

Symbols defined by unicode-math

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Modified (df) to show Kpfonts 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)

LM **Latin Modern Math** (1612)

S **STIX Two Math** (2460)

E **Erewhon Math** (1644)

K **KpMath Regular** (1578)

T **TeX Gyre Termes Math** (1665)

G **Garamond Math** (1610)

Li **Libertinus Math** (1641)

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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¹Only 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	LM	S	E	K	T	G	Li	Macro	Description
U+00028	(((((((\lparen	left parenthesis
U+0005B	[[[[[[[\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace ^(p)	left curly bracket
U+0221A	√	√	√	√	√	√	√	\sqrt ^(p)	radical
U+0221B		√ ³					√ ³	\cuberoot	cube root
U+0221C		√ ⁴					√ ⁴	\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil ^(p)	left ceiling
U+0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor ^(p)	left floor
U+0231C	⌑	⌑	⌑	⌑	⌑	⌑	⌑	\ulcorner	upper left corner
U+0231E	⌒	⌒	⌒	⌒	⌒	⌒	⌒	\llcorner	lower left corner
U+023B0		⌿	⌿				⌿	\lmoustache ^(p)	upper left or lower right curly bracket section
U+02772		⌞						\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⌷		⌷				\lbag	left s-shaped bag delimiter
U+027CC		⌸						\longdivision	long division
U+027E6	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	\lBrack	mathematical left white square bracket
U+027E8	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\langle ^(p)	mathematical left angle bracket
U+027EA	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	⌈⌈	\lAngle	mathematical left double angle bracket
U+027EC		⌞					⌞	\lbrbrak	mathematical left white tortoise shell bracket
U+027EE	((((((\lgroup ^(p)	mathematical left flattened parenthesis
U+02983		⌈						\lBrace	left white curly bracket
U+02985		(\lParen	left white parenthesis
U+02987		⌈					⌈	\llparenthesis	z notation left image bracket
U+02989		⌈						\llangle	z notation left binding bracket

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0298B		⌊						<code>\lbrackubar</code>	left square bracket with underbar
U+0298D		⌊						<code>\lbrackultick</code>	left square bracket with tick in top corner
U+0298F		⌊						<code>\lbracklltick</code>	left square bracket with tick in bottom corner
U+02991		⌵						<code>\langedot</code>	left angle bracket with dot
U+02993		⌵						<code>\lparenless</code>	left arc less-than bracket
U+02995		⌶						<code>\Lparengtr</code>	double left arc greater-than bracket
U+02997		⌷						<code>\lblkbrbrak</code>	left black tortoise shell bracket
U+029D8		⌸						<code>\lvzigzag</code>	left wiggly fence
U+029DA		⌸						<code>\Lvzigzag</code>	left double wiggly fence
U+029FC		⌹					⌹	<code>\lcurvyangle</code>	left pointing curved angle bracket

2 Closing symbols, `\mathclose`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+00021	!	!	!	!	!	!	!	<code>\mathexclam</code>	exclamation mark
U+00029)))))))	<code>\rparen</code>	right parenthesis
U+0005D]]]]]]]	<code>\rbrack</code>	right square bracket
U+0007D	}	}	}	}	}	}	}	<code>\rbrace^(p)</code>	right curly bracket
U+02309	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\rceil^(p)</code>	right ceiling
U+0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\rfloor^(p)</code>	right floor
U+0231D	⌵	⌵	⌵	⌵	⌵	⌵	⌵	<code>\urcorner</code>	upper right corner
U+0231F	⌴	⌴	⌴	⌴	⌴	⌴	⌴	<code>\lrcorner</code>	lower right corner
U+023B1		⌋	⌸				⌋	<code>\rmoustache^(p)</code>	upper right or lower left curly bracket section
U+02773		⌋						<code>\rbrbrak</code>	light right tortoise shell bracket ornament
U+027C6		⌋		⌋				<code>\rbag</code>	right s-shaped bag delimiter
U+027E7	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\rBrack</code>	mathematical right white square bracket
U+027E9	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\rangle^(p)</code>	mathematical right angle bracket
U+027EB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\rAngle</code>	mathematical right double angle bracket
U+027ED		⌋					⌋	<code>\Rbrbrak</code>	mathematical right white tortoise shell bracket
U+027EF))))))	<code>\rgroup^(p)</code>	mathematical right flattened parenthesis
U+02984		⌋						<code>\rBrace</code>	right white curly bracket
U+02986		⌋						<code>\rParen</code>	right white parenthesis
U+02988		⌋					⌋	<code>\rrparenthesis</code>	z notation right image bracket
U+0298A		⌋						<code>\rrangle</code>	z notation right binding bracket
U+0298C		⌋						<code>\rbrackubar</code>	right square bracket with underbar
U+0298E		⌋						<code>\rbracklrtick</code>	right square bracket with tick in bottom corner
U+02990		⌋						<code>\rbrackurtick</code>	right square bracket with tick in top corner

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02992		›						\rangledot	right angle bracket with dot
U+02994		›						\rparengtr	right arc greater-than bracket
U+02996		›						\Rparenless	double right arc less-than bracket
U+02998		›						\rblkrbrak	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	LM	S	E	K	T	G	Li	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	LM	S	E	K	T	G	Li	Macro	Description
U+0002C	,	,	,	,	,	,	,	<code>\mathcomma</code>	comma
U+0003A	:	:	:	:	:	:	:	<code>\mathcolon</code>	colon
U+0003B	;	;	;	;	;	;	;	<code>\mathsemicolon</code>	semicolon p:

5 ‘Over’ symbols, `\mathover`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+023B4	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	<code>\overbracket</code>	top square bracket
U+023DC	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	$\overparen{x+y}$	<code>\overparen</code>	top parenthesis (mathematical use)
U+023DE	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	$\overbrace{x+y}$	<code>\overbrace^(p)</code>	top curly bracket (mathematical use)

6 ‘Under’ symbols, `\mathunder`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+023B5	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	<code>\underbracket</code>	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	<code>\underparen</code>	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbrace^(p)</code>	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	LM	S	E	K	T	G	Li	Macro	Description
U+00300	̀	́	̂	̃	̄	̅	̆	\grave ^(p)	grave accent
U+00301	́	̂	̃	̄	̅	̆	̇	\acute ^(p)	acute accent
U+00302	̂	̃	̄	̅	̆	̇	̈	\hat ^(p)	circumflex accent
U+00303	̃	̄	̅	̆	̇	̈	̉	\tilde ^(p)	tilde
U+00304	̄	̅	̆	̇	̈	̉	̊	\bar ^(p)	macron
U+00305	̄	̅	̆	̇	̈	̉	̊	\overbar	overbar embellishment
U+00306	̆	̇	̈	̉	̊	̋	̌	\breve ^(p)	breve
U+00307	̇	̈	̉	̊	̋	̌	̍	\dot ^(p)	dot above
U+00308	̈	̉	̊	̋	̌	̍	̎	\ddot ^(p)	dieresis
U+00309	̊	̋	̌		̍	̎	̏	\ovhook	combining hook above
U+0030A	̋	̌	̍	̎	̏	̐	̑	\ocirc	ring
U+0030C	̌	̍	̎	̏	̐	̑	̒	\check ^(p)	caron
U+00310		̍					̒	\candra	candrabindu (non-spacing)
U+00312		̎					̓	\oturnedcomma	combining turned comma above
U+00315		̎					̓	\ocommatopright	combining comma above right
U+0031A		̏					̔	\droang	left angle above (non-spacing)
U+020D0	̂	̃	̄	̅	̆	̇	̈	\leftharpoonaccent	combining left harpoon above
U+020D1	̂	̃	̄	̅	̆	̇	̈	\rightharpoonaccent	combining right harpoon above
U+020D2	⌞	⌟	⌠		⌢	⌣		\vertoverlay	combining long vertical line overlay
U+020D7	→	→	→	→	→	→	→	\vec ^(p)	combining right arrow above
U+020DB	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\dddots	combining three dots above
U+020DC	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\ddddots	combining four dots above

USV	LM	S	E	K	T	G	Li	Macro	Description
U+020E7		\overline{x}						<code>\annuity</code>	combining annuity symbol
U+020E9	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}		<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$		<code>\asteraccent</code>	combining asterisk above

8 Accents, `\mathaccent`

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+00300	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	<code>\grave{p}</code>	grave accent
U+00301	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	<code>\acute{p}</code>	acute accent
U+00302	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	<code>\hat{p}</code>	circumflex accent
U+00303	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	<code>\tilde{p}</code>	tilde
U+00304	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	<code>\bar{p}</code>	macron
U+00305	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	<code>\overbar</code>	overbar embellishment
U+00306	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	<code>\breve{p}</code>	breve
U+00307	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	<code>\dot{p}</code>	dot above
U+00308	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	<code>\ddot{p}</code>	dieresis
U+00309	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$		$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	<code>\ovhook</code>	combining hook above
U+0030A	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	<code>\ocirc</code>	ring
U+0030C	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	<code>\check{p}</code>	caron
U+00310		\textcircled{x}					\textcircled{x}	<code>\candra</code>	candrabindu (non-spacing)
U+00312		$\text{'}\text{}$					$\text{'}\text{}$	<code>\oturnedcomma</code>	combining turned comma above
U+00315		$\text{'}\text{}$					$\text{'}\text{}$	<code>\ocommatopright</code>	combining comma above right
U+0031A		$\text{'}\text{}$					$\text{'}\text{}$	<code>\droang</code>	left angle above (non-spacing)
U+020D0	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	<code>\leftharpoonaccent</code>	combining left harpoon above

USV	LM	S	E	K	T	G	Li	Macro	Description
U+020D1	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	<code>\rightharpoonaccent</code>	combining right harpoon above
U+020D2	\overline{x}	\overline{x}	\overline{x}		\overline{x}	\overline{x}		<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	<code>\vec{p}</code>	combining right arrow above
U+020DB	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	<code>\dddot</code>	combining three dots above
U+020DC	\dddot{x}	\dddot{x}	\dddot{x}	\dddot{x}	\dddot{x}	\dddot{x}	\dddot{x}	<code>\ddddot</code>	combining four dots above
U+020E7		\overline{x}						<code>\annuity</code>	combining annuity symbol
U+020E9	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}		<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$		<code>\asteraccent</code>	combining asterisk above

9 Bottom accents, `\mathbotaccent`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+020E8	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$		<code>\threeunderdot</code>	combining triple underdot

10 Bottom accents wide, `\mathbotaccentwide`















































































USV	LM	S	E	K	T	G	Li	Macro	Description
U+00330	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	<code>\wideutilde</code>	under tilde accent (multiple characters and non-spacing)
U+00332	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	<code>\mathunderbar</code>	combining low line
U+0034D	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	$\underleftrightharpoon{x+y}$	<code>\underleftrightharpoon</code>	underleftrightharpoon accent
U+020EC	$\underightharpoon{x+y}$	$\underightharpoon{x+y}$	$\underightharpoon{x+y}$	$\underightharpoon{x+y}$	$\underightharpoon{x+y}$	$\underightharpoon{x+y}$		<code>\underrightharpoon</code>	combining rightwards harpoon with barb downwards
U+020ED	$\underleftharpoon{x+y}$	$\underleftharpoon{x+y}$	$\underleftharpoon{x+y}$	$\underleftharpoon{x+y}$	$\underleftharpoon{x+y}$	$\underleftharpoon{x+y}$		<code>\underleftharpoon</code>	combining leftwards harpoon with barb downwards































































USV	LM	S	E	K	T	G	Li	Macro	Description
U+020EE	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	<code>\underleftarrow</code>	combining left arrow below
U+020EF	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	<code>\underrightarrow</code>	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	LM	S	E	K	T	G	Li	Macro	Description
U+02140	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1		<code>\Bbbsum</code>	double-struck n-ary summation
U+0220F	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	<code>\prod^{(p)}</code>	product operator
U+02210	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	<code>\coprod^{(p)}</code>	coproduct operator
U+02211	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	<code>\sum^{(p)}</code>	summation operator
U+0222B	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	<code>\int^{(p)}</code>	integral operator
U+0222C	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	<code>\iint</code>	double integral operator
U+0222D	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	<code>\iiint</code>	triple integral operator
U+0222E	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	<code>\oint^{(p)}</code>	contour integral operator
U+0222F	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	<code>\oiint</code>	double contour integral operator

usv	LM	S	E	K	T	G	Li	Macro	Description
U+02230								<code>\oiint</code>	triple contour integral operator
U+02231								<code>\intclockwise</code>	clockwise integral
U+02232								<code>\varointclockwise</code>	contour integral, clockwise
U+02233								<code>\ointctrackwise</code>	contour integral, anticlockwise
U+022C0								<code>\bigwedge^{(p)}</code>	logical and operator
U+022C1								<code>\bigvee^{(p)}</code>	logical or operator
U+022C2								<code>\bigcap^{(p)}</code>	intersection operator
U+022C3								<code>\bigcup^{(p)}</code>	union operator
U+027D5								<code>\leftouterjoin</code>	left outer join
U+027D6								<code>\rightouterjoin</code>	right outer join
U+027D7								<code>\fullouterjoin</code>	full outer join
U+027D8								<code>\bigbot</code>	large up tack
U+027D9								<code>\bigtop</code>	large down tack
U+029F8								<code>\xsol</code>	big solidus
U+029F9								<code>\xbsol</code>	big reverse solidus
U+02A00								<code>\bigodot^{(p)}</code>	n-ary circled dot operator

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A01								<code>\bigoplus^(p)</code>	n-ary circled plus operator
U+02A02								<code>\bigotimes^(p)</code>	n-ary circled times operator
U+02A03								<code>\bigcupdot</code>	n-ary union operator with dot
U+02A04								<code>\biguplus^(p)</code>	n-ary union operator with plus
U+02A05								<code>\bigsqcap</code>	n-ary square intersection operator
U+02A06								<code>\bigsqcup^(p)</code>	n-ary square union operator
U+02A07								<code>\conjquant</code>	two logical and operator
U+02A08								<code>\disjquant</code>	two logical or operator
U+02A09								<code>\bigtimes</code>	n-ary times operator
U+02A0A								<code>\modtwosum</code>	modulo two sum
U+02A0B								<code>\sumint</code>	summation with integral
U+02A0C								<code>\iiint</code>	quadruple integral operator
U+02A0D								<code>\intbar</code>	finite part integral
U+02A0E								<code>\intBar</code>	integral with double stroke

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A0F								<code>\fint</code>	integral average with slash
U+02A10								<code>\cirfnint</code>	circulation function
U+02A11								<code>\awint</code>	anticlockwise integration
U+02A12								<code>\rppolint</code>	line integration with rectangular path around pole
U+02A13								<code>\scpolint</code>	line integration with semicircular path around pole
U+02A14								<code>\npolint</code>	line integration not including the pole
U+02A15								<code>\pointint</code>	integral around a point operator
U+02A16								<code>\sqint</code>	quaternion integral operator
U+02A17								<code>\intlarhk</code>	integral with leftwards arrow with hook
U+02A18								<code>\intx</code>	integral with times sign
U+02A19								<code>\intcap</code>	integral with intersection
U+02A1A								<code>\intcup</code>	integral with union
U+02A1B								<code>\upint</code>	integral with overbar

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A1C								<code>\lowint</code>	integral with underbar
U+02A1D								<code>\Join</code>	join
U+02A1E								<code>\bigtriangleleftleft</code>	large left triangle operator
U+02A1F								<code>\zcmp</code>	z notation schema composition
U+02A20								<code>\zpipe</code>	z notation schema piping
U+02A21								<code>\zproject</code>	z notation schema projection
U+02AFC								<code>\biginterleave</code>	large triple vertical bar operator
U+02AFF								<code>\bigtalloblong</code>	n-ary white vertical bar
U+1EEF0								<code>\arabicmaj</code>	arabic mathematical operator meem with hah with tatweel
U+1EEF1								<code>\arabichad</code>	arabic mathematical operator hah with dal

