ	`\mupvarTheta`	greek capital theta symbol
U+003F5	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	`\mupepsilon`	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

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

15.1.4 Italic, Latin, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D44E	a	a	a	a	a	a	\mita	mathematical italic small a
U+1D44F	b	b	b	b	b	b	\mitb	mathematical italic small b

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

15.1.5 Italic Greek, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D6E2	Α	Α	Α	Α	Α	Α	\mitAlpha	mathematical italic capital alpha
U+1D6E3	Β	Β	Β	Β	Β	Β	\mitBeta	mathematical italic capital beta
U+1D6E4	Γ	Γ	Γ	Γ	Γ	Γ	\mitGamma	mathematical italic capital gamma
U+1D6E5	Δ	Δ	Δ	Δ	Δ	Δ	\mitDelta	mathematical italic capital delta
U+1D6E6	Ε	Ε	Ε	Ε	Ε	Ε	\mitEpsilon	mathematical italic capital epsilon
U+1D6E7	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mitZeta	mathematical italic capital zeta

USV	L	S	E	P	A	N	Macro	Description
U+1D6E8	Η	Η	Η	Η	Η	Η	\mitEta	mathematical italic capital eta
U+1D6E9	Θ	Θ	Θ	Θ	Θ	Θ	\mitTheta	mathematical italic capital theta
U+1D6EA	Ι	Ι	Ι	Ι	Ι	Ι	\mitIota	mathematical italic capital iota
U+1D6EB	Κ	Κ	Κ	Κ	Κ	Κ	\mitKappa	mathematical italic capital kappa
U+1D6EC	Λ	Λ	Λ	Λ	Λ	Λ	\mitLambda	mathematical italic capital lambda
U+1D6ED	Μ	Μ	Μ	Μ	Μ	Μ	\mitMu	mathematical italic capital mu
U+1D6EE	Ν	Ν	Ν	Ν	Ν	Ν	\mitNu	mathematical italic capital nu
U+1D6EF	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mitXi	mathematical italic capital xi
U+1D6F0	Ο	Ο	Ο	Ο	Ο	Ο	\mitOmicron	mathematical italic capital omicron
U+1D6F1	Π	Π	Π	Π	Π	Π	\mitPi	mathematical italic capital pi
U+1D6F2	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mitRho	mathematical italic capital rho
U+1D6F3	ϴ	ϴ	ϴ	ϴ	ϴ	ϴ	\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	Σ	Σ	Σ	Σ	Σ	Σ	\mitSigma	mathematical italic capital sigma
U+1D6F5	Τ	Τ	Τ	Τ	Τ	Τ	\mitTau	mathematical italic capital tau
U+1D6F6	Υ	Υ	Υ	Υ	Υ	Υ	\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	Φ	\mitPhi	mathematical italic capital phi
U+1D6F8	Χ	Χ	Χ	Χ	Χ	Χ	\mitChi	mathematical italic capital chi
U+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mitPsi	mathematical italic capital psi
U+1D6FA	Ω	Ω	Ω	Ω	Ω	Ω	\mitOmega	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D703	θ	θ	θ	θ	θ	θ	`\mittheta`	mathematical italic small theta
U+1D704	ι	ι	ι	ι	ι	ι	`\mitiota`	mathematical italic small iota
U+1D705	κ	κ	κ	κ	κ	κ	`\mitkappa`	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ	`\mitlambda`	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ	`\mitmu`	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν	`\mitnu`	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ	`\mitxi`	mathematical italic small xi
U+1D70A	ο	ο	ο	ο	ο	ο	`\mitomicron`	mathematical italic small omicron
U+1D70B	π	π	π	π	π	π	`\mitpi`	mathematical italic small pi
U+1D70C	ρ	ρ	ρ	ρ	ρ	ρ	`\mitrho`	mathematical italic small rho
U+1D70D	ς	ς	ς	ς	ς		`\mitvarsigma`	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ	`\mitsigma`	mathematical italic small sigma
U+1D70F	τ	τ	τ	τ	τ	τ	`\mittau`	mathematical italic small tau
U+1D710	υ	υ	υ	υ	υ	υ	`\mitupsilon`	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	φ	φ	`\mitvarphi`	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ	`\mitchi`	mathematical italic small chi
U+1D713	ψ	ψ	ψ	ψ	ψ	ψ	`\mitpsi`	mathematical italic small psi
U+1D714	ω	ω	ω	ω	ω	ω	`\mitomega`	mathematical italic small omega
U+1D715	∂	∂	∂	∂	∂	∂	`\mitpartial`	mathematical italic partial differential
U+1D716	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	`\mitepsilon`	mathematical italic varepsilon symbol
U+1D717	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	`\mitvartheta`	mathematical italic theta symbol
U+1D718	ϰ	ϰ	ϰ	ϰ	ϰ	ϰ	`\mitvarkappa`	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	`\mitphi`	mathematical italic phi symbol
U+1D71A	ϱ	ϱ	ϱ	ϱ	ϱ		`\mitvarrho`	mathematical italic rho symbol
U+1D71B	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	`\mitvarpi`	mathematical italic pi symbol

15.1.7 Script, Latin, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D49C	𝒜	𝒜	𝒜	𝒜	𝒜	𝒜	`\mscrA`	mathematical script capital a
U+1D49E	𝒞	𝒞	𝒞	𝒞	𝒞	𝒞	`\mscrC`	mathematical script capital c

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

15.1.8 Script, Latin, lowercase

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

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

15.1.9 Fraktur, Latin, uppercase

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

USV	L	S	E	P	A	N	Macro	Description

15.1.10 Fraktur, Latin, lowercase

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

15.1.11 Blackboard, Latin, uppercase

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

15.1.12 Blackboard, Latin, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D552	𝕒	𝕒	𝕒	𝕒	𝕒	𝕒	\Bbba	mathematical double-struck small a
U+1D553	𝕓	𝕓	𝕓	𝕓	𝕓	𝕓	\Bbbb	mathematical double-struck small b
U+1D554	𝕔	𝕔	𝕔	𝕔	𝕔	𝕔	\Bbbc	mathematical double-struck small c

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

15.1.13 Sans serif, Latin, uppercase

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

15.1.14 Sans serif, Latin, lowercase

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

15.1.15 Italic sans serif, Latin, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D608	*A*	*A*	*A*	*A*	*A*	*A*	\mitsansA	mathematical sans-serif italic capital a

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

15.1.16 Italic sans serif, Latin, lowercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D63A	𝘺	𝘺	𝘺	𝘺	𝘺	𝘺	\mitsansy	mathematical sans-serif italic small y
U+1D63B	𝘻	𝘻	𝘻	𝘻	𝘻	𝘻	\mitsansz	mathematical sans-serif italic small z

15.1.17 Typewriter, Latin, uppercase

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

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

15.1.18 Typewriter, Latin, lowercase

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

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

15.2 Bold

15.2.1 Bold, Latin, uppercase

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

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

15.2.2 Bold, Latin, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D41A	𝐚	𝒂	𝑎	𝗮	𝘢	𝙖	\mbfa	mathematical bold small a
U+1D41B	𝐛	𝒃	𝑏	𝗯	𝘣	𝙗	\mbfb	mathematical bold small b
U+1D41C	𝐜	𝒄	𝑐	𝗰	𝘤	𝙘	\mbfc	mathematical bold small c
U+1D41D	𝐝	𝒅	𝑑	𝗱	𝘥	𝙙	\mbfd	mathematical bold small d
U+1D41E	𝐞	𝒆	𝑒	𝗲	𝘦	𝙚	\mbfe	mathematical bold small e
U+1D41F	𝐟	𝒇	𝑓	𝗳	𝘧	𝙛	\mbff	mathematical bold small f
U+1D420	𝐠	𝒈	𝑔	𝗴	𝘨	𝙜	\mbfg	mathematical bold small g
U+1D421	𝐡	𝒉	ℎ	𝗵	𝘩	𝙝	\mbfh	mathematical bold small h
U+1D422	𝐢	𝒊	𝑖	𝗶	𝘪	𝙞	\mbfi	mathematical bold small i
U+1D423	𝐣	𝒋	𝑗	𝗷	𝘫	𝙟	\mbfj	mathematical bold small j
U+1D424	𝐤	𝒌	𝑘	𝗸	𝘬	𝙠	\mbfk	mathematical bold small k
U+1D425	𝐥	𝒍	𝑙	𝗹	𝘭	𝙡	\mbfl	mathematical bold small l
U+1D426	𝐦	𝒎	𝑚	𝗺	𝘮	𝙢	\mbfm	mathematical bold small m
U+1D427	𝐧	𝒏	𝑛	𝗻	𝘯	𝙣	\mbfn	mathematical bold small n
U+1D428	𝐨	𝒐	𝑜	𝗼	𝘰	𝙤	\mbfo	mathematical bold small o
U+1D429	𝐩	𝒑	𝑝	𝗽	𝘱	𝙥	\mbfp	mathematical bold small p
U+1D42A	𝐪	𝒒	𝑞	𝗾	𝘲	𝙦	\mbfq	mathematical bold small q

USV	L	S	E	P	A	N	Macro	Description
U+1D42B	𝐫	𝐫	𝐫	𝐫	𝐫	𝐫	\mbfr	mathematical bold small r
U+1D42C	𝐬	𝐬	𝐬	𝐬	𝐬	𝐬	\mbfs	mathematical bold small s
U+1D42D	𝐭	𝐭	𝐭	𝐭	𝐭	𝐭	\mbft	mathematical bold small t
U+1D42E	𝐮	𝐮	𝐮	𝐮	𝐮	𝐮	\mbfu	mathematical bold small u
U+1D42F	𝐯	𝐯	𝐯	𝐯	𝐯	𝐯	\mbfv	mathematical bold small v
U+1D430	𝐰	𝐰	𝐰	𝐰	𝐰	𝐰	\mbfw	mathematical bold small w
U+1D431	𝐱	𝐱	𝐱	𝐱	𝐱	𝐱	\mbfx	mathematical bold small x
U+1D432	𝐲	𝐲	𝐲	𝐲	𝐲	𝐲	\mbfy	mathematical bold small y
U+1D433	𝐳	𝐳	𝐳	𝐳	𝐳	𝐳	\mbfz	mathematical bold small z