12 Binary relations, `\mathbin`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0002B	+	+	+	+	+	+	+	<code>\mathplus</code>	plus sign b:
U+000B1	±	±	±	±	±	±	±	<code>\pm^(p)</code>	plus-or-minus sign
U+000B7	·	·	·	·	·	·	·	<code>\cdotp^(p)</code>	/centerdot b: middle dot
U+000D7	×	×	×	×	×	×	×	<code>\times^(p)</code>	multiply sign
U+000F7	÷	÷	÷	÷	÷	÷	÷	<code>\div^(p)</code>	divide sign
U+02020	†	†	†	†	†	†	†	<code>\dagger^(p)</code>	dagger relation
U+02021	‡	‡	‡	‡	‡	‡	‡	<code>\ddagger^(p)</code>	double dagger relation
U+02022	●	●	●	●	●	●	●	<code>\smbllkcircle</code>	/bullet b: round bullet, filled
U+02040		⋈		⋈				<code>\tieconcat</code>	character tie, z notation sequence concatenation
U+02044	/	/	/	/	/	/	/	<code>\fracslash</code>	fraction slash
U+0214B		⌘	⌘	⌘		⌘		<code>\upand</code>	turned ampersand
U+02212	−	−	−	−	−	−	−	<code>\minus</code>	minus sign
U+02213	∓	∓	∓	∓	∓	∓	∓	<code>\mp^(p)</code>	minus-or-plus sign
U+02214	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\dotplus^(a)</code>	plus sign, dot above
U+02215	/	/	/	/	/	/	/	<code>\divslash</code>	division slash
U+02216	\	\	\	\	\	\	\	<code>\smallsetminus^(a)</code>	small set minus (cf. reverse solidus)
U+02217	*	*	*	*	*	*	*	<code>\ast^(p)</code>	centered asterisk
U+02218	○	○	○	○	○	○	○	<code>\vysmwhtcircle</code>	composite function (small circle)
U+02219	●	●	●	●	●	●	●	<code>\vysmbllkcircle</code>	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	<code>\wedge^(p)</code>	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	<code>\vee^(p)</code>	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩	∩	<code>\cap^(p)</code>	intersection
U+0222A	∪	∪	∪	∪	∪	∪	∪	<code>\cup^(p)</code>	union or logical sum

usv	LM	S	E	K	T	G	Li	Macro	Description
U+02238								<code>\dotminus</code>	minus sign, dot above
U+0223E								<code>\invlazys</code>	most positive [inverted lazy s]
U+02240								<code>\wr^{(p)}</code>	wreath product
U+0228C								<code>\cupleftarrow</code>	multiset
U+0228D								<code>\cupdot</code>	union, with dot
U+0228E								<code>\uplus^{(p)}</code>	plus sign in union
U+02293								<code>\sqcap^{(p)}</code>	square intersection
U+02294								<code>\sqcup^{(p)}</code>	square union
U+02295								<code>\oplus^{(p)}</code>	plus sign in circle
U+02296								<code>\ominus^{(p)}</code>	minus sign in circle
U+02297								<code>\otimes^{(p)}</code>	multiply sign in circle
U+02298								<code>\oslash^{(p)}</code>	solidus in circle
U+02299								<code>\odot^{(p)}</code>	middle dot in circle
U+0229A								<code>\circledcirc^{(a)}</code>	small circle in circle
U+0229B								<code>\circledast^{(a)}</code>	asterisk in circle
U+0229C								<code>\circledequal</code>	equal in circle
U+0229D								<code>\circleddash^{(a)}</code>	hyphen in circle
U+0229E								<code>\boxplus^{(a)}</code>	plus sign in box
U+0229F								<code>\boxminus^{(a)}</code>	minus sign in box
U+022A0								<code>\boxtimes^{(a)}</code>	multiply sign in box
U+022A1								<code>\boxdot^{(a)}</code>	/dotsquare /boxdot b: small dot in box
U+022BA								<code>\intercal^{(a)}</code>	intercal
U+022BB								<code>\veebar^{(a)}</code>	logical or, bar below (large vee); exclusive disjunction
U+022BC								<code>\barwedge^{(a)}</code>	bar, wedge (large wedge)

USV	LM	S	E	K	T	G	Li	Macro	Description
U+022BD	▽	▽	▽	▽	▽	▽		<code>\barvee</code>	bar, vee (large vee)
U+022C4	◇	◇	◇	◇	◇	◇		<code>\smwhtdiamond</code>	white diamond
U+022C5	⋅	⋅	⋅	⋅	⋅	⋅		<code>\cdot</code> ^(p)	small middle dot
U+022C6	★	★	★	★	★	★	★	<code>\star</code> ^(p)	small star, filled, low
U+022C7	⋈	⋈	⋈	⋈	⋈	⋈		<code>\divideontimes</code> ^(a)	division on times
U+022C9	⋌	⋌	⋌	⋌	⋌	⋌	⋌	<code>\ltimes</code> ^(a)	times sign, left closed
U+022CA	⋍	⋍	⋍	⋍	⋍	⋍	⋍	<code>\rtimes</code> ^(a)	times sign, right closed
U+022CB	⋈	⋈	⋈	⋈	⋈	⋈		<code>\leftthreetimes</code> ^(a)	left semidirect product
U+022CC	⋈	⋈	⋈	⋈	⋈	⋈		<code>\rightthreetimes</code> ^(a)	right semidirect product
U+022CE	⋎	⋎	⋎	⋎	⋎	⋎	⋎	<code>\curlyvee</code> ^(a)	curly logical or
U+022CF	⋏	⋏	⋏	⋏	⋏	⋏	⋏	<code>\curlywedge</code> ^(a)	curly logical and
U+022D2	⋈	⋈	⋈	⋈	⋈	⋈		<code>\Cap</code> ^(a)	/cap /doublecap b: double intersection
U+022D3	⋈	⋈	⋈	⋈	⋈	⋈		<code>\Cup</code> ^(a)	/cup /doublecup b: double union
U+02305	⋎	⋎	⋎	⋎	⋎			<code>\varbarwedge</code>	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306	⋎	⋎	⋎	⋎	⋎			<code>\vardoublebarwedge</code>	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		⊖						<code>\obar</code>	circle with vertical bar
U+025B3	△	△	△	△	△	△	△	<code>\bigtriangleup</code> ^(p)	big up triangle, open
U+025B7	▷	▷	▷	▷	▷	▷	▷	<code>\triangleright</code> ^(p)	(large) right triangle, open; z notation range restriction
U+025C1	◁	◁	◁	◁	◁	◁	◁	<code>\triangleleft</code> ^(p)	(large) left triangle, open; z notation domain restriction
U+025CB	○	○	○	○	○	○	○	<code>\mdlgwhtcircle</code>	medium large circle
U+025EB		⏚		⏚				<code>\boxbar</code>	vertical bar in box
U+027C7		∨						<code>\veedot</code>	or with dot inside
U+027D1		∧						<code>\wedgedot</code>	and with dot

USV	LM	S	E	K	T	G	Li	Macro	Description
U+027E0								<code>\lozengeminus</code>	lozenge divided by horizontal rule
U+027E1								<code>\concavediamond</code>	white concave-sided diamond
U+027E2								<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3								<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick
U+027E4								<code>\whitesquaretickleft</code>	white square with leftwards tick
U+027E5								<code>\whitesquaretickright</code>	white square with rightwards tick
U+029B5								<code>\circlehbar</code>	circle with horizontal bar
U+029B6								<code>\circledvert</code>	circled vertical bar
U+029B7								<code>\circledparallel</code>	circled parallel
U+029B8								<code>\obslash</code>	circled reverse solidus
U+029B9								<code>\operp</code>	circled perpendicular
U+029C0								<code>\olessthan</code>	circled less-than
U+029C1								<code>\ogreaterthan</code>	circled greater-than
U+029C4								<code>\boxdiag</code>	squared rising diagonal slash
U+029C5								<code>\boxbslash</code>	squared falling diagonal slash
U+029C6								<code>\boxast</code>	squared asterisk
U+029C7								<code>\boxcircle</code>	squared small circle
U+029C8								<code>\boxbox</code>	squared square
U+029CD								<code>\trianglelerifs</code>	triangle with serifs at bottom
U+029D6								<code>\hourglass</code>	white hourglass
U+029D7								<code>\blackhourglass</code>	black hourglass
U+029E2								<code>\shuffle</code>	shuffle product
U+029EB								<code>\mdlgblklozenge</code>	black lozenge
U+029F5								<code>\setminus^(p)</code>	reverse solidus operator

USV	LM	S	E	K	T	G	Li	Macro	Description
U+029F6		7					7	\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		⦶ ₂						\plussubtwo	plus sign with subscript two
U+02A28		⦶						\plustrif	plus sign with black triangle
U+02A29		⦶						\commaminus	minus sign with comma above
U+02A2A		⦶						\minusdot	minus sign with dot below
U+02A2B		⦶						\minusfdots	minus sign with falling dots
U+02A2C		⦶						\minusrdots	minus sign with rising dots
U+02A2D		⦶						\oplushrim	plus sign in left half circle
U+02A2E		⦶						\oplusrhrim	plus sign in right half circle
U+02A2F	×	×	×	×	×	×	×	\vectimes	vector or cross product
U+02A30		×						\dottimes	multiplication sign with dot above
U+02A31		×						\timesbar	multiplication sign with underbar
U+02A32		×						\btimes	semidirect product with bottom closed
U+02A33		⌘						\smashtimes	smash product

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A34		⊗						\otimeslhrim	multiplication sign in left half circle
U+02A35		⊗						\otimesrhrim	multiplication sign in right half circle
U+02A36		⊗					⊗	\otimesshat	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		⊗						\triangleletimes	multiplication sign in triangle
U+02A3C		⌋						\intprod	interior product
U+02A3D		⌋						\intprodr	righthand interior product
U+02A3E		⋈					⋈	\fcmp	z notation relational composition
U+02A3F	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\amalg ^(p)	amalgamation or coproduct
U+02A40		⋈						\capdot	intersection with dot
U+02A41		⋈						\uminus	union with minus sign
U+02A42		⋈						\barcup	union with overbar
U+02A43		⋈						\barcap	intersection with overbar
U+02A44		⋈						\capwedge	intersection with logical and
U+02A45		⋈						\cupvee	union with logical or
U+02A46		⋈						\cupovercap	union above intersection
U+02A47		⋈						\capovercup	intersection above union
U+02A48		⋈						\cupbarcap	union above bar above intersection
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

USV	LM	S	E	K	T	G	Li	Macro	Description
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	logical 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		⋈						\dsup	z notation domain antirestriction

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A65		➤						<code>\rsub</code>	z notation range antirestriction
U+02A71		≡ ⁺						<code>\eqqplus</code>	equals sign above plus sign
U+02A72		± ⁺						<code>\pluseqq</code>	plus sign above equals sign
U+02AF4								<code>\interleave</code>	triple vertical bar binary relation
U+02AF5		≡						<code>\nhVvert</code>	triple vertical bar with horizontal stroke
U+02AF6		⋮						<code>\threedotcolon</code>	triple colon operator
U+02AFB		///						<code>\trslash</code>	triple solidus binary relation
U+02AFD		//						<code>\sslash</code>	double solidus operator
U+02AFE		⏏						<code>\talloblong</code>	white vertical bar

13 Ordinary symbols, `\mathord`

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

usv	LM	S	E	K	T	G	Li	Macro	Description
U+02034	'''	'''			'''	'''	'''	\trprime	triple prime (not superscripted)
U+02035	\'	\'	\'	\'	\'	\'	\'	\backprime ^(a)	reverse prime, not superscripted
U+02036	''	''			''	''	''	\backdprime	double reverse prime, not superscripted
U+02037	'''	'''			'''	'''	'''	\backtrprime	triple reverse prime, not superscripted
U+02038		^						\caretinsert	caret (insertion mark)
U+0203C		!!					!!	\Exclam	double exclamation mark
U+02043		▪						\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??					??	\Question	double question mark
U+02057	'''	'''			'''	'''	'''	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	◯	◯			◯	◯		\enclosecircle	combining enclosing circle
U+020DE	◻	◻			◻	◻		\enclosesquare	combining enclosing square
U+020DF	◊	◊			◊	◊		\enclosediamond	combining enclosing diamond
U+020E4	△	△			△	△		\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ		\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		ƒ	ƒ	ƒ				\Finv ^(a)	turned capital f
U+0213C	⸰	⸰	⸰		⸰	⸰		\Bbbpi	double-struck small pi
U+02141		ɢ	ɢ	ɢ				\Game ^(a)	turned sans-serif capital g
U+02142		ɀ						\sansLturned	turned sans-serif capital l
U+02143		Ɂ						\sansLmirrored	reversed sans-serif capital l
U+02144		ɂ						\Yup	turned sans-serif capital y

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02145								<code>\mitBbbD</code>	double-struck italic capital d
U+02146								<code>\mitBbbd</code>	double-struck italic small d
U+02147								<code>\mitBbbe</code>	double-struck italic small e
U+02148								<code>\mitBbbi</code>	double-struck italic small i
U+02149								<code>\mitBbbj</code>	double-struck italic small j
U+0214A								<code>\PropertyLine</code>	property line
U+021A8								<code>\updownarrowbar</code>	up down arrow with base (perpendicular)
U+021B4								<code>\linefeed</code>	rightwards arrow with corner downwards
U+021B5								<code>\carriagereturn</code>	downwards arrow with corner leftward = carriage return
U+021B8								<code>\barovernorthwestarrow</code>	north west arrow to long bar
U+021B9								<code>\barleftarrowrightarrowbar</code>	leftwards arrow to bar over rightwards arrow to bar
U+021BA								<code>\acwopencirclearrow</code>	anticlockwise open circle arrow
U+021BB								<code>\cwopencirclearrow</code>	clockwise open circle arrow
U+021DE								<code>\nHuparrow</code>	upwards arrow with double stroke
U+021DF								<code>\nHdownarrow</code>	downwards arrow with double stroke
U+021E0								<code>\leftdasharrow</code>	leftwards dashed arrow
U+021E1								<code>\updasharrow</code>	upwards dashed arrow
U+021E2								<code>\rightdasharrow</code>	rightwards dashed arrow
U+021E3								<code>\downdasharrow</code>	downwards dashed arrow
U+021E6								<code>\leftwhitearrow</code>	leftwards white arrow
U+021E7								<code>\upwhitearrow</code>	upwards white arrow
U+021E8								<code>\rightwhitearrow</code>	rightwards white arrow
U+021E9								<code>\downwhitearrow</code>	downwards white arrow














































































USV	LM	S	E	K	T	G	Li	Macro	Description
U+021EA		↕				↕	↕	\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	\forallall ^(p)	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	\complement ^(a)	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	\existsexists ^(p)	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	\nexists ^(a)	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	\varnothing ^(a)	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\increment	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	■	■	\QED	end of proof
U+0221A	√	√	√	√	√	√	√	\surd ^(p)	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	\infty ^(p)	infinity
U+0221F	⊞	⊞	⊞	⊞	⊞	⊞	⊞	\rightangle	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠	∠	\angle ^(p)	angle
U+02221	∡	∡	∡	∡	∡	∡	∡	\measuredangle ^(a)	angle-measured
U+02222	∢	∢	∢	∢	∢	∢	∢	\sphericalangle ^(a)	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴	∴	\therefore ^(a)	therefore
U+02235	∵	∵	∵	∵	∵	∵	∵	\because ^(a)	because
U+0223F	∿	∿	∿	∿	∿	∿	∿	\sinewave	sine wave
U+022A4	⤴	⤴	⤴	⤴	⤴	⤴	⤴	\top ^(p)	top
U+022A5	⤵	⤵	⤵	⤵	⤵	⤵	⤵	\bot ^(p)	bottom
U+022B9	⊞	⊞	⊞		⊞	⊞		\hermitmatrix	hermitian conjugate matrix
U+022BE	⊞	⊞	⊞		⊞	⊞		\measuredrightangle	right angle-measured [with arc]
U+022BF	⊞	⊞	⊞		⊞	⊞		\varlrrtriangle	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\unicodcdots	three dots, centered
U+02300	∅	∅	∅		∅	∅	∅	\diameter	diameter sign









































usv	LM	S	E	K	T	G	Li	Macro	Description
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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0239E								<code>\rparenuend</code>	right parenthesis upper hook
U+0239F								<code>\rparenextender</code>	right parenthesis extension
U+023A0								<code>\rparenlend</code>	right parenthesis lower hook
U+023A1								<code>\lbrackuend</code>	left square bracket upper corner
U+023A2								<code>\lbrackextender</code>	left square bracket extension
U+023A3								<code>\lbracklend</code>	left square bracket lower corner
U+023A4								<code>\rbrackuend</code>	right square bracket upper corner
U+023A5								<code>\rbrackextender</code>	right square bracket extension
U+023A6								<code>\rbracklend</code>	right square bracket lower corner
U+023A7								<code>\lbraceuend</code>	left curly bracket upper hook
U+023A8								<code>\lbracemid</code>	left curly bracket middle piece
U+023A9								<code>\lbracelend</code>	left curly bracket lower hook
U+023AA								<code>\vbraceextender</code>	curly bracket extension
U+023AB								<code>\rbraceuend</code>	right curly bracket upper hook
U+023AC								<code>\rbracemid</code>	right curly bracket middle piece
U+023AD								<code>\rbracelend</code>	right curly bracket lower hook