15.2.3 Bold Greek, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D6A8	𝚨	𝚨	𝚨	𝚨	𝚨	𝚨	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	𝚩	𝚩	𝚩	𝚩	𝚩	𝚩	\mbfBeta	mathematical bold capital beta
U+1D6AA	𝚪	𝚪	𝚪	𝚪	𝚪	𝚪	\mbfGamma	mathematical bold capital gamma
U+1D6AB	𝚫	𝚫	𝚫	𝚫	𝚫	𝚫	\mbfDelta	mathematical bold capital delta
U+1D6AC	𝚬	𝚬	𝚬	𝚬	𝚬	𝚬	\mbfEpsilon	mathematical bold capital epsilon
U+1D6AD	𝚭	𝚭	𝚭	𝚭	𝚭	𝚭	\mbfZeta	mathematical bold capital zeta
U+1D6AE	𝚮	𝚮	𝚮	𝚮	𝚮	𝚮	\mbfEta	mathematical bold capital eta
U+1D6AF	𝚯	𝚯	𝚯	𝚯	𝚯	𝚯	\mbfTheta	mathematical bold capital theta
U+1D6B0	𝚰	𝚰	𝚰	𝚰	𝚰	𝚰	\mbfIota	mathematical bold capital iota
U+1D6B1	𝚱	𝚱	𝚱	𝚱	𝚱	𝚱	\mbfKappa	mathematical bold capital kappa
U+1D6B2	𝚲	𝚲	𝚲	𝚲	𝚲	𝚲	\mbfLambda	mathematical bold capital lambda
U+1D6B3	𝚳	𝚳	𝚳	𝚳	𝚳	𝚳	\mbfMu	mathematical bold capital mu
U+1D6B4	𝚴	𝚴	𝚴	𝚴	𝚴	𝚴	\mbfNu	mathematical bold capital nu
U+1D6B5	𝚵	𝚵	𝚵	𝚵	𝚵	𝚵	\mbfXi	mathematical bold capital xi
U+1D6B6	𝚶	𝚶	𝚶	𝚶	𝚶	𝚶	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	𝚷	𝚷	𝚷	𝚷	𝚷	𝚷	\mbfPi	mathematical bold capital pi
U+1D6B8	𝚸	𝚸	𝚸	𝚸	𝚸	𝚸	\mbfRho	mathematical bold capital rho
U+1D6B9	𝚹	𝚹	𝚹	𝚹	𝚹	𝚹	\mbfvarTheta	mathematical bold capital theta symbol

USV	L	S	E	P	A	N	Macro	Description
U+1D6BA	𝚺	𝚺	𝚺	𝚺	𝚺	𝚺	\mbfSigma	mathematical bold capital sigma
U+1D6BB	𝚻	𝚻	𝚻	𝚻	𝚻	𝚻	\mbfTau	mathematical bold capital tau
U+1D6BC	𝚼	𝚼	𝚼	𝚼	𝚼	𝚼	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	𝚽	𝚽	𝚽	𝚽	𝚽	𝚽	\mbfPhi	mathematical bold capital phi
U+1D6BE	𝚾	𝚾	𝚾	𝚾	𝚾	𝚾	\mbfChi	mathematical bold capital chi
U+1D6BF	𝚿	𝚿	𝚿	𝚿	𝚿	𝚿	\mbfPsi	mathematical bold capital psi
U+1D6C0	𝛀	𝛀	𝛀	𝛀	𝛀	𝛀	\mbfOmega	mathematical bold capital omega

15.2.4 Bold Greek, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D6C2	𝛂	𝛂	𝛂	𝛂	𝛂	𝛂	\mbfalpha	mathematical bold small alpha
U+1D6C3	𝛃	𝛃	𝛃	𝛃	𝛃	𝛃	\mbfbeta	mathematical bold small beta
U+1D6C4	𝛄	𝛄	𝛄	𝛄	𝛄	𝛄	\mbfgamma	mathematical bold small gamma
U+1D6C5	𝛅	𝛅	𝛅	𝛅	𝛅	𝛅	\mbfdelta	mathematical bold small delta
U+1D6C6	𝛆	𝛆	𝛆	𝛆	𝛆	𝛆	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	𝛇	𝛇	𝛇	𝛇	𝛇	𝛇	\mbfzeta	mathematical bold small zeta
U+1D6C8	𝛈	𝛈	𝛈	𝛈	𝛈	𝛈	\mbfeta	mathematical bold small eta
U+1D6C9	𝛉	𝛉	𝛉	𝛉	𝛉	𝛉	\mbftheta	mathematical bold small theta
U+1D6CA	𝛊	𝛊	𝛊	𝛊	𝛊	𝛊	\mbfiota	mathematical bold small iota
U+1D6CB	𝛋	𝛋	𝛋	𝛋	𝛋	𝛋	\mbfkappa	mathematical bold small kappa
U+1D6CC	𝛌	𝛌	𝛌	𝛌	𝛌	𝛌	\mbflambda	mathematical bold small lambda
U+1D6CD	𝛍	𝛍	𝛍	𝛍	𝛍	𝛍	\mbfmu	mathematical bold small mu
U+1D6CE	𝛎	𝛎	𝛎	𝛎	𝛎	𝛎	\mbfnu	mathematical bold small nu
U+1D6CF	𝛏	𝛏	𝛏	𝛏	𝛏	𝛏	\mbfxi	mathematical bold small xi
U+1D6D0	𝛐	𝛐	𝛐	𝛐	𝛐	𝛐	\mbfomicron	mathematical bold small omicron
U+1D6D1	𝛑	𝛑	𝛑	𝛑	𝛑	𝛑	\mbfpi	mathematical bold small pi
U+1D6D2	𝛒	𝛒	𝛒	𝛒	𝛒	𝛒	\mbfrho	mathematical bold small rho
U+1D6D3	𝛓	𝛓	𝛓	𝛓	𝛓		\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	𝛔	𝛔	𝛔	𝛔	𝛔	𝛔	\mbfsigma	mathematical bold small sigma
U+1D6D5	𝛕	𝛕	𝛕	𝛕	𝛕	𝛕	\mbftau	mathematical bold small tau

USV	L	S	E	P	A	N	Macro	Description
U+1D6D6	𝛖	𝛖	𝛖	𝛖	𝛖	𝛖	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	𝛗	𝛗	𝛗	𝛗	𝛗	𝛗	\mbfvarphi	mathematical bold small phi
U+1D6D8	𝛘	𝛘	𝛘	𝛘	𝛘	𝛘	\mbfchi	mathematical bold small chi
U+1D6D9	𝛙	𝛙	𝛙	𝛙	𝛙	𝛙	\mbfpsi	mathematical bold small psi
U+1D6DA	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	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	𝛝	𝛝	𝛝	𝛝	𝛝	𝛝	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	𝛞	𝛞	𝛞	𝛞	𝛞	𝛞	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	𝛟	𝛟	𝛟	𝛟	𝛟	𝛟	\mbfphi	mathematical bold phi symbol
U+1D6E0	𝛠	𝛠	𝛠	𝛠	𝛠		\mbfvarrho	mathematical bold rho symbol
U+1D6E1	𝛡	𝛡	𝛡	𝛡	𝛡	𝛡	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

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

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

15.2.6 Bold italic, Latin, lowercase

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

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

15.2.7 Bold italic Greek, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D71C	𝜜	𝜜	𝜜	𝜜	𝜜	𝜜	\mbfitAlpha	mathematical bold italic capital alpha
U+1D71D	𝜝	𝜝	𝜝	𝜝	𝜝	𝜝	\mbfitBeta	mathematical bold italic capital beta
U+1D71E	𝜞	𝜞	𝜞	𝜞	𝜞	𝜞	\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	𝜟	𝜟	𝜟	𝜟	𝜟	𝜟	\mbfitDelta	mathematical bold italic capital delta
U+1D720	𝜠	𝜠	𝜠	𝜠	𝜠	𝜠	\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D721	𝜡	𝜡	𝜡	𝜡	𝜡	𝜡	\mbfitZeta	mathematical bold italic capital zeta
U+1D722	𝜢	𝜢	𝜢	𝜢	𝜢	𝜢	\mbfitEta	mathematical bold italic capital eta
U+1D723	𝜣	𝜣	𝜣	𝜣	𝜣	𝜣	\mbfitTheta	mathematical bold italic capital theta
U+1D724	𝜤	𝜤	𝜤	𝜤	𝜤	𝜤	\mbfitIota	mathematical bold italic capital iota

USV	L	S	E	P	A	N	Macro	Description
U+1D725	𝑲	𝑲	𝑲	𝑲	𝑲	𝑲	\mbfitKappa	mathematical bold italic capital kappa
U+1D726	𝑳	𝑳	𝑳	𝑳	𝑳	𝑳	\mbfitLambda	mathematical bold italic capital lambda
U+1D727	𝑴	𝑴	𝑴	𝑴	𝑴	𝑴	\mbfitMu	mathematical bold italic capital mu
U+1D728	𝑵	𝑵	𝑵	𝑵	𝑵	𝑵	\mbfitNu	mathematical bold italic capital nu
U+1D729	𝑶	𝑶	𝑶	𝑶	𝑶	𝑶	\mbfitXi	mathematical bold italic capital xi
U+1D72A	𝑷	𝑷	𝑷	𝑷	𝑷	𝑷	\mbfitOmicron	mathematical bold italic capital omicron
U+1D72B	𝑸	𝑸	𝑸	𝑸	𝑸	𝑸	\mbfitPi	mathematical bold italic capital pi
U+1D72C	𝑹	𝑹	𝑹	𝑹	𝑹	𝑹	\mbfitRho	mathematical bold italic capital rho
U+1D72D	𝑺	𝑺	𝑺	𝑺	𝑺	𝑺	\mbfitvarTheta	mathematical bold italic capital theta symbol
U+1D72E	𝑻	𝑻	𝑻	𝑻	𝑻	𝑻	\mbfitSigma	mathematical bold italic capital sigma
U+1D72F	𝑼	𝑼	𝑼	𝑼	𝑼	𝑼	\mbfitTau	mathematical bold italic capital tau
U+1D730	𝑽	𝑽	𝑽	𝑽	𝑽	𝑽	\mbfitUpsilon	mathematical bold italic capital upsilon
U+1D731	𝑾	𝑾	𝑾	𝑾	𝑾	𝑾	\mbfitPhi	mathematical bold italic capital phi
U+1D732	𝑿	𝑿	𝑿	𝑿	𝑿	𝑿	\mbfitChi	mathematical bold italic capital chi
U+1D733	𝒀	𝒀	𝒀	𝒀	𝒀	𝒀	\mbfitPsi	mathematical bold italic capital psi
U+1D734	𝒁	𝒁	𝒁	𝒁	𝒁	𝒁	\mbfitOmega	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D736	𝒂	𝒂	𝒂	𝒂	𝒂	𝒂	\mbfitalpha	mathematical bold italic small alpha
U+1D737	𝒃	𝒃	𝒃	𝒃	𝒃	𝒃	\mbfitbeta	mathematical bold italic small beta
U+1D738	𝒄	𝒄	𝒄	𝒄	𝒄	𝒄	\mbfitgamma	mathematical bold italic small gamma
U+1D739	𝒅	𝒅	𝒅	𝒅	𝒅	𝒅	\mbfitdelta	mathematical bold italic small delta
U+1D73A	𝒆	𝒆	𝒆	𝒆	𝒆	𝒆	\mbfitvarepsilon	mathematical bold italic small varepsilon
U+1D73B	𝒇	𝒇	𝒇	𝒇	𝒇	𝒇	\mbfitzeta	mathematical bold italic small zeta