USV	LM	S	E	K	T	G	Li	Macro	Description
U+023AE								\intextender	integral extension
U+023AF		-					-	\harrowextender	horizontal line extension (used to extend arrows)
U+023B2								\sumtop	summation top
U+023B3								\sumbottom	summation bottom
U+023B6								\bbrktbrk	bottom square bracket over top square bracket
U+023B7								\sqrtbottom	radical symbol bottom
U+023B8								\lvboxline	left vertical box line
U+023B9								\rvboxline	right vertical box line
U+023CE								\varcarriagereturn	return symbol
U+023E0								\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1								\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2								\trapezium	white trapezium
U+023E3								\benzenr	benzene ring with circle
U+023E4								\strns	straightness
U+023E5								\fltns	flatness
U+023E6								\accurrent	ac current
U+023E7								\elinters	electrical intersection
U+02422								\blanksymbol	blank symbol
U+02423								\mathvisiblespace	open box
U+02506								\bdtriplevdash	doubly broken vert
U+02580								\blockuphalf	upper half block






























































USV	LM	S	E	K	T	G	Li	Macro	Description
U+02584								<code>\blocklowhalf</code>	lower half block
U+02588								<code>\blockfull</code>	full block
U+0258C								<code>\blocklefthalf</code>	left half block
U+02590								<code>\blockrighthalf</code>	right half block
U+02591								<code>\blockqtrshaded</code>	25% shaded block
U+02592								<code>\blockhalfshaded</code>	50% shaded block
U+02593								<code>\blockthreeqtrshaded</code>	75% shaded block
U+025A0								<code>\mdlgblksquare</code>	square, filled
U+025A1								<code>\mdlgwhtsquare</code>	square, open
U+025A2								<code>\squoval</code>	white square with rounded corners
U+025A3								<code>\blackinwhitesquare</code>	white square containing black small square
U+025A4								<code>\squarehfill</code>	square, horizontal rule filled
U+025A5								<code>\squarevfill</code>	square, vertical rule filled
U+025A6								<code>\squarehvfill</code>	square with orthogonal crosshatch fill
U+025A7								<code>\squarenwsefill</code>	square, nw-to-se rule filled
U+025A8								<code>\squareneswfill</code>	square, ne-to-sw rule filled
U+025A9								<code>\squarecrossfill</code>	square with diagonal crosshatch fill
U+025AA								<code>\smbllksquare</code>	/blacksquare - sq bullet, filled
U+025AB								<code>\smwhtsquare</code>	white small square
U+025AC								<code>\hrectangleblack</code>	black rectangle
U+025AD								<code>\hrectangle</code>	horizontal rectangle, open
U+025AE								<code>\vrectangleblack</code>	black vertical rectangle
U+025AF								<code>\vrectangle</code>	rectangle, white (vertical)

USV	LM	S	E	K	T	G	Li	Macro	Description
U+025B0								<code>\parallelogramblack</code>	black parallelogram
U+025B1								<code>\parallelogram</code>	parallelogram, open
U+025B2								<code>\bigblacktriangleup</code>	black up-pointing triangle
U+025B4								<code>\blacktriangle^(a)</code>	up triangle, filled
U+025B6								<code>\blacktriangleright^(a)</code>	(large) right triangle, filled
U+025B8								<code>\smallblacktriangleright</code>	right triangle, filled
U+025B9								<code>\smalltriangleright</code>	right triangle, open
U+025BA								<code>\blackpointerright</code>	black right-pointing pointer
U+025BB								<code>\whitepointerright</code>	white right-pointing pointer
U+025BC								<code>\bigblacktriangledown</code>	big down triangle, filled
U+025BD								<code>\bigtriangledown^(p)</code>	big down triangle, open
U+025BE								<code>\blacktriangledown^(a)</code>	down triangle, filled
U+025BF								<code>\triangledown^(a)</code>	down triangle, open
U+025C0								<code>\blacktriangleleft^(a)</code>	(large) left triangle, filled
U+025C2								<code>\smallblacktriangleleft</code>	left triangle, filled
U+025C3								<code>\smalltriangleleft</code>	left triangle, open
U+025C4								<code>\blackpointerleft</code>	black left-pointing pointer
U+025C5								<code>\whitepointerleft</code>	white left-pointing pointer
U+025C6								<code>\mdlgblkdiamond</code>	black diamond
U+025C7								<code>\mdlgwhtdiamond</code>	white diamond; diamond, open
U+025C8								<code>\blackinwhitediamond</code>	white diamond containing black small diamond
U+025C9								<code>\fisheye</code>	fisheye
U+025CA								<code>\mdlgwhtlozenge</code>	lozenge or total mark
U+025CC								<code>\dottedcircle</code>	dotted circle





















USV	LM	S	E	K	T	G	Li	Macro	Description
U+025CD								<code>\circlevertfill</code>	circle with vertical fill
U+025CE								<code>\bullseye</code>	bullseye
U+025CF								<code>\mdlgblkcircle</code>	circle, filled
U+025D0								<code>\circlelefthalfblack</code>	circle, filled left half [harvey ball]
U+025D1								<code>\cyclerighthalfblack</code>	circle, filled right half
U+025D2								<code>\circlebottomhalfblack</code>	circle, filled bottom half
U+025D3								<code>\cirtophalfblack</code>	circle, filled top half
U+025D4								<code>\circleurquadblack</code>	circle with upper right quadrant black
U+025D5								<code>\blackcircleulquadwhite</code>	circle with all but upper left quadrant black
U+025D6								<code>\blacklefthalfcircle</code>	left half black circle
U+025D7								<code>\blackrighthalfcircle</code>	right half black circle
U+025D8								<code>\inversebullet</code>	inverse bullet
U+025D9								<code>\inversewhitecircle</code>	inverse white circle
U+025DA								<code>\invwhiteupperhalfcircle</code>	upper half inverse white circle
U+025DB								<code>\invwhitelowerhalfcircle</code>	lower half inverse white circle
U+025DC								<code>\ularc</code>	upper left quadrant circular arc
U+025DD								<code>\urarc</code>	upper right quadrant circular arc
U+025DE								<code>\lrarc</code>	lower right quadrant circular arc
U+025DF								<code>\llarc</code>	lower left quadrant circular arc
U+025E0								<code>\topsemicircle</code>	upper half circle
U+025E1								<code>\botsemicircle</code>	lower half circle
U+025E2								<code>\lrblacktriangle</code>	lower right triangle, filled
U+025E3								<code>\llblacktriangle</code>	lower left triangle, filled
U+025E4								<code>\ulblacktriangle</code>	upper left triangle, filled

USV	LM	S	E	K	T	G	Li	Macro	Description
U+025E5		▴						\urblacktriangle	upper right triangle, filled
U+025E6	○	○	○	○	○	○	○	\smwhtcircle	white bullet
U+025E7		◼				◼		\squareleftblack	square, filled left half
U+025E8		◼				◼		\squarerightblack	square, filled right half
U+025E9		◻				◻		\squareulblack	square, filled top left corner
U+025EA		◻				◻		\squarelrblack	square, filled bottom right corner
U+025EC		◴						\trianglecdot	triangle with centered dot
U+025ED		◴				◴		\triangleleftblack	up-pointing triangle with left half black
U+025EE		◴				◴		\trianglerightblack	up-pointing triangle with right half black
U+025EF	○	○	○	○	○	○		\lgwhtcircle	large circle
U+025F0		◻						\squareulquad	white square with upper left quadrant
U+025F1		◻						\squarellquad	white square with lower left quadrant
U+025F2		◻						\squarelrquad	white square with lower right quadrant
U+025F3		◻						\squareurquad	white square with upper right quadrant
U+025F4		◐						\circleulquad	white circle with upper left quadrant
U+025F5		◐						\circlellquad	white circle with lower left quadrant
U+025F6		◐						\circlelrquad	white circle with lower right quadrant
U+025F7		◐						\circleurquad	white circle with upper right quadrant
U+025F8		◀						\ultriangle	upper left triangle
U+025F9		▶						\urtriangle	upper right triangle
U+025FA		◀						\lltriangle	lower left triangle

USV	LM	S	E	K	T	G	Li	Macro	Description
U+025FB		◻	◻	◻				\mdwhtsquare	white medium square
U+025FC		◼	◼	◼				\mdblksquare	black medium square
U+025FD		◻						\mdsmwhtsquare	white medium small square
U+025FE		◼						\mdsmbksquare	black medium small square
U+025FF		◡						\lrrtriangle	lower right triangle
U+02605		★	★	★		★	★	\bigstar ^(a)	star, filled
U+02606		☆				☆		\bigwhitestar	star, open
U+02609		☼					☼	\astrosun	sun
U+02621		⤿						\danger	dangerous bend (caution sign)
U+0263B		☺					☹	\blacksmiley	black smiling face
U+0263C		☼					☼	\sun	white sun with rays
U+0263D		☾					☾	\rightmoon	first quarter moon
U+0263E		☾					☾	\leftmoon	last quarter moon
U+02640		♀					♀	\female	venus, female
U+02642		♂					♂	\male	mars, male
U+02660	♠	♠	♠	♠	♠		♠	\spadesuit ^(p)	spades suit symbol
U+02661	♥	♥	♥	♥	♥		♥	\heartsuit ^(p)	heart suit symbol
U+02662	♦	♦	♦	♦	♦		♦	\diamondsuit ^(p)	diamond suit symbol
U+02663	♣	♣	♣	♣	♣		♣	\clubsuit ^(p)	club suit symbol
U+02664	♠	♠	♠	♠	♠		♠	\varspadesuit	spade, white (card suit)
U+02665	♥	♥	♥	♥	♥		♥	\varheartsuit	filled heart (card suit)
U+02666	♦	♦	♦	♦	♦		♦	\vardiamondsuit	filled diamond (card suit)
U+02667	♣	♣	♣	♣	♣		♣	\varclubsuit	club, white (card suit)
U+02669		♪					♪	\quarternote	music note (sung text sign)

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0266A								<code>\eighthnote</code>	eighth note
U+0266B								<code>\twonotes</code>	beamed eighth notes
U+0266D								<code>\flat^(p)</code>	musical flat
U+0266E								<code>\natural^(p)</code>	music natural
U+0266F								<code>\sharp^(p)</code>	musical sharp
U+0267E								<code>\acidfree</code>	permanent paper sign
U+02680								<code>\dicei</code>	die face-1
U+02681								<code>\diceii</code>	die face-2
U+02682								<code>\diceiii</code>	die face-3
U+02683								<code>\diceiv</code>	die face-4
U+02684								<code>\dicev</code>	die face-5
U+02685								<code>\dicevi</code>	die face-6
U+02686								<code>\circledrightdot</code>	white circle with dot right
U+02687								<code>\circledtwodots</code>	white circle with two dots
U+02688								<code>\blackcircledrightdot</code>	black circle with white dot right
U+02689								<code>\blackcircledtwodots</code>	black circle with two white dots
U+026A5								<code>\Hermaphrodite</code>	male and female sign
U+026AA								<code>\mdwhtcircle</code>	medium white circle
U+026AB								<code>\mdblkcircle</code>	medium black circle
U+026AC								<code>\mdsmwhtcircle</code>	medium small white circle
U+026B2								<code>\neuter</code>	neuter
U+02713								<code>\checkmark</code>	tick, check mark
U+02720								<code>\maltese</code>	maltese cross
U+0272A								<code>\circledstar</code>	circled white star

usv	LM	S	E	K	T	G	Li	Macro	Description
U+02736		✳						<code>\varstar</code>	six pointed black star
U+0273D		✴						<code>\dingasterisk</code>	heavy teardrop-spoked asterisk
U+0279B		➔						<code>\draftingarrow</code>	right arrow with bold head (drafting)
U+027C0		⋈						<code>\threedangle</code>	three dimensional angle
U+027C1		⬠						<code>\whiteinwhitetriangle</code>	white triangle containing small white triangle
U+027C3		⊂						<code>\subsetcirc</code>	open subset
U+027C4		⊃						<code>\supsetcirc</code>	open superset
U+027D0		◊		◊				<code>\diamondcdot</code>	white diamond with centred dot
U+0292B		↗						<code>\rdiagovfdiag</code>	rising diagonal crossing falling diagonal
U+0292C		↘						<code>\fdiagovrdiag</code>	falling diagonal crossing rising diagonal
U+0292D		↗↘						<code>\seovnearrow</code>	south east arrow crossing north east arrow
U+0292E		↘↗						<code>\neovsearrow</code>	north east arrow crossing south east arrow
U+0292F		↘↗						<code>\fdiagovnearrow</code>	falling diagonal crossing north east arrow
U+02930		↗↘						<code>\rdiagovsearrow</code>	rising diagonal crossing south east arrow
U+02931		↗↖						<code>\neovnwarrow</code>	north east arrow crossing north west arrow
U+02932		↖↗						<code>\nwovnearrow</code>	north west arrow crossing north east arrow
U+02934		↗↻	↻					<code>\uprightcurvearrow</code>	arrow pointing rightwards then curving upwards
U+02935		↘↻	↻					<code>\downrightcurvedarrow</code>	arrow pointing rightwards then curving downwards
U+02981		●	●	●				<code>\mdsmbkcircle</code>	z notation spot
U+02999		⋮						<code>\fourvdots</code>	dotted fence
U+0299A		⋈						<code>\vzigzag</code>	vertical zigzag line

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0299B								<code>\measuredangleleft</code>	measured angle opening left
U+0299C								<code>\rightanglesqr</code>	right angle variant with square
U+0299D								<code>\rightanglemdot</code>	measured right angle with dot
U+0299E								<code>\angles</code>	angle with s inside
U+0299F								<code>\angdnr</code>	acute angle
U+029A0								<code>\gtlpar</code>	spherical angle opening left
U+029A1								<code>\sphericalangleup</code>	spherical angle opening up
U+029A2								<code>\turnangle</code>	turned angle
U+029A3								<code>\revangle</code>	reversed angle
U+029A4								<code>\angleubar</code>	angle with underbar
U+029A5								<code>\revangleubar</code>	reversed angle with underbar
U+029A6								<code>\wideangledown</code>	oblique angle opening up
U+029A7								<code>\wideangleup</code>	oblique angle opening down
U+029A8								<code>\measanglerutone</code>	measured angle with open arm ending in arrow pointing up and right
U+029A9								<code>\measanglelutonw</code>	measured angle with open arm ending in arrow pointing up and left
U+029AA								<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
U+029AB								<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
U+029AC								<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
U+029AD								<code>\measangleultonw</code>	measured angle with open arm ending in arrow pointing left and up
U+029AE								<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down