USV	L	S	E	P	A	N	Macro	Description
U+1D73C	𝜼	𝜼	𝜼	𝜼	𝜼	𝜼	\mbfiteta	mathematical bold italic small eta
U+1D73D	𝜽	𝜽	𝜽	𝜽	𝜽	𝜽	\mbfittheta	mathematical bold italic small theta
U+1D73E	𝜾	𝜾	𝜾	𝜾	𝜾	𝜾	\mbfitiota	mathematical bold italic small iota
U+1D73F	𝜿	𝜿	𝜿	𝜿	𝜿	𝜿	\mbfitkappa	mathematical bold italic small kappa
U+1D740	𝝀	𝝀	𝝀	𝝀	𝝀	𝝀	\mbfitlambda	mathematical bold italic small lambda
U+1D741	𝝁	𝝁	𝝁	𝝁	𝝁	𝝁	\mbfitmu	mathematical bold italic small mu
U+1D742	𝝂	𝝂	𝝂	𝝂	𝝂	𝝂	\mbfitnu	mathematical bold italic small nu
U+1D743	𝝃	𝝃	𝝃	𝝃	𝝃	𝝃	\mbfitxi	mathematical bold italic small xi
U+1D744	𝝄	𝝄	𝝄	𝝄	𝝄	𝝄	\mbfitomicron	mathematical bold italic small omicron
U+1D745	𝝅	𝝅	𝝅	𝝅	𝝅	𝝅	\mbfitpi	mathematical bold italic small pi
U+1D746	𝝆	𝝆	𝝆	𝝆	𝝆	𝝆	\mbfitrho	mathematical bold italic small rho
U+1D747	𝝇	𝝇	𝝇	𝝇	𝝇		\mbfitvarsigma	mathematical bold italic small final sigma
U+1D748	𝝈	𝝈	𝝈	𝝈	𝝈	𝝈	\mbfitsigma	mathematical bold italic small sigma
U+1D749	𝝉	𝝉	𝝉	𝝉	𝝉	𝝉	\mbfittau	mathematical bold italic small tau
U+1D74A	𝝊	𝝊	𝝊	𝝊	𝝊	𝝊	\mbfitupsilon	mathematical bold italic small upsilon
U+1D74B	𝝋	𝝋	𝝋	𝝋	𝝋	𝝋	\mbfitvarphi	mathematical bold italic small phi
U+1D74C	𝝌	𝝌	𝝌	𝝌	𝝌	𝝌	\mbfitchi	mathematical bold italic small chi
U+1D74D	𝝍	𝝍	𝝍	𝝍	𝝍	𝝍	\mbfitpsi	mathematical bold italic small psi
U+1D74E	𝝎	𝝎	𝝎	𝝎	𝝎	𝝎	\mbfitomega	mathematical bold italic small omega
U+1D74F	𝝏	𝝏	𝝏	𝝏	𝝏	𝝏	\mbfitpartial	mathematical bold italic partial differential
U+1D750	𝝐	𝝐	𝝐	𝝐	𝝐	𝝐	\mbfitepsilon	mathematical bold italic varepsilon symbol
U+1D751	𝝑	𝝑	𝝑	𝝑	𝝑	𝝑	\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	𝝒	𝝒	𝝒	𝝒	𝝒	𝝒	\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	𝝓	𝝓	𝝓	𝝓	𝝓	𝝓	\mbfitphi	mathematical bold italic phi symbol
U+1D754	𝝔	𝝔	𝝔	𝝔	𝝔		\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	𝝕	𝝕	𝝕	𝝕	𝝕	𝝕	\mbfitvarpi	mathematical bold italic pi symbol

USV	L	S	E	P	A	N	Macro	Description

15.2.9 Bold script, Latin, uppercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D4E6	𝒲	𝓌	𝒲	𝓌	𝒲	𝒲	\mbfscrW	mathematical bold script capital w
U+1D4E7	𝒳	𝓍	𝒳	𝓍	𝒳	𝒳	\mbfscrX	mathematical bold script capital x
U+1D4E8	𝒴	𝓎	𝒴	𝓎	𝒴	𝒴	\mbfscrY	mathematical bold script capital y
U+1D4E9	𝒵	𝓏	𝒵	𝓏	𝒵	𝒵	\mbfscrZ	mathematical bold script capital z

15.2.10 Bold script, Latin, lowercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D4FD		𝓽		𝑡	𝒕		\mbfscrt	mathematical bold script small t
U+1D4FE		𝓾		𝑢	𝒖		\mbfscru	mathematical bold script small u
U+1D4FF		𝓿		𝑣	𝒗		\mbfscrv	mathematical bold script small v
U+1D500		𝔀		𝑤	𝒘		\mbfscrw	mathematical bold script small w
U+1D501		𝔁		𝑥	𝒙		\mbfscrx	mathematical bold script small x
U+1D502		𝔂		𝑦	𝒚		\mbfscry	mathematical bold script small y
U+1D503		𝔃		𝑧	𝒛		\mbfscrz	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

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

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

15.2.12 Bold fraktur, Latin, lowercase

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

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

15.2.13 Bold sans serif, Latin, uppercase

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

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

15.2.14 Bold sans serif, Latin, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D5EE	a	a	a	a	a	a	\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b	b	\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	c	c	c	c	c	c	\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d	d	\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	e	e	e	e	e	\mbfsanse	mathematical sans-serif bold small e

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

15.2.15 Bold italic sans serif, Latin, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D63C	*A*	*A*	*A*	*A*	*A*	*A*	\mbfitsansA	mathematical sans-serif bold italic capital a

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

15.2.16 Bold italic sans serif, Latin, lowercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D66E	$\mathbf{\mathit{y}}$	$\mathbf{\mathit{y}}$	$\mathbf{\mathit{y}}$	$\mathbf{\mathit{y}}$	$\mathbf{\mathit{y}}$	$\mathbf{\mathit{y}}$	`\mbfitsansy`	mathematical sans-serif bold italic small y
U+1D66F	$\mathbf{\mathit{z}}$	$\mathbf{\mathit{z}}$	$\mathbf{\mathit{z}}$	$\mathbf{\mathit{z}}$	$\mathbf{\mathit{z}}$	$\mathbf{\mathit{z}}$	`\mbfitsansz`	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

USV	L	S	E	P	A	N	Macro	Description
U+1D756	$\mathbf{A}$	$\mathbf{A}$	$\mathbf{A}$	$\mathbf{A}$	$\mathbf{A}$	$\mathbf{A}$	`\mbfsansAlpha`	mathematical sans-serif bold capital alpha
U+1D757	$\mathbf{B}$	$\mathbf{B}$	$\mathbf{B}$	$\mathbf{B}$	$\mathbf{B}$	$\mathbf{B}$	`\mbfsansBeta`	mathematical sans-serif bold capital beta
U+1D758	$\mathbf{\Gamma}$	$\mathbf{\Gamma}$	$\mathbf{\Gamma}$	$\mathbf{\Gamma}$	$\mathbf{\Gamma}$	$\mathbf{\Gamma}$	`\mbfsansGamma`	mathematical sans-serif bold capital gamma
U+1D759	$\mathbf{\Delta}$	$\mathbf{\Delta}$	$\mathbf{\Delta}$	$\mathbf{\Delta}$	$\mathbf{\Delta}$	$\mathbf{\Delta}$	`\mbfsansDelta`	mathematical sans-serif bold capital delta
U+1D75A	$\mathbf{E}$	$\mathbf{E}$	$\mathbf{E}$	$\mathbf{E}$	$\mathbf{E}$	$\mathbf{E}$	`\mbfsansEpsilon`	mathematical sans-serif bold capital epsilon
U+1D75B	$\mathbf{Z}$	$\mathbf{Z}$	$\mathbf{Z}$	$\mathbf{Z}$	$\mathbf{Z}$	$\mathbf{Z}$	`\mbfsansZeta`	mathematical sans-serif bold capital zeta
U+1D75C	$\mathbf{H}$	$\mathbf{H}$	$\mathbf{H}$	$\mathbf{H}$	$\mathbf{H}$	$\mathbf{H}$	`\mbfsansEta`	mathematical sans-serif bold capital eta
U+1D75D	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	`\mbfsansTheta`	mathematical sans-serif bold capital theta
U+1D75E	$\mathbf{I}$	$\mathbf{I}$	$\mathbf{I}$	$\mathbf{I}$	$\mathbf{I}$	$\mathbf{I}$	`\mbfsansIota`	mathematical sans-serif bold capital iota
U+1D75F	$\mathbf{K}$	$\mathbf{K}$	$\mathbf{K}$	$\mathbf{K}$	$\mathbf{K}$	$\mathbf{K}$	`\mbfsansKappa`	mathematical sans-serif bold capital kappa
U+1D760	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	`\mbfsansLambda`	mathematical sans-serif bold capital lambda
U+1D761	$\mathbf{M}$	$\mathbf{M}$	$\mathbf{M}$	$\mathbf{M}$	$\mathbf{M}$	$\mathbf{M}$	`\mbfsansMu`	mathematical sans-serif bold capital mu
U+1D762	$\mathbf{N}$	$\mathbf{N}$	$\mathbf{N}$	$\mathbf{N}$	$\mathbf{N}$	$\mathbf{N}$	`\mbfsansNu`	mathematical sans-serif bold capital nu
U+1D763	$\mathbf{\Xi}$	$\mathbf{\Xi}$	$\mathbf{\Xi}$	$\mathbf{\Xi}$	$\mathbf{\Xi}$	$\mathbf{\Xi}$	`\mbfsansXi`	mathematical sans-serif bold capital xi
U+1D764	$\mathbf{O}$	$\mathbf{O}$	$\mathbf{O}$	$\mathbf{O}$	$\mathbf{O}$	$\mathbf{O}$	`\mbfsansOmicron`	mathematical sans-serif bold capital omicron
U+1D765	$\mathbf{\Pi}$	$\mathbf{\Pi}$	$\mathbf{\Pi}$	$\mathbf{\Pi}$	$\mathbf{\Pi}$	$\mathbf{\Pi}$	`\mbfsansPi`	mathematical sans-serif bold capital pi
U+1D766	$\mathbf{P}$	$\mathbf{P}$	$\mathbf{P}$	$\mathbf{P}$	$\mathbf{P}$	$\mathbf{P}$	`\mbfsansRho`	mathematical sans-serif bold capital rho
U+1D767	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$	`\mbfsansvarTheta`	mathematical sans-serif bold capital theta symbol
U+1D768	$\mathbf{\Sigma}$	$\mathbf{\Sigma}$	$\mathbf{\Sigma}$	$\mathbf{\Sigma}$	$\mathbf{\Sigma}$	$\mathbf{\Sigma}$	`\mbfsansSigma`	mathematical sans-serif bold capital sigma
U+1D769	$\mathbf{T}$	$\mathbf{T}$	$\mathbf{T}$	$\mathbf{T}$	$\mathbf{T}$	$\mathbf{T}$	`\mbfsansTau`	mathematical sans-serif bold capital tau