USV	LM	S	E	K	T	G	Li	Macro	Description
U+029AF								<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0								<code>\revemptyset</code>	reversed empty set
U+029B1								<code>\emptysettoobar</code>	empty set with overbar
U+029B2								<code>\emptysettocirc</code>	empty set with small circle above
U+029B3								<code>\emptysettoarr</code>	empty set with right arrow above
U+029B4								<code>\emptysettoarrl</code>	empty set with left arrow above
U+029BA								<code>\obot</code>	circle divided by horizontal bar and top half divided by vertical bar
U+029BB								<code>\olcross</code>	circle with superimposed x
U+029BC								<code>\odotslashdot</code>	circled anticlockwise-rotated division sign
U+029BD								<code>\uparrowwncircle</code>	up arrow through circle
U+029BE								<code>\circledwhitebullet</code>	circled white bullet
U+029BF								<code>\circledbullet</code>	circled bullet
U+029C2								<code>\cirscir</code>	circle with small circle to the right
U+029C3								<code>\cirE</code>	circle with two horizontal strokes to the right
U+029C9								<code>\boxonbox</code>	two joined squares
U+029CA								<code>\triangleodot</code>	triangle with dot above
U+029CB								<code>\triangleubar</code>	triangle with underbar
U+029CC								<code>\triangles</code>	s in triangle
U+029DC								<code>\iinfin</code>	incomplete infinity
U+029DD								<code>\tieinfty</code>	tie over infinity
U+029DE								<code>\nvinfty</code>	infinity negated with vertical bar
U+029E0								<code>\laplac</code>	square with contoured outline

USV	LM	S	E	K	T	G	Li	Macro	Description
U+029E7		⚡						\thermod	thermodynamic
U+029E8		▼						\downtriangleleftblack	down-pointing triangle with left half black
U+029E9		▼						\downtrianglerightblack	down-pointing triangle with right half black
U+029EA		⬇						\blackdiamonddownarrow	black diamond with down arrow
U+029EC		⬇						\circledownarrow	white circle with down arrow
U+029ED		⬇						\blackcircledownarrow	black circle with down arrow
U+029EE		⏏						\errbarsquare	error-barred white square
U+029EF		⏏						\errbarblacksquare	error-barred black square
U+029F0		⏏						\errbardiamond	error-barred white diamond
U+029F1		⏏						\errbarblackdiamond	error-barred black diamond
U+029F2		⏏						\errbarcircle	error-barred white circle
U+029F3		⏏						\errbarblackcircle	error-barred black circle
U+02AE1		⊥s						\perps	perpendicular with s
U+02AF1		⏏						\topcir	down tack with circle below
U+02B12		◼						\squaretopblack	square with top half black
U+02B13		◼						\squarebotblack	square with bottom half black
U+02B14		◼						\squareurblack	square with upper right diagonal half black
U+02B15		◼						\squarellblack	square with lower left diagonal half black
U+02B16		◼						\diamondleftblack	diamond with left half black
U+02B17		◼						\diamondrightblack	diamond with right half black
U+02B18		◼						\diamondtopblack	diamond with top half black
U+02B19		◼						\diamondbotblack	diamond with bottom half black
U+02B1A	◻	◻			◻	◻		\dottedsquare	dotted square

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02B1B		■						\lgblksquare	black large square
U+02B1C		□						\lgwhtsquare	white large square
U+02B1D		▪	▪	▪				\vysmblksquare	black very small square
U+02B1E		◻	◻	◻				\vysmwhtsquare	white very small square
U+02B1F		⬠						\pentagonblack	black pentagon
U+02B20		⬡						\pentagon	white pentagon
U+02B21		⬢						\varhexagon	white hexagon
U+02B22		⬤						\varhexagonblack	black hexagon
U+02B23		⬥						\hexagonblack	horizontal black hexagon
U+02B24		●	●	●				\lgblkcircle	black large circle
U+02B25		◆		◆				\mdblkdiamond	black medium diamond
U+02B26		◇		◇				\mdwhtdiamond	white medium diamond
U+02B27		◆						\mdblklozenge	black medium lozenge
U+02B28		◇		◇				\mdwhtlozenge	white medium lozenge
U+02B29		◆						\smblkdiamond	black small diamond
U+02B2A		◆						\smblklozenge	black small lozenge
U+02B2B		◇						\smwhtlozenge	white small lozenge
U+02B2C		◐						\blkhorzoval	black horizontal ellipse
U+02B2D		◯						\whthorzoval	white horizontal ellipse
U+02B2E		◑						\blkvertoval	black vertical ellipse
U+02B2F		○						\whtvertoval	white vertical ellipse
U+02B50		☆						\medwhitestar	white medium star
U+02B51		★						\medblackstar	black medium star
U+02B52		☆						\smwhitestar	white small star































































































































































USV	LM	S	E	K	T	G	Li	Macro	Description
U+02B53		➡						\rightpentagonblack	black right-pointing pentagon
U+02B54		⬡						\rightpentagon	white right-pointing pentagon
U+03012		〒						\postalmark	postal mark
U+03030		ㄟ						\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0		0	0	0	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1		1	1	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2		2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3		3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4		4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5		5	5	5	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6		6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7		7	7	7	\Bbbseven	mathematical double-struck digit 7

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D7E0	8	8	8		8	8	8	\Bbheight	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	0	\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3	3	\msanstthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0	0	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3	3	\mbfsanstthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6	6	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7	7	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8	8	\mbfsanseight	mathematical sans-serif bold digit 8

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D7F5	9	9	9	9	9	9	9	\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0	0	\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1	1	\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	2	2	\mttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3	3	\mtthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4	4	\mtfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5	5	\mtfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6	6	\mtsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7	7	\mtseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8	8	\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9	9	\mttnine	mathematical monospace digit 9

14 Relation symbols, `\mathrel`

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0003C	<	<	<	<	<	<	<	<code>\less</code>	less-than sign r:
U+0003D	=	=	=	=	=	=	=	<code>\equal</code>	equals sign r:
U+0003E	>	>	>	>	>	>	>	<code>\greater</code>	greater-than sign r:
U+02050		⊂						<code>\closure</code>	close up
U+02190	←	←	←	←	←	←	←	<code>\leftarrow^(p)</code>	/leftarrow /gets a: leftward arrow
U+02191	↑	↑	↑	↑	↑	↑	↑	<code>\uparrow^(p)</code>	upward arrow
U+02192	→	→	→	→	→	→	→	<code>\rightarrow^(p)</code>	/rightarrow /to a: rightward arrow
U+02193	↓	↓	↓	↓	↓	↓	↓	<code>\downarrow^(p)</code>	downward arrow
U+02194	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightarrow^(p)</code>	left and right arrow
U+02195	↕	↕	↕	↕	↕	↕	↕	<code>\updownarrow^(p)</code>	up and down arrow
U+02196	↖	↖	↖	↖	↖	↖	↖	<code>\nwarrow^(p)</code>	nw pointing arrow
U+02197	↗	↗	↗	↗	↗	↗	↗	<code>\nearrow^(p)</code>	ne pointing arrow
U+02198	↘	↘	↘	↘	↘	↘	↘	<code>\searrow^(p)</code>	se pointing arrow
U+02199	↙	↙	↙	↙	↙	↙	↙	<code>\swarrow^(p)</code>	sw pointing arrow
U+0219A	↚	↚	↚	↚	↚	↚	↚	<code>\nleftarrow^(a)</code>	not left arrow
U+0219B	↛	↛	↛	↛	↛	↛	↛	<code>\nrightarrow^(a)</code>	not right arrow
U+0219C		↪		↪		↪		<code>\leftwvearrow</code>	left arrow-wavy
U+0219D		↩		↩		↩		<code>\rightwvearrow</code>	right arrow-wavy
U+0219E	↔	↔	↔	↔	↔	↔	↔	<code>\twoheadleftarrow^(a)</code>	left two-headed arrow
U+0219F	↕	↕	↕	↕	↕	↕	↕	<code>\twoheaduparrow</code>	up two-headed arrow
U+021A0	↗	↗	↗	↗	↗	↗	↗	<code>\twoheadrightarrow^(a)</code>	right two-headed arrow
U+021A1	↘	↘	↘	↘	↘	↘	↘	<code>\twoheaddownarrow</code>	down two-headed arrow

USV	LM	S	E	K	T	G	Li	Macro	Description
U+021A2								<code>\leftarrowtail^(a)</code>	left arrow-tailed
U+021A3								<code>\rightarrowtail^(a)</code>	right arrow-tailed
U+021A4								<code>\mapsfrom</code>	maps to, leftward
U+021A5								<code>\mapsup</code>	maps to, upward
U+021A6								<code>\mapsto^(p)</code>	maps to, rightward
U+021A7								<code>\mapsdown</code>	maps to, downward
U+021A9								<code>\hookleftarrow^(p)</code>	left arrow-hooked
U+021AA								<code>\hookrightarrow^(p)</code>	right arrow-hooked
U+021AB								<code>\looparrowleft^(a)</code>	left arrow-looped
U+021AC								<code>\looparrowright^(a)</code>	right arrow-looped
U+021AD								<code>\leftrightsquigarrow^(a)</code>	left and right arr-wavy
U+021AE								<code>\nleftarrow^(a)</code>	not left and right arrow
U+021AF								<code>\downzigzagarrow</code>	downwards zigzag arrow
U+021B0								<code>\Lsh^(a)</code>	/lsh a:
U+021B1								<code>\Rsh^(a)</code>	/rsh a:
U+021B2								<code>\Ldsh</code>	left down angled arrow
U+021B3								<code>\Rdsh</code>	right down angled arrow
U+021B6								<code>\curvearrowleft^(a)</code>	left curved arrow
U+021B7								<code>\curvearrowright^(a)</code>	right curved arrow
U+021BC								<code>\leftharpoonup^(p)</code>	left harpoon-up
U+021BD								<code>\leftharpoondown^(p)</code>	left harpoon-down
U+021BE								<code>\upharpoonright^(a)</code>	/upharpoonright /restriction a: up harpoon-right
U+021BF								<code>\upharpoonleft^(a)</code>	up harpoon-left
U+021C0								<code>\rightharpoonup^(p)</code>	right harpoon-up

USV	LM	S	E	K	T	G	Li	Macro	Description
U+021C1								<code>\rightharpoondown^(p)</code>	right harpoon-down
U+021C2								<code>\downharpoonright^(a)</code>	down harpoon-right
U+021C3								<code>\downharpoonleft^(a)</code>	down harpoon-left
U+021C4								<code>\rightleftarrows^(a)</code>	right arrow over left arrow
U+021C5								<code>\updownarrows</code>	up arrow, down arrow
U+021C6								<code>\leftrightarrows^(a)</code>	left arrow over right arrow
U+021C7								<code>\leftleftarrows^(a)</code>	two left arrows
U+021C8								<code>\upuparrows^(a)</code>	two up arrows
U+021C9								<code>\rightrightarrows^(a)</code>	two right arrows
U+021CA								<code>\downdownarrows^(a)</code>	two down arrows
U+021CB								<code>\leftrightharpoons^(a)</code>	left harpoon over right
U+021CC								<code>\rightleftharpoons^(l)</code>	right harpoon over left
U+021CD								<code>\nLeftarrow^(a)</code>	not implied by
U+021CE								<code>\nLeftrightarrow^(a)</code>	not left and right double arrows
U+021CF								<code>\nRightarrow^(a)</code>	not implies
U+021D0								<code>\Leftarrow^(p)</code>	is implied by
U+021D1								<code>\Uparrow^(p)</code>	up double arrow
U+021D2								<code>\Rightarrow^(p)</code>	implies
U+021D3								<code>\Downarrow^(p)</code>	down double arrow
U+021D4								<code>\Leftrightarrow^(p)</code>	left and right double arrow
U+021D5								<code>\Updownarrow^(p)</code>	up and down double arrow
U+021D6								<code>\Nwarrow</code>	nw pointing double arrow
U+021D7								<code>\Nearrow</code>	ne pointing double arrow
U+021D8								<code>\Searrow</code>	se pointing double arrow

USV	LM	S	E	K	T	G	Li	Macro	Description
U+021D9								<code>\Swarrow</code>	sw pointing double arrow
U+021DA								<code>\Lleftarrow^(a)</code>	left triple arrow
U+021DB								<code>\Rrightarrow^(a)</code>	right triple arrow
U+021DC								<code>\leftsquigarrow</code>	leftwards squiggle arrow
U+021DD								<code>\rightsquigarrow^(a)</code>	rightwards squiggle arrow
U+021E4								<code>\barleftarrow</code>	leftwards arrow to bar
U+021E5								<code>\rightarrowbar</code>	rightwards arrow to bar
U+021F4								<code>\circlearrowright</code>	right arrow with small circle
U+021F5								<code>\downuparrows</code>	downwards arrow leftwards of upwards arrow
U+021F6								<code>\rightthreearrows</code>	three rightwards arrows
U+021F7								<code>\nleftarrow</code>	leftwards arrow with vertical stroke
U+021F8								<code>\nrightarrow</code>	rightwards arrow with vertical stroke
U+021F9								<code>\nleftrightarrow</code>	left right arrow with vertical stroke
U+021FA								<code>\nVleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB								<code>\nVrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC								<code>\nVleftrightarrow</code>	left right arrow with double vertical stroke
U+021FD								<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE								<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF								<code>\leftrightarrowtriangle</code>	left right open-headed arrow
U+02208								<code>\in^(p)</code>	set membership, variant
U+02209								<code>\notin^(l)</code>	negated set membership

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0220A	∈	∈	∈		∈	∈	∈	<code>\smallin</code>	set membership (small set membership)
U+0220B	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\ni^(p)</code>	contains, variant
U+0220C	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nni</code>	negated contains, variant
U+0220D	⊃	⊃	⊃		⊃	⊃	⊃	<code>\smallni</code>	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	<code>\propto^(p)</code>	is proportional to
U+02223								<code>\mid^(p)</code>	/mid r:
U+02224	⊈	⊈	⊈	⊈	⊈	⊈	⊈	<code>\nmid^(a)</code>	negated mid
U+02225								<code>\parallel^(p)</code>	parallel
U+02226	⧻	⧻	⧻	⧻	⧻	⧻	⧻	<code>\nparallel^(a)</code>	not parallel
U+02236	:	:	:	:	:	:	:	<code>\mathratio</code>	ratio
U+02237	::	::	::	::	::	::	::	<code>\Colon</code>	two colons
U+02239	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\dashcolon</code>	excess (⋮)
U+0223A	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\dotsminusdots</code>	minus with four dots, geometric properties
U+0223B	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\kernelcontraction</code>	homothetic
U+0223C	≈	≈	≈	≈	≈	≈	≈	<code>\sim^(p)</code>	similar
U+0223D	≈	≈	≈	≈	≈	≈	≈	<code>\backsim^(a)</code>	reverse similar
U+02241	≈	≈	≈	≈	≈	≈	≈	<code>\nsim^(a)</code>	not similar
U+02242	≈	≈	≈	≈	≈	≈	≈	<code>\eqsim^(a)</code>	equals, similar
U+02243	≈	≈	≈	≈	≈	≈	≈	<code>\simeq^(p)</code>	similar, equals
U+02244	≈	≈	≈	≈	≈	≈	≈	<code>\nsime</code>	not similar, equals
U+02243	≈	≈	≈	≈	≈	≈	≈	<code>\sime</code>	similar, equals (alias)
U+02244	≈	≈	≈	≈	≈	≈	≈	<code>\nsimeq</code>	not similar, equals (alias)
U+02245	≅	≅	≅	≅	≅	≅	≅	<code>\cong^(l)</code>	congruent with































































