USV	L	S	E	P	A	N	Macro	Description
U+1D76A	ϒ	ϒ	ϒ	ϒ	ϒ	ϒ	`\mbfsansUpsilon`	mathematical sans-serif bold capital upsilon
U+1D76B	Φ	Φ	Φ	Φ	Φ	Φ	`\mbfsansPhi`	mathematical sans-serif bold capital phi
U+1D76C	Χ	Χ	Χ	Χ	Χ	Χ	`\mbfsansChi`	mathematical sans-serif bold capital chi
U+1D76D	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	`\mbfsansPsi`	mathematical sans-serif bold capital psi
U+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	`\mbfsansOmega`	mathematical sans-serif bold capital omega

15.2.18 Bold sans serif Greek, lowercase

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

USV	L	S	E	P	A	N	Macro	Description
U+1D781	𝞁	𝞁	𝞁	𝞁	𝞁	𝞁	\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	𝞂	𝞂	𝞂	𝞂	𝞂	𝞂	\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	𝞃	𝞃	𝞃	𝞃	𝞃	𝞃	\mbfsanstau	mathematical sans-serif bold small tau
U+1D784	𝞄	𝞄	𝞄	𝞄	𝞄	𝞄	\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	𝞅	𝞅	𝞅	𝞅	𝞅	𝞅	\mbfsansvarphi	mathematical sans-serif bold small phi
U+1D786	𝞆	𝞆	𝞆	𝞆	𝞆	𝞆	\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	𝞇	𝞇	𝞇	𝞇	𝞇	𝞇	\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	𝞈	𝞈	𝞈	𝞈	𝞈	𝞈	\mbfsansomega	mathematical sans-serif bold small omega
U+1D789	𝞉	𝞉	𝞉	𝞉	𝞉	𝞉	\mbfsanspartial	mathematical sans-serif bold partial differential
U+1D78A	𝞊	𝞊	𝞊	𝞊	𝞊	𝞊	\mbfsansepsilon	mathematical sans-serif bold varepsilon symbol
U+1D78B	𝞋	𝞋	𝞋	𝞋	𝞋		\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	𝞌	𝞌	𝞌	𝞌	𝞌		\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	𝞍	𝞍	𝞍	𝞍	𝞍	𝞍	\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	𝞎	𝞎	𝞎	𝞎	𝞎		\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	𝞏	𝞏	𝞏	𝞏	𝞏		\mbfsansvarpi	mathematical sans-serif bold pi symbol

15.2.19 Bold italic sans serif Greek, uppercase

USV	L	S	E	P	A	N	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	Γ	\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	𝘿	𝘿	𝘿	𝘿	𝘿	Δ	\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	𝙀	𝙀	𝙀	𝙀	𝙀	E	\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	𝙕	𝙕	𝙕	𝙕	𝙕	Z	\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	𝙃	𝙃	𝙃	𝙃	𝙃	H	\mbfitsansEta	mathematical sans-serif bold italic capital eta

USV	L	S	E	P	A	N	Macro	Description
U+1D797	𝜭	𝜭	𝜭	𝜭	𝜭	Θ	\mbfitsansTheta	mathematical sans-serif bold italic capital theta
U+1D798	𝜮	𝜮	𝜮	𝜮	𝜮	Ι	\mbfitsansIota	mathematical sans-serif bold italic capital iota
U+1D799	𝜯	𝜯	𝜯	𝜯	𝜯	Κ	\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
U+1D79A	𝜰	𝜰	𝜰	𝜰	𝜰	Λ	\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
U+1D79B	𝜱	𝜱	𝜱	𝜱	𝜱	Μ	\mbfitsansMu	mathematical sans-serif bold italic capital mu
U+1D79C	𝜲	𝜲	𝜲	𝜲	𝜲	Ν	\mbfitsansNu	mathematical sans-serif bold italic capital nu
U+1D79D	𝜳	𝜳	𝜳	𝜳	𝜳	Ξ	\mbfitsansXi	mathematical sans-serif bold italic capital xi
U+1D79E	𝜴	𝜴	𝜴	𝜴	𝜴	Ο	\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
U+1D79F	𝜵	𝜵	𝜵	𝜵	𝜵	Π	\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	𝜶	𝜶	𝜶	𝜶	𝜶	Ρ	\mbfitsansRho	mathematical sans-serif bold italic capital rho
U+1D7A1	𝜷	𝜷	𝜷	𝜷	𝜷	ϴ	\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	𝜸	𝜸	𝜸	𝜸	𝜸	Σ	\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	𝜹	𝜹	𝜹	𝜹	𝜹	Τ	\mbfitsansTau	mathematical sans-serif bold italic capital tau
U+1D7A4	𝜺	𝜺	𝜺	𝜺	𝜺	Υ	\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	𝜻	𝜻	𝜻	𝜻	𝜻	Φ	\mbfitsansPhi	mathematical sans-serif bold italic capital phi
U+1D7A6	𝜼	𝜼	𝜼	𝜼	𝜼	Χ	\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	𝜽	𝜽	𝜽	𝜽	𝜽	Ψ	\mbfitsansPsi	mathematical sans-serif bold italic capital psi
U+1D7A8	𝜾	𝜾	𝜾	𝜾	𝜾	Ω	\mbfitsansOmega	mathematical sans-serif bold italic capital omega