usv	LM	S	E	K	T	G	Li	Macro	Description
U+02246	\approx	\approx	\approx	\approx	\approx	\approx	\approx	<code>\simneqq</code>	similar, not equals [vert only for 9573 entity]
U+02247	\ncong	\ncong	\ncong	\ncong	\ncong	\ncong	\ncong	<code>\ncong^(a)</code>	not congruent with
U+02248	\approx	\approx	\approx	\approx	\approx	\approx	\approx	<code>\approx^(p)</code>	approximate
U+02249	\napprox	\napprox	\napprox	\napprox	\napprox	\napprox	\napprox	<code>\napprox</code>	not approximate
U+0224A	\approx	\approx	\approx	\approx	\approx	\approx	\approx	<code>\approxeq^(a)</code>	approximate, equals
U+0224B	\approx	\approx	\approx	\approx	\approx	\approx	\approx	<code>\approxdent</code>	approximately identical to
U+0224C	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	<code>\backcong</code>	all equal to
U+0224D	\asymp	\asymp	\asymp	\asymp	\asymp	\asymp	\asymp	<code>\asymp^(p)</code>	asymptotically equal to
U+0224E	\bumpeq	\bumpeq	\bumpeq	\bumpeq	\bumpeq	\bumpeq		<code>\Bumpeq^(a)</code>	bumpy equals
U+0224F	\bumpeq	\bumpeq	\bumpeq	\bumpeq	\bumpeq	\bumpeq		<code>\bumpeq^(a)</code>	bumpy equals, equals
U+02250	\doteq	\doteq	\doteq	\doteq	\doteq	\doteq	\doteq	<code>\doteq^(l)</code>	equals, single dot above
U+02251	\doteq	\doteq	\doteq	\doteq	\doteq	\doteq	\doteq	<code>\Doteq^(a)</code>	<code>/doteqdot /doteq r:</code> equals, even dots
U+02252	\fallingdotseq	\fallingdotseq	\fallingdotseq	\fallingdotseq	\fallingdotseq	\fallingdotseq	\fallingdotseq	<code>\fallingdotseq^(a)</code>	equals, falling dots
U+02253	\risingdotseq	\risingdotseq	\risingdotseq	\risingdotseq	\risingdotseq	\risingdotseq	\risingdotseq	<code>\risingdotseq^(a)</code>	equals, rising dots
U+02254	\coloneq	\coloneq	\coloneq	\coloneq	\coloneq	\coloneq	\coloneq	<code>\coloneq</code>	colon, equals
U+02255	\eqcolon	\eqcolon	\eqcolon	\eqcolon	\eqcolon	\eqcolon	\eqcolon	<code>\eqcolon</code>	equals, colon
U+02256	\eqcirc	\eqcirc	\eqcirc	\eqcirc	\eqcirc	\eqcirc	\eqcirc	<code>\eqcirc^(a)</code>	circle on equals sign
U+02257	\circeq	\circeq	\circeq	\circeq	\circeq		\circeq	<code>\circeq^(a)</code>	circle, equals
U+02258	\arceq	\arceq	\arceq		\arceq		\arceq	<code>\arceq</code>	arc, equals; corresponds to
U+02259	\wedgpeq	\wedgpeq	\wedgpeq		\wedgpeq		\wedgpeq	<code>\wedgpeq</code>	corresponds to (wedge, equals)
U+0225A	\veeeq	\veeeq	\veeeq		\veeeq		\veeeq	<code>\veeeq</code>	logical or, equals
U+0225B	\stareq	\stareq	\stareq		\stareq		\stareq	<code>\stareq</code>	star equals
U+0225C	\triangleq	\triangleq	\triangleq	\triangleq	\triangleq		\triangleq	<code>\triangleq^(a)</code>	triangle, equals

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0225D	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$		$\stackrel{\text{def}}{=}$		$\stackrel{\text{def}}{=}$	<code>\eqdef</code>	equals by definition
U+0225E	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$		$\stackrel{\text{m}}{=}$		$\stackrel{\text{m}}{=}$	<code>\measeq</code>	measured by (m over equals)
U+0225F	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$		$\stackrel{?}{=}$		$\stackrel{?}{=}$	<code>\questeq</code>	equal with questionmark
U+02260	\neq	\neq	\neq	\neq	\neq	\neq	\neq	<code>\ne^(p)</code>	/ne /neq r: not equal
U+02261	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	<code>\equiv^(p)</code>	identical with
U+02262	\ncong	\ncong	\ncong	\ncong	\ncong	\ncong	\ncong	<code>\nequiv</code>	not identical with
U+02263	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	\equiv	<code>\Equiv</code>	strict equivalence (4 lines)
U+02264	\leq	\leq	\leq	\leq	\leq	\leq	\leq	<code>\leq^(p)</code>	/leq /le r: less-than-or-equal
U+02265	\geq	\geq	\geq	\geq	\geq	\geq	\geq	<code>\geq^(p)</code>	/geq /ge r: greater-than-or-equal
U+02266	\leq	\leq	\leq	\leq	\leq	\leq	\leq	<code>\leqq^(a)</code>	less, double equals
U+02267	\geq	\geq	\geq	\geq	\geq	\geq	\geq	<code>\geqq^(a)</code>	greater, double equals
U+02268	\nleq	\nleq	\nleq	\nleq	\nleq	\nleq	\nleq	<code>\lneqq^(a)</code>	less, not double equals
U+02269	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	<code>\gneqq^(a)</code>	greater, not double equals
U+0226A	\ll	\ll	\ll	\ll	\ll	\ll	\ll	<code>\ll^(p)</code>	much less than, type 2
U+0226B	\gg	\gg	\gg	\gg	\gg	\gg	\gg	<code>\gg^(p)</code>	much greater than, type 2
U+0226C	\between	\between	\between	\between	\between	\between	\between	<code>\between^(a)</code>	between
U+0226D	\asymp	\asymp	\asymp	\asymp	\asymp	\asymp	\asymp	<code>\nasymp</code>	not asymptotically equal to
U+0226E	\nless	\nless	\nless	\nless	\nless	\nless	\nless	<code>\nless^(a)</code>	not less-than
U+0226F	\ngtr	\ngtr	\ngtr	\ngtr	\ngtr	\ngtr	\ngtr	<code>\ngtr^(a)</code>	not greater-than
U+02270	\nleq	\nleq	\nleq	\nleq	\nleq	\nleq	\nleq	<code>\nleq^(a)</code>	not less-than-or-equal
U+02271	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	\ngeq	<code>\ngeq^(a)</code>	not greater-than-or-equal
U+02272	\lesssim	\lesssim	\lesssim	\lesssim	\lesssim	\lesssim	\lesssim	<code>\lesssim^(a)</code>	less, similar
U+02273	\gtrsim	\gtrsim	\gtrsim	\gtrsim	\gtrsim	\gtrsim	\gtrsim	<code>\gtrsim^(a)</code>	greater, similar

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02274	⩵	⩴	⩶	⩷	⩸	⩹	⩺	<code>\nlesssim</code>	not less, similar
U+02275	⩶	⩴	⩶	⩷	⩸	⩹	⩺	<code>\ngtrsim</code>	not greater, similar
U+02276	⩴	⩴	⩶	⩷	⩸	⩹	⩺	<code>\lessgtr^(a)</code>	less, greater
U+02277	⩶	⩴	⩶	⩷	⩸	⩹	⩺	<code>\gtrless^(a)</code>	greater, less
U+02278	⩵	⩴	⩶	⩷	⩸	⩹	⩺	<code>\nlessgtr</code>	not less, greater
U+02279	⩶	⩴	⩶	⩷	⩸	⩹	⩺	<code>\ngtrless</code>	not greater, less
U+0227A	⩸	⩸	⩸	⩸	⩸	⩸	⩸	<code>\prec^(p)</code>	precedes
U+0227B	⩸	⩸	⩸	⩸	⩸	⩸	⩸	<code>\succ^(p)</code>	succeeds
U+0227C	⩹	⩹	⩹	⩹	⩹	⩹	⩹	<code>\preccurlyeq^(a)</code>	precedes, curly equals
U+0227D	⩹	⩹	⩹	⩹	⩹	⩹	⩹	<code>\succcurlyeq^(a)</code>	succeeds, curly equals
U+0227E	⩸	⩸	⩸	⩸	⩸	⩸	⩸	<code>\precsim^(a)</code>	precedes, similar
U+0227F	⩸	⩸	⩸	⩸	⩸	⩸	⩸	<code>\succsim^(a)</code>	succeeds, similar
U+02280	⩵	⩴	⩶	⩷	⩸	⩹	⩺	<code>\nprec^(a)</code>	not precedes
U+02281	⩶	⩴	⩶	⩷	⩸	⩹	⩺	<code>\nsucc^(a)</code>	not succeeds
U+02282	⊂	⊂	⊂	⊂	⊂	⊂	⊂	<code>\subset^(p)</code>	subset or is implied by
U+02283	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\supset^(p)</code>	superset or implies
U+02284	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nsubset</code>	not subset, variant [slash negation]
U+02285	⊇	⊇	⊇	⊇	⊇	⊇	⊇	<code>\nsupset</code>	not superset, variant [slash negation]
U+02286	⊆	⊆	⊆	⊆	⊆	⊆	⊆	<code>\subseteq^(p)</code>	subset, equals
U+02287	⊇	⊇	⊇	⊇	⊇	⊇	⊇	<code>\supseteq^(p)</code>	superset, equals
U+02288	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nsubseteq^(a)</code>	not subset, equals
U+02289	⊇	⊇	⊇	⊇	⊇	⊇	⊇	<code>\nsupseteq^(a)</code>	not superset, equals
U+0228A	⊈	⊈	⊈	⊈	⊈	⊈	⊈	<code>\subsetneq^(a)</code>	subset, not equals
U+0228B	⊉	⊉	⊉	⊉	⊉	⊉	⊉	<code>\supsetneq^(a)</code>	superset, not equals

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0228F								<code>\sqsubset</code>	square subset
U+02290								<code>\sqsupset</code>	square superset
U+02291								<code>\sqsubseteq^{(p)}</code>	square subset, equals
U+02292								<code>\sqsupseteq^{(p)}</code>	square superset, equals
U+022A2								<code>\vdash^{(p)}</code>	vertical, dash
U+022A3								<code>\dashv^{(p)}</code>	dash, vertical
U+022A6								<code>\assert</code>	assertion (vertical, short dash)
U+022A7								<code>\models^{(p)}</code>	models (vertical, short double dash)
U+022A8								<code>\vDash^{(a)}</code>	vertical, double dash
U+022A9								<code>\Vdash^{(a)}</code>	double vertical, dash
U+022AA								<code>\Vvdash^{(a)}</code>	triple vertical, dash
U+022AB								<code>\VDash</code>	double vert, double dash
U+022AC								<code>\nvdash^{(a)}</code>	not vertical, dash
U+022AD								<code>\nvDash^{(a)}</code>	not vertical, double dash
U+022AE								<code>\nVdash^{(a)}</code>	not double vertical, dash
U+022AF								<code>\nVDash^{(a)}</code>	not double vert, double dash
U+022B0								<code>\prurel</code>	element precedes under relation
U+022B1								<code>\scurel</code>	succeeds under relation
U+022B2								<code>\vartriangleleft^{(a)}</code>	left triangle, open, variant
U+022B3								<code>\vartriangleright^{(a)}</code>	right triangle, open, variant
U+022B4								<code>\trianglelefteq^{(a)}</code>	left triangle, equals
U+022B5								<code>\trianglerighteq^{(a)}</code>	right triangle, equals
U+022B6								<code>\origof</code>	original of

USV	LM	S	E	K	T	G	Li	Macro	Description
U+022B7								<code>\imageof</code>	image of
U+022B8								<code>\multimap^(a)</code>	/multimap a:
U+022C8								<code>\bowtie^(p)</code>	bowtie
U+022CD								<code>\backsimeq^(a)</code>	reverse similar, equals
U+022D0								<code>\Subset^(a)</code>	double subset
U+022D1								<code>\Supset^(a)</code>	double superset
U+022D4								<code>\pitchfork^(a)</code>	pitchfork
U+022D5								<code>\equalparallel</code>	parallel, equal; equal or parallel
U+022D6								<code>\lessdot^(a)</code>	less than, with dot
U+022D7								<code>\gtrdot^(a)</code>	greater than, with dot
U+022D8								<code>\lll^(a)</code>	/ll /lll /llless r: triple less-than
U+022D9								<code>\ggg^(a)</code>	/ggg /gg /gggtr r: triple greater-than
U+022DA								<code>\lesseqgtr^(a)</code>	less, equals, greater
U+022DB								<code>\gtreqless^(a)</code>	greater, equals, less
U+022DC								<code>\eqless</code>	equal-or-less
U+022DD								<code>\eqgtr</code>	equal-or-greater
U+022DE								<code>\curlyeqprec^(a)</code>	curly equals, precedes
U+022DF								<code>\curlyeqsucc^(a)</code>	curly equals, succeeds
U+022E0								<code>\npreccurlyeq</code>	not precedes, curly equals
U+022E1								<code>\nsucccurlyeq</code>	not succeeds, curly equals
U+022E2								<code>\nsqsubseteq</code>	not, square subset, equals
U+022E3								<code>\nsqsupseteq</code>	not, square superset, equals
U+022E4								<code>\sqsubsetneq</code>	square subset, not equals

USV	LM	S	E	K	T	G	Li	Macro	Description
U+022E5								<code>\sqsupsetneq</code>	square superset, not equals
U+022E6								<code>\lnsim^(a)</code>	less, not similar
U+022E7								<code>\gnsim^(a)</code>	greater, not similar
U+022E8								<code>\precnsim^(a)</code>	precedes, not similar
U+022E9								<code>\succnsim^(a)</code>	succeeds, not similar
U+022EA								<code>\nvartriangleleft</code>	not left triangle
U+022EB								<code>\nvartriangleright</code>	not right triangle
U+022EC								<code>\ntrianglelefteq^(a)</code>	not left triangle, equals
U+022ED								<code>\ntrianglerighteq^(a)</code>	not right triangle, equals
U+022EE								<code>\vdots^(p)</code>	vertical ellipsis
U+022F0								<code>\adots</code>	three dots, ascending
U+022F1								<code>\ddots^(p)</code>	three dots, descending
U+022F2								<code>\disin</code>	element of with long horizontal stroke
U+022F3								<code>\varisins</code>	element of with vertical bar at end of horizontal stroke
U+022F4								<code>\isins</code>	small element of with vertical bar at end of horizontal stroke
U+022F5								<code>\isindot</code>	element of with dot above
U+022F6								<code>\varisinobar</code>	element of with overbar
U+022F7								<code>\isinobar</code>	small element of with overbar
U+022F8								<code>\isinvb</code>	element of with underbar
U+022F9								<code>\isinE</code>	element of with two horizontal strokes
U+022FA								<code>\nisd</code>	contains with long horizontal stroke
U+022FB								<code>\varnis</code>	contains with vertical bar at end of horizontal stroke

USV	LM	S	E	K	T	G	Li	Macro	Description
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		⌘						\bsolhsb	reverse solidus preceding subset
U+027C9		⌙						\suphsol	superset preceding solidus
U+027D2		⌛						\upin	element of opening upwards
U+027D3		⌞						\pullback	lower right corner with dot
U+027D4		⌟						\pushout	upper left corner with dot
U+027DA	⌐	⌑	⌒	⌓	⌔	⌕	⌖	\DashVDash	left and right double turnstile
U+027DB	⌐	⌑	⌒	⌓	⌔	⌕	⌖	\dashVdash	left and right tack
U+027DC	⌐	⌑	⌒	⌓	⌔	⌕	⌖	\multimapinv	left multimap
U+027DD	⌐	⌑	⌒	⌓	⌔	⌕	⌖	\vlongdash	long left tack
U+027DE	⌐	⌑	⌒	⌓	⌔	⌕	⌖	\longdashv	long right tack
U+027DF		⌑						\cirbot	up tack with circle above
U+027F0		⌑						\UUparrow	upwards quadruple arrow

USV	LM	S	E	K	T	G	Li	Macro	Description
U+027F1		⇓						<code>\Downarrow</code>	downwards quadruple arrow
U+027F2		↻					↻	<code>\acwgapcirclearrow</code>	anticlockwise gapped circle arrow
U+027F3		↻					↻	<code>\cwgapcirclearrow</code>	clockwise gapped circle arrow
U+027F4	⊕	⊕	⊕	⊕	⊕			<code>\rightarrowonoplus</code>	right arrow with circled plus
U+027F5	←	←	←	←	←	←	←	<code>\longleftarrow^(p)</code>	long leftwards arrow
U+027F6	→	→	→	→	→	→	→	<code>\longrightarrow^(p)</code>	long rightwards arrow
U+027F7	↔	↔	↔	↔	↔	↔	↔	<code>\longleftrightarrow^(p)</code>	long left right arrow
U+027F8	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Longleftarrow^(p)</code>	long leftwards double arrow
U+027F9	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Longrightarrow^(p)</code>	long rightwards double arrow
U+027FA	⇔	⇔	⇔	⇔	⇔	⇔	⇔	<code>\Longleftrightarrow^(p)</code>	long left right double arrow
U+027FB	←	←	←	←	←	←	←	<code>\longmapsfrom</code>	long leftwards arrow from bar
U+027FC	→	→	→	→	→	→	→	<code>\longmapsto^(p)</code>	long rightwards arrow from bar
U+027FD	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Longmapsfrom</code>	long leftwards double arrow from bar
U+027FE	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Longmapsto</code>	long rightwards double arrow from bar
U+027FF	↗	↗	↗	↗	↗	↗	↗	<code>\longrightsquigarrow</code>	long rightwards squiggle arrow
U+02900		⇔						<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with vertical stroke
U+02901		⇔						<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with double vertical stroke
U+02902		⇐					⇐	<code>\nvLeftarrow</code>	leftwards double arrow with vertical stroke
U+02903		⇒					⇒	<code>\nvRrightarrow</code>	rightwards double arrow with vertical stroke

usv	LM	S	E	K	T	G	Li	Macro	Description
U+02904		↔					↔	<code>\nvLefttrightarrow</code>	left right double arrow with vertical stroke
U+02905		↞						<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
U+02906	↠	↤	↠	↤	↤	↤	↤	<code>\Mapsfrom</code>	leftwards double arrow from bar
U+02907	↞	↞	↞	↞	↞	↞	↞	<code>\Mapsto</code>	rightwards double arrow from bar
U+02908		↓						<code>\downarrowbarred</code>	downwards arrow with horizontal stroke
U+02909		↑						<code>\uparrowbarred</code>	upwards arrow with horizontal stroke
U+0290A		↗					↗	<code>\Uuparrow</code>	upwards triple arrow
U+0290B		↘					↘	<code>\Ddownarrow</code>	downwards triple arrow
U+0290C		↔						<code>\leftbkarrow</code>	leftwards double dash arrow
U+0290D		↔						<code>\rightbkarrow</code>	rightwards double dash arrow
U+0290E		↔						<code>\lefdbkarrow</code>	leftwards triple dash arrow
U+0290F		↔						<code>\dbkarrow</code>	rightwards triple dash arrow
U+02910		↔						<code>\drbkarrow</code>	rightwards two-headed triple dash arrow
U+02911		↔						<code>\righdotarrow</code>	rightwards arrow with dotted stem
U+02912		↑						<code>\baruparrow</code>	upwards arrow to bar
U+02913		↓						<code>\downarrowbar</code>	downwards arrow to bar
U+02914		↞						<code>\nvrightarrowtail</code>	rightwards arrow with tail with vertical stroke
U+02915		↞						<code>\nVrightarrowtail</code>	rightwards arrow with tail with double vertical stroke
U+02916		↞						<code>\twoheadrightarrowtail</code>	rightwards two-headed arrow with tail

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02917		↔						\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		↔						\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		←						\lefttail	leftwards arrow-tail
U+0291A		→						\righttail	rightwards arrow-tail
U+0291B		↔						\leftdbltail	leftwards double arrow-tail
U+0291C		↔						\rightdbltail	rightwards double arrow-tail
U+0291D		↔						\diamondleftarrow	leftwards arrow to black diamond
U+0291E		→						\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		↔						\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		↔						\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921		↖						\nwsearrow	north west and south east arrow
U+02922		↗						\neswarrow	north east and south west arrow
U+02923		↖						\hknwarrow	north west arrow with hook
U+02924		↗						\hknearrow	north east arrow with hook
U+02925		↘						\hksearrow	south east arrow with hook
U+02926		↙						\hkswarrow	south west arrow with hook
U+02927		↖						\tona	north west arrow and north east arrow
U+02928		↗						\toea	north east arrow and south east arrow
U+02929		↘						\tosa	south east arrow and south west arrow

USV	LM	S	E	K	T	G	Li	Macro	Description
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		↻						\acwcirculararrow	anticlockwise closed circle arrow
U+02941		↻						\cwcirculararrow	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	LM	S	E	K	T	G	Li	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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02959		↓						<code>\downharpoonleftbar</code>	downwards harpoon with barb left to bar
U+0295A		←						<code>\leftharpoonupbar</code>	leftwards harpoon with barb up from bar
U+0295B		→						<code>\barriightharpoonup</code>	rightwards harpoon with barb up from bar
U+0295C		↑						<code>\upharpoonrightbar</code>	upwards harpoon with barb right from bar
U+0295D		↯						<code>\bardownharpoonright</code>	downwards harpoon with barb right from bar
U+0295E		↵						<code>\leftharpoondownbar</code>	leftwards harpoon with barb down from bar
U+0295F		↷						<code>\barriightharpoondown</code>	rightwards harpoon with barb down from bar
U+02960		⌞						<code>\upharpoonleftbar</code>	upwards harpoon with barb left from bar
U+02961		↰						<code>\bardownharpoonleft</code>	downwards harpoon with barb left from bar
U+02962		⇐						<code>\leftharpoonsupdown</code>	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⇑						<code>\upharpoonsleftright</code>	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⇒						<code>\rightharpoonsupdown</code>	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⇓						<code>\downharpoonsleftright</code>	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⇐						<code>\leftrightharpoonsup</code>	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⇒						<code>\leftrightharpoonsdown</code>	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⇐						<code>\rightleftharpoonsup</code>	rightwards harpoon with barb up above leftwards harpoon with barb up

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02969		⇚						<code>\rightleftharpoonsdown</code>	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⇚						<code>\leftharpoonupdash</code>	leftwards harpoon with barb up above long dash
U+0296B		⇚						<code>\dashleftharpoonowdown</code>	leftwards harpoon with barb down below long dash
U+0296C		⇚						<code>\rightharpoonupdash</code>	rightwards harpoon with barb up above long dash
U+0296D		⇚						<code>\dashrightharpoonowdown</code>	rightwards harpoon with barb down below long dash
U+0296E		⇚						<code>\updownharpoonsleftright</code>	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⇚						<code>\downupharpoonsleftright</code>	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⇚						<code>\rightimply</code>	right double arrow with rounded head
U+02971		⇚					⇒	<code>\equalrightarrow</code>	equals sign above rightwards arrow
U+02972		⇚					≈	<code>\similarrightarrow</code>	tilde operator above rightwards arrow
U+02973		⇚					←	<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
U+02974		⇚					→	<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
U+02975		⇚					≈	<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
U+02976		⇚						<code>\ltlarr</code>	less-than above leftwards arrow
U+02977		⇚						<code>\leftarrowless</code>	leftwards arrow through less-than
U+02978		⇚						<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		⇚						<code>\subrarr</code>	subset above rightwards arrow

USV	LM	S	E	K	T	G	Li	Macro	Description
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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A59		⋈						<code>\veeonwedge</code>	logical or overlapping logical and
U+02A66		⋮						<code>\eqdot</code>	equals sign with dot below
U+02A67		⋮̇						<code>\dotequiv</code>	identical with dot above
U+02A68		≡						<code>\equivVert</code>	triple horizontal bar with double vertical stroke
U+02A69		≡						<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
U+02A6A		⋱						<code>\dotsim</code>	tilde operator with dot above
U+02A6B		⋱̇						<code>\simrdots</code>	tilde operator with rising dots
U+02A6C		⋷						<code>\simminussim</code>	similar minus similar
U+02A6D		⋷̇						<code>\congdot</code>	congruent with dot above
U+02A6E		≡*						<code>\asteq</code>	equals with asterisk
U+02A6F		⋶̂						<code>\hatapprox</code>	almost equal to with circumflex accent
U+02A70		⋷̃						<code>\approxqq</code>	approximately equal or equal to
U+02A73		⋷̃						<code>\eqqsim</code>	equals sign above tilde operator
U+02A74		⋈		⋈		⋈		<code>\Coloneq</code>	double colon equal
U+02A75		⋈				⋈		<code>\eqeq</code>	two consecutive equals signs
U+02A76		⋈				⋈		<code>\eqeqeq</code>	three consecutive equals signs
U+02A77		⋈						<code>\ddotseq</code>	equals sign with two dots above and two dots below
U+02A78		⋈						<code>\equivDD</code>	equivalent with four dots above
U+02A79		⋈						<code>\ltcir</code>	less-than with circle inside
U+02A7A		⋈						<code>\gtcir</code>	greater-than with circle inside

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A7B								<code>\ltquest</code>	less-than with question mark above
U+02A7C								<code>\gtquest</code>	greater-than with question mark above
U+02A7D								<code>\leqslant^(a)</code>	less-than or slanted equal to
U+02A7E								<code>\geqslant^(a)</code>	greater-than or slanted equal to
U+02A7F								<code>\lesdot</code>	less-than or slanted equal to with dot inside
U+02A80								<code>\gesdot</code>	greater-than or slanted equal to with dot inside
U+02A81								<code>\lesdoto</code>	less-than or slanted equal to with dot above
U+02A82								<code>\gesdoto</code>	greater-than or slanted equal to with dot above
U+02A83								<code>\lesdotor</code>	less-than or slanted equal to with dot above right
U+02A84								<code>\gesdoto1</code>	greater-than or slanted equal to with dot above left
U+02A85								<code>\lessapprox^(a)</code>	less-than or approximate
U+02A86								<code>\gtrapprox^(a)</code>	greater-than or approximate
U+02A87								<code>\lneq^(a)</code>	less-than and single-line not equal to
U+02A88								<code>\gneq^(a)</code>	greater-than and single-line not equal to
U+02A89								<code>\lnapprox^(a)</code>	less-than and not approximate
U+02A8A								<code>\gnapprox^(a)</code>	greater-than and not approximate
U+02A8B								<code>\lesseqgtr^(a)</code>	less-than above double-line equal above greater-than
U+02A8C								<code>\gtreqless^(a)</code>	greater-than above double-line equal above less-than


































USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A8D		\lesssim						<code>\lsime</code>	less-than above similar or equal
U+02A8E		\gtrsim						<code>\gsime</code>	greater-than above similar or equal
U+02A8F		\lesimg						<code>\lsimg</code>	less-than above similar above greater-than
U+02A90		\gtsiml						<code>\gsiml</code>	greater-than above similar above less-than
U+02A91		\lgE						<code>\lgE</code>	less-than above greater-than above double-line equal
U+02A92		\glE						<code>\glE</code>	greater-than above less-than above double-line equal
U+02A93		\lesges						<code>\lesges</code>	less-than above slanted equal above greater-than above slanted equal
U+02A94		\gesles						<code>\gesles</code>	greater-than above slanted equal above less-than above slanted equal
U+02A95	\leqslant	\lessgtr	\lessgtr	\lessgtr	\lessgtr			<code>\eqslantless^(a)</code>	slanted equal to or less-than
U+02A96	\gtrless	\gtrless	\gtrless	\gtrless	\gtrless			<code>\eqslantgtr^(a)</code>	slanted equal to or greater-than
U+02A97		\leqslantdot						<code>\elsdot</code>	slanted equal to or less-than with dot inside
U+02A98		\gtrlessdot						<code>\egsdot</code>	slanted equal to or greater-than with dot inside
U+02A99		\eqless						<code>\eqqless</code>	double-line equal to or less-than
U+02A9A		\eqgtr						<code>\eqqgtr</code>	double-line equal to or greater-than
U+02A9B		\eqqslantless						<code>\eqqslantless</code>	double-line slanted equal to or less-than
U+02A9C		\eqqslantgtr						<code>\eqqslantgtr</code>	double-line slanted equal to or greater-than
U+02A9D		\simless						<code>\simless</code>	similar or less-than
U+02A9E		\simgtr						<code>\simgtr</code>	similar or greater-than

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02A9F								<code>\simlE</code>	similar above less-than above equals sign
U+02AA0								<code>\simgE</code>	similar above greater-than above equals sign
U+02AA1								<code>\Lt</code>	double nested less-than
U+02AA2								<code>\Gt</code>	double nested greater-than
U+02AA3								<code>\partialmeetcontraction</code>	double less-than with underbar
U+02AA4								<code>\glj</code>	greater-than overlapping less-than
U+02AA5								<code>\gla</code>	greater-than beside less-than
U+02AA6								<code>\ltcc</code>	less-than closed by curve
U+02AA7								<code>\gtcc</code>	greater-than closed by curve
U+02AA8								<code>\lescc</code>	less-than closed by curve above slanted equal
U+02AA9								<code>\gescc</code>	greater-than closed by curve above slanted equal
U+02AAA								<code>\smt</code>	smaller than
U+02AAB								<code>\lat</code>	larger than
U+02AAC								<code>\smt_e</code>	smaller than or equal to
U+02AAD								<code>\late</code>	larger than or equal to
U+02AAE								<code>\bumpeq</code>	equals sign with bumpy above
U+02AAF								<code>\preceq^(p)</code>	precedes above single-line equals sign
U+02AB0								<code>\succeq^(p)</code>	succeeds above single-line equals sign
U+02AB1								<code>\precneq</code>	precedes above single-line not equal to
U+02AB2								<code>\succneq</code>	succeeds above single-line not equal to

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02AB3		\equiv	\equiv	\equiv			\equiv	<code>\preceqq</code>	precedes above equals sign
U+02AB4		\succ	\succ	\succ			\succ	<code>\succeqq</code>	succeeds above equals sign
U+02AB5		\nprec	\nprec	\nprec			\nprec	<code>\precneqq^(a)</code>	precedes above not equal to
U+02AB6		\nsucc	\nsucc	\nsucc			\nsucc	<code>\succneqq^(a)</code>	succeeds above not equal to
U+02AB7		\approx	\approx	\approx				<code>\precapprox^(a)</code>	precedes above almost equal to
U+02AB8		\gtrsim	\gtrsim	\gtrsim				<code>\succapprox^(a)</code>	succeeds above almost equal to
U+02AB9		\napprox	\napprox	\napprox				<code>\precnapprox^(a)</code>	precedes above not almost equal to
U+02ABA		\ngtrsim	\ngtrsim	\ngtrsim				<code>\succnapprox^(a)</code>	succeeds above not almost equal to
U+02ABB		$\prec\prec$						<code>\Prec</code>	double precedes
U+02ABC		$\succ\succ$						<code>\Succ</code>	double succeeds
U+02ABD		$\subset\cdot$						<code>\subsetdot</code>	subset with dot
U+02ABE		$\supset\cdot$						<code>\supsetdot</code>	superset with dot
U+02ABF		$\subset+$						<code>\subsetplus</code>	subset with plus sign below
U+02AC0		$\supset+$						<code>\supsetplus</code>	superset with plus sign below
U+02AC1		$\subset\times$						<code>\subsetmult</code>	subset with multiplication sign below
U+02AC2		$\supset\times$						<code>\supmult</code>	superset with multiplication sign below
U+02AC3		$\subseteq\cdot$						<code>\subedot</code>	subset of or equal to with dot above
U+02AC4		$\supseteq\cdot$						<code>\supedot</code>	superset of or equal to with dot above
U+02AC5		\subseteq	\subseteq	\subseteq				<code>\subteqq^(a)</code>	subset of above equals sign