15.2.20 Bold italic sans serif Greek, lowercase

USV	L	S	E	P	A	N	Macro	Description
U+1D7AA	𝜿	𝜿	𝜿	𝜿	𝜿	α	\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	𝝀	𝝀	𝝀	𝝀	𝝀	β	\mbfitsansbeta	mathematical sans-serif bold italic small beta
U+1D7AC	𝝁	𝝁	𝝁	𝝁	𝝁	γ	\mbfitsansgamma	mathematical sans-serif bold italic small gamma
U+1D7AD	𝝂	𝝂	𝝂	𝝂	𝝂	δ	\mbfitsansdelta	mathematical sans-serif bold italic small delta

USV	L	S	E	P	A	N	Macro	Description
U+1D7AE	𝜺	𝜀	𝜺	𝜀	𝜺	ε	\mbfitsansvarepsilon	mathematical sans-serif bold italic small varepsilon
U+1D7AF	𝜻	𝜁	𝜻	𝜁	𝜻	ζ	\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	𝜼	𝜂	𝜼	𝜂	𝜼	η	\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	𝜽	𝜃	𝜽	𝜃	𝜽	θ	\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	𝜾	𝜄	𝜾	𝜄	𝜾	ι	\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	𝜿	𝜅	𝜿	𝜅	𝜿	κ	\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	𝝀	𝜆	𝝀	𝜆	𝝀	λ	\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	𝝁	𝜇	𝝁	𝜇	𝝁	μ	\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	𝝂	𝜈	𝝂	𝜈	𝝂	ν	\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	𝝃	𝜉	𝝃	𝜉	𝝃	ξ	\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	𝝄	𝜊	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	𝜌	𝝆	𝜌	𝝆	ρ	\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	𝝇	𝜍	𝝇	𝜍	𝝇	ς	\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	𝝈	𝜎	𝝈	𝜎	𝝈	σ	\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	𝝉	𝜏	𝝉	𝜏	𝝉	τ	\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	𝝊	𝜐	𝝊	𝜐	𝝊	υ	\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	𝝋	𝜑	𝝋	𝜑	𝝋	φ	\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	𝝌	𝜒	𝝌	𝜒	𝝌	χ	\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	𝝍	𝜓	𝝍	𝜓	𝝍	ψ	\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	𝝎	𝜔	𝝎	𝜔	𝝎	ω	\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	𝝏	𝜕	𝝏	𝜕	𝝏	∂	\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	𝝐	𝜖	𝝐	𝜖	𝝐	ϵ	\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	𝝑	𝜗	𝝑	𝜗	𝝑		\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	𝝒	𝜘	𝝒	𝜘	𝝒		\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	𝝓	𝜙	𝝓	𝜙	𝝓	ϕ	\mbfitsansphi	mathematical sans-serif bold italic phi symbol

USV	L	S	E	P	A	N	Macro	Description
U+1D7C8	𝜚	𝜚	𝜚	𝜚	𝜚		`\mbfitsansvarrho`	mathematical sans-serif bold italic rho symbol
U+1D7C9	𝜛	𝜛	𝜛	𝜛	𝜛		`\mbfitsansvarpi`	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

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

USV	L	S	E	P	A	N	Macro	Description
U+02130	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	\mscrE	/scr e, script letter e
U+02131	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	\mscrF	/scr f, script letter f
U+02133	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	\mscrM	physics m-matrix (script capital m)
U+02134		ℴ	ℴ	ℴ	ℴ		\mscro	order of (script small o)
U+02135	א	א	א	א	א	א	\aleph(p)	aleph, hebrew
U+02136	ב	ב	ב	ב	ב	ב	\beth(a)	beth, hebrew
U+02137	ג	ג	ג	ג	ג	ג	\gimel(a)	gimel, hebrew
U+02138	ד	ד	ד	ד	ד	ד	\daleth(a)	daleth, hebrew
U+0213D	ℽ	ℽ	ℽ	ℽ	ℽ	ℽ	\Bbbgamma	double-struck small gamma
U+0213E	ℾ	ℾ	ℾ	ℾ	ℾ	ℾ	\BbbGamma	double-struck capital gamma
U+0213F	ℿ	ℿ	ℿ	ℿ	ℿ	ℿ	\BbbPi	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	\partial(p)	partial differential
U+02207	∇	∇	∇	∇	∇	∇	\nabla(p)	nabla, del, hamilton operator
U+1D6A4	𝚤	𝚤	𝚤	𝚤	𝚤	ɪ	\imath(p)	mathematical italic small dotless i
U+1D6A5	𝚥	𝚥	𝚥	𝚥		ȷ	\jmath(p)	mathematical italic small dotless j
U+1D6C1	𝛁	𝛁	𝛁	𝛁	𝛁	𝛁	\mbfnabla	mathematical bold nabla
U+1D6FB	∇	∇	∇	∇	∇	∇	\mitnabla	mathematical italic nabla
U+1D735	𝛻	𝛻	𝛻	𝛻	𝛻	𝛻	\mbfitnabla	mathematical bold italic nabla
U+1D76F	𝝯	𝝯	𝝯	𝝯	𝝯	𝝯	\mbfsansnabla	mathematical sans-serif bold nabla
U+1D7A9	𝞩	𝞩	𝞩	𝞩	𝞩	𝞩	\mbfitsansnabla	mathematical sans-serif bold italic nabla
U+1D7CA		Ϝ			Ϝ		\mbfDigamma	mathematical bold capital digamma
U+1D7CB		ϝ			ϝ		\mbfdigamma	mathematical bold small digamma