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02AC6		⊇	⊇	⊇				<code>\supseteqq^(a)</code>	superset of above equals sign
U+02AC7		⊆						<code>\subset</code>	subset of above tilde operator
U+02AC8		⊇						<code>\supsim</code>	superset of above tilde operator
U+02AC9		⊆						<code>\subsetapprox</code>	subset of above almost equal to
U+02ACA		⊇						<code>\supsetapprox</code>	superset of above almost equal to
U+02ACB		⊈	⊈	⊈				<code>\subsetneqq^(a)</code>	subset of above not equal to
U+02ACC		⊉	⊉	⊉				<code>\supsetneqq^(a)</code>	superset of above not equal to
U+02ACD		⌊						<code>\lsqhook</code>	square left open box operator
U+02ACE		⌋						<code>\rsqhook</code>	square right open box operator
U+02ACF		⊂						<code>\csub</code>	closed subset
U+02AD0		⊃						<code>\csup</code>	closed superset
U+02AD1		⊂						<code>\csube</code>	closed subset or equal to
U+02AD2		⊃						<code>\csupe</code>	closed superset or equal to
U+02AD3		⊆						<code>\subsup</code>	subset above superset
U+02AD4		⊇						<code>\supsub</code>	superset above subset
U+02AD5		⊆						<code>\subsub</code>	subset above subset
U+02AD6		⊇						<code>\supsup</code>	superset above superset
U+02AD7		⊃						<code>\supsub</code>	superset beside subset
U+02AD8		⊃						<code>\supdsup</code>	superset beside and joined by dash with subset
U+02AD9		⌋						<code>\forkv</code>	element of opening downwards
U+02ADA		⌋						<code>\topfork</code>	pitchfork with tee top

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02ADB		↗						\mlcp	transversal intersection
U+02ADC		↘						\forks	forking
U+02ADD		↓						\forksnot	nonforking
U+02ADE		┘						\shortlefttack	short left tack
U+02ADF		┘						\shortdowntack	short down tack
U+02AE0		┐						\shortuptack	short up tack
U+02AE2		≡						\vDdash	vertical bar triple right turnstile
U+02AE3		≡						\dashV	double vertical bar left turnstile
U+02AE4		≡						\Dashv	vertical bar double left turnstile
U+02AE5		≡						\DashV	double vertical bar double left turnstile
U+02AE6		≡						\varVdash	long dash from left member of double vertical
U+02AE7		┘						\Barv	short down tack with overbar
U+02AE8		┐						\vBar	short up tack with underbar
U+02AE9		┐						\vBarv	short up tack above short down tack
U+02AEA		≡		≡				\barV	double down tack
U+02AEB		≡		≡				\Vbar	double up tack
U+02AEC		≡						\Not	double stroke not sign
U+02AED		≡						\bNot	reversed double stroke not sign
U+02AEE		┘						\revnmid	does not divide with reversed negation slash
U+02AEF		⌋						\cirmid	vertical line with circle above
U+02AF0		⌋						\midcir	vertical line with circle below

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02AF2								<code>\nhpar</code>	parallel with horizontal stroke
U+02AF3								<code>\parsim</code>	parallel with tilde operator
U+02AF7								<code>\lllnest</code>	stacked very much less-than
U+02AF8								<code>\gggnest</code>	stacked very much greater-than
U+02AF9								<code>\leqqslant</code>	double-line slanted less-than or equal to
U+02AFA								<code>\geqqslant</code>	double-line slanted greater-than or equal to
U+02B30								<code>\circleonleftarrow</code>	left arrow with small circle
U+02B31								<code>\leftthreearrows</code>	three leftwards arrows
U+02B32								<code>\leftarrowonoplus</code>	left arrow with circled plus
U+02B33								<code>\longleftsquigarrow</code>	long leftwards squiggle arrow
U+02B34								<code>\nvtwoheadleftarrow</code>	leftwards two-headed arrow with vertical stroke
U+02B35								<code>\nVtwoheadleftarrow</code>	leftwards two-headed arrow with double vertical stroke
U+02B36								<code>\twoheadmapsfrom</code>	leftwards two-headed arrow from bar
U+02B37								<code>\twoheadleftdbkarrow</code>	leftwards two-headed triple-dash arrow
U+02B38								<code>\leftdotarrow</code>	leftwards arrow with dotted stem
U+02B39								<code>\nvleftarrowtail</code>	leftwards arrow with tail with vertical stroke
U+02B3A								<code>\nVleftarrowtail</code>	leftwards arrow with tail with double vertical stroke
U+02B3B								<code>\twoheadleftarrowtail</code>	leftwards two-headed arrow with tail
U+02B3C								<code>\nvtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with vertical stroke

USV	LM	S	E	K	T	G	Li	Macro	Description
U+02B3D		↔						\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↔						\leftarrow x	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	rightwards arrow above reverse tilde operator

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

15.1.2 Upright Greek, lowercase

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

usv	LM	S	E	K	T	G	Li	Macro	Description
U+003C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvarthetaeta	/varthetaeta - curly or open theta
U+003D5	φ	φ	φ	φ	φ	φ	φ	\mupphi	/straightphi - small phi, greek
U+003D6	ω	ω	ω	ω	ω	ω	ω	\mupvarpi	rounded small pi (pomega), greek
U+003DC		Ϝ					Ϝ	\upDigamma	capital digamma
U+003DD		ϝ	ϝ	Ϟ			ϝ	\updigamma	old greek small letter digamma
U+003F0	κ	κ	κ	κ	κ	κ	κ	\mupvarkappa	rounded small kappa, greek
U+003F1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mupvarrho	rounded small rho, greek
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupvarTheta	greek capital theta symbol
U+003F5	ε	ε	ε	ε	ε	ε	ε	\mupepsilon	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

usv	LM	S	E	K	T	G	Li	Macro	Description
U+1D434	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	\mitA	mathematical italic capital a
U+1D435	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	\mitB	mathematical italic capital b
U+1D436	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	\mitC	mathematical italic capital c
U+1D437	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	\mitD	mathematical italic capital d
U+1D438	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mitE	mathematical italic capital e

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D439	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	\mitF	mathematical italic capital f
U+1D43A	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	\mitG	mathematical italic capital g
U+1D43B	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	\mitH	mathematical italic capital h
U+1D43C	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	\mitI	mathematical italic capital i
U+1D43D	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	\mitJ	mathematical italic capital j
U+1D43E	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	\mitK	mathematical italic capital k
U+1D43F	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	\mitL	mathematical italic capital l
U+1D440	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	\mitM	mathematical italic capital m
U+1D441	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	\mitN	mathematical italic capital n
U+1D442	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	\mitO	mathematical italic capital o
U+1D443	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	\mitP	mathematical italic capital p
U+1D444	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	\mitQ	mathematical italic capital q
U+1D445	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	\mitR	mathematical italic capital r
U+1D446	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	\mitS	mathematical italic capital s
U+1D447	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	\mitT	mathematical italic capital t
U+1D448	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	\mitU	mathematical italic capital u
U+1D449	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	\mitV	mathematical italic capital v
U+1D44A	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	\mitW	mathematical italic capital w
U+1D44B	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	\mitX	mathematical italic capital x
U+1D44C	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	\mitY	mathematical italic capital y
U+1D44D	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	\mitZ	mathematical italic capital z

15.1.4 Italic, Latin, lowercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D467	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mitz</code>	mathematical italic small z

15.1.5 Italic Greek, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6E2	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mitAlpha</code>	mathematical italic capital alpha
U+1D6E3	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<code>\mitBeta</code>	mathematical italic capital beta
U+1D6E4	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mitGamma</code>	mathematical italic capital gamma
U+1D6E5	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mitDelta</code>	mathematical italic capital delta
U+1D6E6	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mitEpsilon</code>	mathematical italic capital epsilon
U+1D6E7	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mitZeta</code>	mathematical italic capital zeta
U+1D6E8	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<code>\mitEta</code>	mathematical italic capital eta
U+1D6E9	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mitTheta</code>	mathematical italic capital theta
U+1D6EA	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<code>\mitIota</code>	mathematical italic capital iota
U+1D6EB	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<code>\mitKappa</code>	mathematical italic capital kappa
U+1D6EC	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<code>\mitLambda</code>	mathematical italic capital lambda
U+1D6ED	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<code>\mitMu</code>	mathematical italic capital mu
U+1D6EE	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<code>\mitNu</code>	mathematical italic capital nu
U+1D6EF	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<code>\mitXi</code>	mathematical italic capital xi
U+1D6F0	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<code>\mitOmicron</code>	mathematical italic capital omicron
U+1D6F1	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<code>\mitPi</code>	mathematical italic capital pi
U+1D6F2	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<code>\mitRho</code>	mathematical italic capital rho
U+1D6F3	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mitvarTheta</code>	mathematical italic capital theta symbol
U+1D6F4	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<code>\mitSigma</code>	mathematical italic capital sigma
U+1D6F5	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<code>\mitTau</code>	mathematical italic capital tau

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6F6	Υ	Υ	Υ	Υ	Υ	Υ	Υ	<code>\mitUpsilon</code>	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	Φ	Φ	<code>\mitPhi</code>	mathematical italic capital phi
U+1D6F8	\Chi	\Chi	\Chi	\Chi	\Chi	\Chi	\Chi	<code>\mitChi</code>	mathematical italic capital chi
U+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	<code>\mitPsi</code>	mathematical italic capital psi
U+1D6FA	Ω	Ω	Ω	Ω	Ω	Ω	Ω	<code>\mitOmega</code>	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6FC	α	α	α	α	α	α	α	<code>\mitalpha</code>	mathematical italic small alpha
U+1D6FD	β	β	β	β	β	β	β	<code>\mitbeta</code>	mathematical italic small beta
U+1D6FE	γ	γ	γ	γ	γ	γ	γ	<code>\mitgamma</code>	mathematical italic small gamma
U+1D6FF	δ	δ	δ	δ	δ	δ	δ	<code>\mitdelta</code>	mathematical italic small delta
U+1D700	ε	ε	ε	ε	ε	ε	ε	<code>\mitvarepsilon</code>	mathematical italic small varepsilon
U+1D701	ζ	ζ	ζ	ζ	ζ	ζ	ζ	<code>\mitzeta</code>	mathematical italic small zeta
U+1D702	η	η	η	η	η	η	η	<code>\miteta</code>	mathematical italic small eta
U+1D703	θ	θ	θ	θ	θ	θ	θ	<code>\mittheta</code>	mathematical italic small theta
U+1D704	ι	ι	ι	ι	ι	ι	ι	<code>\mitiota</code>	mathematical italic small iota
U+1D705	κ	κ	κ	κ	κ	κ	κ	<code>\mitkappa</code>	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ	λ	<code>\mitlambda</code>	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ	μ	<code>\mitmu</code>	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν	ν	<code>\mitnu</code>	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ	ξ	<code>\mitxi</code>	mathematical italic small xi
U+1D70A	\omicron	\omicron	\omicron	\omicron	\omicron	\omicron	\omicron	<code>\mitomicron</code>	mathematical italic small omicron
U+1D70B	π	π	π	π	π	π	π	<code>\mitpi</code>	mathematical italic small pi

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D70C	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mitrho</code>	mathematical italic small rho
U+1D70D	ς	ς	ς	ς	ς	ς	ς	<code>\mitvarsigma</code>	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ	σ	<code>\mitsigma</code>	mathematical italic small sigma
U+1D70F	τ	τ	τ	τ	τ	τ	τ	<code>\mittau</code>	mathematical italic small tau
U+1D710	υ	υ	υ	υ	υ	υ	υ	<code>\mitupsilon</code>	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	φ	φ	φ	<code>\mitvarphi</code>	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ	χ	<code>\mitchi</code>	mathematical italic small chi
U+1D713	ψ	ψ	ψ	ψ	ψ	ψ	ψ	<code>\mitpsi</code>	mathematical italic small psi
U+1D714	ω	ω	ω	ω	ω	ω	ω	<code>\mitomega</code>	mathematical italic small omega
U+1D715	∂	∂	∂	∂	∂	∂	∂	<code>\mitpartial</code>	mathematical italic partial differential
U+1D716	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
U+1D717	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	<code>\mitvartheta</code>	mathematical italic theta symbol
U+1D718	κ	κ	κ	κ	κ	κ	κ	<code>\mitvarkappa</code>	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	<code>\mitphi</code>	mathematical italic phi symbol
U+1D71A	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	<code>\mitvarrho</code>	mathematical italic rho symbol
U+1D71B	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	<code>\mitvarpi</code>	mathematical italic pi symbol

15.1.7 Script, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D49C	\mathcal{A}	\mathcal{A}	\mathcal{A}	\mathcal{A}	\mathcal{A}	\mathcal{A}	\mathcal{A}	<code>\mscrA</code>	mathematical script capital a
U+1D49E	\mathcal{C}	\mathcal{C}	\mathcal{C}	\mathcal{C}	\mathcal{C}	\mathcal{C}	\mathcal{C}	<code>\mscrC</code>	mathematical script capital c
U+1D49F	\mathcal{D}	\mathcal{D}	\mathcal{D}	\mathcal{D}	\mathcal{D}	\mathcal{D}	\mathcal{D}	<code>\mscrD</code>	mathematical script capital d
U+1D4A2	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	<code>\mscrG</code>	mathematical script capital g
U+1D4A5	\mathcal{J}	\mathcal{J}	\mathcal{J}	\mathcal{J}	\mathcal{J}	\mathcal{J}	\mathcal{J}	<code>\mscrJ</code>	mathematical script capital j

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4A6	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mscrK</code>	mathematical script capital k
U+1D4A9	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mscrN</code>	mathematical script capital n
U+1D4AA	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mscrO</code>	mathematical script capital o
U+1D4AB	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mscrP</code>	mathematical script capital p
U+1D4AC	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mscrQ</code>	mathematical script capital q
U+1D4AE	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mscrS</code>	mathematical script capital s
U+1D4AF	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mscrT</code>	mathematical script capital t
U+1D4B0	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mscrU</code>	mathematical script capital u
U+1D4B1	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mscrV</code>	mathematical script capital v
U+1D4B2	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mscrW</code>	mathematical script capital w
U+1D4B3	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mscrX</code>	mathematical script capital x
U+1D4B4	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mscrY</code>	mathematical script capital y
U+1D4B5	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mscrZ</code>	mathematical script capital z

15.1.8 Script, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4B6		<i>a</i>			<i>a</i>	<i>a</i>	<i>a</i>	<code>\mscra</code>	mathematical script small a
U+1D4B7		<i>b</i>			<i>b</i>	<i>b</i>	<i>b</i>	<code>\mscrb</code>	mathematical script small b
U+1D4B8		<i>c</i>			<i>c</i>	<i>c</i>	<i>c</i>	<code>\mscrc</code>	mathematical script small c
U+1D4B9		<i>d</i>			<i>d</i>	<i>d</i>	<i>d</i>	<code>\mscrd</code>	mathematical script small d
U+1D4BB		<i>f</i>			<i>f</i>	<i>f</i>	<i>f</i>	<code>\mscrf</code>	mathematical script small f
U+1D4BD		<i>h</i>			<i>h</i>	<i>h</i>	<i>h</i>	<code>\mscrh</code>	mathematical script small h
U+1D4BE		<i>i</i>			<i>i</i>	<i>i</i>	<i>i</i>	<code>\mscri</code>	mathematical script small i
U+1D4BF		<i>j</i>			<i>j</i>	<i>j</i>	<i>j</i>	<code>\mscrj</code>	mathematical script small j

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4C0		<i>k</i>			<i>k</i>	<i>k</i>	<i>k</i>	<code>\mscrk</code>	mathematical script small k
U+1D4C1		<i>l</i>			<i>l</i>	<i>l</i>	<i>l</i>	<code>\mscr1</code>	mathematical script small l
U+1D4C2		<i>m</i>			<i>m</i>	<i>m</i>	<i>m</i>	<code>\mscrn</code>	mathematical script small m
U+1D4C3		<i>n</i>			<i>n</i>	<i>n</i>	<i>n</i>	<code>\mscrn</code>	mathematical script small n
U+1D4C5		<i>p</i>			<i>p</i>	<i>p</i>	<i>p</i>	<code>\mscrp</code>	mathematical script small p
U+1D4C6		<i>q</i>			<i>q</i>	<i>q</i>	<i>q</i>	<code>\mscrq</code>	mathematical script small q
U+1D4C7		<i>r</i>			<i>r</i>	<i>r</i>	<i>r</i>	<code>\mscrr</code>	mathematical script small r
U+1D4C8		<i>s</i>			<i>s</i>	<i>s</i>	<i>s</i>	<code>\mscrs</code>	mathematical script small s
U+1D4C9		<i>t</i>			<i>t</i>	<i>t</i>	<i>t</i>	<code>\mscrt</code>	mathematical script small t
U+1D4CA		<i>u</i>			<i>u</i>	<i>u</i>	<i>u</i>	<code>\mscru</code>	mathematical script small u
U+1D4CB		<i>v</i>			<i>v</i>	<i>v</i>	<i>v</i>	<code>\mscrv</code>	mathematical script small v
U+1D4CC		<i>w</i>			<i>w</i>	<i>w</i>	<i>w</i>	<code>\mscrw</code>	mathematical script small w
U+1D4CD		<i>x</i>			<i>x</i>	<i>x</i>	<i>x</i>	<code>\mscrx</code>	mathematical script small x
U+1D4CE		<i>y</i>			<i>y</i>	<i>y</i>	<i>y</i>	<code>\mscry</code>	mathematical script small y
U+1D4CF		<i>z</i>			<i>z</i>	<i>z</i>	<i>z</i>	<code>\mscrz</code>	mathematical script small z

15.1.9 Fraktur, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D504	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mfrakA</code>	mathematical fraktur capital a
U+1D505	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mfrakB</code>	mathematical fraktur capital b
U+1D507	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mfrakD</code>	mathematical fraktur capital d
U+1D508	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mfrakE</code>	mathematical fraktur capital e
U+1D509	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<code>\mfrakF</code>	mathematical fraktur capital f
U+1D50A	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mfrakG</code>	mathematical fraktur capital g

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D50D	𝔍	𝔖	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracJ	mathematical fraktur capital j
U+1D50E	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	𝔖	\mfracK	mathematical fraktur capital k
U+1D50F	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracL	mathematical fraktur capital l
U+1D510	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracM	mathematical fraktur capital m
U+1D511	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracN	mathematical fraktur capital n
U+1D512	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracO	mathematical fraktur capital o
U+1D513	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracP	mathematical fraktur capital p
U+1D514	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracQ	mathematical fraktur capital q
U+1D516	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracS	mathematical fraktur capital s
U+1D517	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracT	mathematical fraktur capital t
U+1D518	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracU	mathematical fraktur capital u
U+1D519	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracV	mathematical fraktur capital v
U+1D51A	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracW	mathematical fraktur capital w
U+1D51B	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracX	mathematical fraktur capital x
U+1D51C	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	𝔗	\mfracY	mathematical fraktur capital y

15.1.10 Fraktur, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakb	mathematical fraktur small b
U+1D520	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakc	mathematical fraktur small c
U+1D521	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakd	mathematical fraktur small d
U+1D522	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrage	mathematical fraktur small e
U+1D523	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakf	mathematical fraktur small f

usv	LM	S	E	K	T	G	Li	Macro	Description
U+1D524	g	g	g	g	g	g	g	\mfrakg	mathematical fraktur small g
U+1D525	h	h	h	h	h	h	h	\mfrakh	mathematical fraktur small h
U+1D526	i	i	i	i	i	i	i	\mfraki	mathematical fraktur small i
U+1D527	j	j	j	j	j	j	j	\mfrakj	mathematical fraktur small j
U+1D528	k	k	k	k	k	k	k	\mfrakk	mathematical fraktur small k
U+1D529	l	l	l	l	l	l	l	\mfrakl	mathematical fraktur small l
U+1D52A	m	m	m	m	m	m	m	\mfrakm	mathematical fraktur small m
U+1D52B	n	n	n	n	n	n	n	\mfrakn	mathematical fraktur small n
U+1D52C	o	o	o	o	o	o	o	\mfrako	mathematical fraktur small o
U+1D52D	p	p	p	p	p	p	p	\mfrakp	mathematical fraktur small p
U+1D52E	q	q	q	q	q	q	q	\mfrakq	mathematical fraktur small q
U+1D52F	r	r	r	r	r	r	r	\mfrakr	mathematical fraktur small r
U+1D530	s	s	s	s	s	s	s	\mfraks	mathematical fraktur small s
U+1D531	t	t	t	t	t	t	t	\mfrakt	mathematical fraktur small t
U+1D532	u	u	u	u	u	u	u	\mfraku	mathematical fraktur small u
U+1D533	v	v	v	v	v	v	v	\mfrakv	mathematical fraktur small v
U+1D534	w	w	w	w	w	w	w	\mfrakw	mathematical fraktur small w
U+1D535	x	x	x	x	x	x	x	\mfrakx	mathematical fraktur small x
U+1D536	y	y	y	y	y	y	y	\mfraky	mathematical fraktur small y
U+1D537	z	z	z	z	z	z	z	\mfrakz	mathematical fraktur small z

15.1.11 Blackboard, Latin, uppercase

usv	LM	S	E	K	T	G	Li	Macro	Description
U+1D538	A	A	A	A	A	A	A	\BbbA	mathematical double-struck capital a

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

15.1.12 Blackboard, Latin, lowercase

usv	LM	S	E	K	T	G	Li	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	LM	S	E	K	T	G	Li	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	k	\Bbbk ^(a)	mathematical double-struck small k
U+1D55D	l	l	l		l	l	l	\Bbb l	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	\Bbb r	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	LM	S	E	K	T	G	Li	Macro	Description
U+1D5A0	A	A	A	A	A	A	A	<code>\msansA</code>	mathematical sans-serif capital a
U+1D5A1	B	B	B	B	B	B	B	<code>\msansB</code>	mathematical sans-serif capital b
U+1D5A2	C	C	C	C	C	C	C	<code>\msansC</code>	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D	D	<code>\msansD</code>	mathematical sans-serif capital d
U+1D5A4	E	E	E	E	E	E	E	<code>\msansE</code>	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F	F	<code>\msansF</code>	mathematical sans-serif capital f
U+1D5A6	G	G	G	G	G	G	G	<code>\msansG</code>	mathematical sans-serif capital g
U+1D5A7	H	H	H	H	H	H	H	<code>\msansH</code>	mathematical sans-serif capital h
U+1D5A8	I	I	I	I	I	I	I	<code>\msansI</code>	mathematical sans-serif capital i
U+1D5A9	J	J	J	J	J	J	J	<code>\msansJ</code>	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K	K	<code>\msansK</code>	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L	L	<code>\msansL</code>	mathematical sans-serif capital l
U+1D5AC	M	M	M	M	M	M	M	<code>\msansM</code>	mathematical sans-serif capital m
U+1D5AD	N	N	N	N	N	N	N	<code>\msansN</code>	mathematical sans-serif capital n
U+1D5AE	O	O	O	O	O	O	O	<code>\msansO</code>	mathematical sans-serif capital o
U+1D5AF	P	P	P	P	P	P	P	<code>\msansP</code>	mathematical sans-serif capital p
U+1D5B0	Q	Q	Q	Q	Q	Q	Q	<code>\msansQ</code>	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R	R	<code>\msansR</code>	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S	S	<code>\msansS</code>	mathematical sans-serif capital s
U+1D5B3	T	T	T	T	T	T	T	<code>\msansT</code>	mathematical sans-serif capital t
U+1D5B4	U	U	U	U	U	U	U	<code>\msansU</code>	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V	V	<code>\msansV</code>	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W	W	<code>\msansW</code>	mathematical sans-serif capital w

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D5B7	X	X	X	X	X	X	X	\msansX	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	Y	Y	\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z	Z	\msansZ	mathematical sans-serif capital z

15.1.14 Sans serif, Latin, lowercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D5CC	s	s	s	s	s	s	s	\msanss	mathematical sans-serif small s
U+1D5CD	t	t	t	t	t	t	t	\msanst	mathematical sans-serif small t
U+1D5CE	u	u	u	u	u	u	u	\msansu	mathematical sans-serif small u
U+1D5CF	v	v	v	v	v	v	v	\msansv	mathematical sans-serif small v
U+1D5D0	w	w	w	w	w	w	w	\msansw	mathematical sans-serif small w
U+1D5D1	x	x	x	x	x	x	x	\msansx	mathematical sans-serif small x
U+1D5D2	y	y	y	y	y	y	y	\msansy	mathematical sans-serif small y
U+1D5D3	z	z	z	z	z	z	z	\msansz	mathematical sans-serif small z

15.1.15 Italic sans serif, Latin, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D615	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mitsansN</code>	mathematical sans-serif italic capital n
U+1D616	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mitsansO</code>	mathematical sans-serif italic capital o
U+1D617	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mitsansP</code>	mathematical sans-serif italic capital p
U+1D618	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mitsansQ</code>	mathematical sans-serif italic capital q
U+1D619	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<code>\mitsansR</code>	mathematical sans-serif italic capital r
U+1D61A	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mitsansS</code>	mathematical sans-serif italic capital s
U+1D61B	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mitsansT</code>	mathematical sans-serif italic capital t
U+1D61C	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mitsansU</code>	mathematical sans-serif italic capital u
U+1D61D	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mitsansV</code>	mathematical sans-serif italic capital v
U+1D61E	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mitsansW</code>	mathematical sans-serif italic capital w
U+1D61F	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mitsansX</code>	mathematical sans-serif italic capital x
U+1D620	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mitsansY</code>	mathematical sans-serif italic capital y
U+1D621	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mitsansZ</code>	mathematical sans-serif italic capital z

15.1.16 Italic sans serif, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D622	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mitsansa</code>	mathematical sans-serif italic small a
U+1D623	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mitsansb</code>	mathematical sans-serif italic small b
U+1D624	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mitsansc</code>	mathematical sans-serif italic small c
U+1D625	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mitsansd</code>	mathematical sans-serif italic small d
U+1D626	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mitsanse</code>	mathematical sans-serif italic small e
U+1D627	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mitsansf</code>	mathematical sans-serif italic small f
U+1D628	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mitsansg</code>	mathematical sans-serif italic small g
U+1D629	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mitsansh</code>	mathematical sans-serif italic small h

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D62A	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mitsansi</code>	mathematical sans-serif italic small i
U+1D62B	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mitsansj</code>	mathematical sans-serif italic small j
U+1D62C	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mitsansk</code>	mathematical sans-serif italic small k
U+1D62D	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mitsansl</code>	mathematical sans-serif italic small l
U+1D62E	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mitsansm</code>	mathematical sans-serif italic small m
U+1D62F	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mitsansn</code>	mathematical sans-serif italic small n
U+1D630	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mitsanso</code>	mathematical sans-serif italic small o
U+1D631	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mitsansp</code>	mathematical sans-serif italic small p
U+1D632	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mitsansq</code>	mathematical sans-serif italic small q
U+1D633	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mitsansr</code>	mathematical sans-serif italic small r
U+1D634	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mitsanss</code>	mathematical sans-serif italic small s
U+1D635	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mitsanst</code>	mathematical sans-serif italic small t
U+1D636	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mitsansu</code>	mathematical sans-serif italic small u
U+1D637	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mitsansv</code>	mathematical sans-serif italic small v
U+1D638	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mitsansw</code>	mathematical sans-serif italic small w
U+1D639	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mitsansx</code>	mathematical sans-serif italic small x
U+1D63A	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mitsansy</code>	mathematical sans-serif italic small y
U+1D63B	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mitsansz</code>	mathematical sans-serif italic small z

15.1.17 Typewriter, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D670	A	A	A	A	A	A	A	<code>\mttA</code>	mathematical monospace capital a
U+1D671	B	B	B	B	B	B	B	<code>\mttB</code>	mathematical monospace capital b
U+1D672	C	C	C	C	C	C	C	<code>\mttC</code>	mathematical monospace capital c

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

15.1.18 Typewriter, Latin, lowercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6A1	x	x	x	x	x	x	x	\mttx	mathematical monospace small x
U+1D6A2	y	y	y	y	y	y	y	\mtty	mathematical monospace small y
U+1D6A3	z	z	z	z	z	z	z	\mttz	mathematical monospace small z

15.2 Bold

15.2.1 Bold, Latin, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D411	R	R	R	R	R	R	R	\mbfR	mathematical bold capital r
U+1D412	S	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	\mbfV	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	\mbfW	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	\mbfX	mathematical bold capital x
U+1D418	Y	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

15.2.2 Bold, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D41A	a	a	a	a	a	a	a	\mbfa	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	\mbfb	mathematical bold small b
U+1D41C	c	c	c	c	c	c	c	\mbfc	mathematical bold small c
U+1D41D	d	d	d	d	d	d	d	\mbfd	mathematical bold small d
U+1D41E	e	e	e	e	e	e	e	\mbfe	mathematical bold small e
U+1D41F	f	f	f	f	f	f	f	\mbff	mathematical bold small f
U+1D420	g	g	g	g	g	g	g	\mbfg	mathematical bold small g
U+1D421	h	h	h	h	h	h	h	\mbfh	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	\mbfi	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	\mbfj	mathematical bold small j
U+1D424	k	k	k	k	k	k	k	\mbfk	mathematical bold small k
U+1D425	l	l	l	l	l	l	l	\mbfl	mathematical bold small l

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D426	m	m	m	m	m	m	m	<code>\mbfm</code>	mathematical bold small m
U+1D427	n	n	n	n	n	n	n	<code>\mbfn</code>	mathematical bold small n
U+1D428	o	o	o	o	o	o	o	<code>\mbfo</code>	mathematical bold small o
U+1D429	p	p	p	p	p	p	p	<code>\mbfp</code>	mathematical bold small p
U+1D42A	q	q	q	q	q	q	q	<code>\mbfq</code>	mathematical bold small q
U+1D42B	r	r	r	r	r	r	r	<code>\mbfr</code>	mathematical bold small r
U+1D42C	s	s	s	s	s	s	s	<code>\mbfs</code>	mathematical bold small s
U+1D42D	t	t	t	t	t	t	t	<code>\mbft</code>	mathematical bold small t
U+1D42E	u	u	u	u	u	u	u	<code>\mbfu</code>	mathematical bold small u
U+1D42F	v	v	v	v	v	v	v	<code>\mbfv</code>	mathematical bold small v
U+1D430	w	w	w	w	w	w	w	<code>\mbfw</code>	mathematical bold small w
U+1D431	x	x	x	x	x	x	x	<code>\mbfx</code>	mathematical bold small x
U+1D432	y	y	y	y	y	y	y	<code>\mbfy</code>	mathematical bold small y
U+1D433	z	z	z	z	z	z	z	<code>\mbfz</code>	mathematical bold small z

15.2.3 Bold Greek, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6A8	Α	Α	Α	Α	Α	Α	Α	<code>\mbfAlpha</code>	mathematical bold capital alpha
U+1D6A9	Β	Β	Β	Β	Β	Β	Β	<code>\mbfBeta</code>	mathematical bold capital beta
U+1D6AA	Γ	Γ	Γ	Γ	Γ	Γ	Γ	<code>\mbfGamma</code>	mathematical bold capital gamma
U+1D6AB	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<code>\mbfDelta</code>	mathematical bold capital delta
U+1D6AC	Ε	Ε	Ε	Ε	Ε	Ε	Ε	<code>\mbfEpsilon</code>	mathematical bold capital epsilon
U+1D6AD	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	<code>\mbfZeta</code>	mathematical bold capital zeta
U+1D6AE	Η	Η	Η	Η	Η	Η	Η	<code>\mbfEta</code>	mathematical bold capital eta

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6AF	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfTheta	mathematical bold capital theta
U+1D6B0	I	I	I	I	I	I	I	\mbfIota	mathematical bold capital iota
U+1D6B1	K	K	K	K	K	K	K	\mbfKappa	mathematical bold capital kappa
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	M	M	M	M	M	M	M	\mbfMu	mathematical bold capital mu
U+1D6B4	N	N	N	N	N	N	N	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	O	O	O	O	O	O	O	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	P	P	P	P	P	P	P	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfvarTheta	mathematical bold capital theta symbol
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	T	T	T	T	T	T	T	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	X	X	X	X	X	X	X	\mbfChi	mathematical bold capital chi
U+1D6BF	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
U+1D6C0	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

15.2.4 Bold Greek, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	\mbfalphabet	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	γ	γ	γ	γ	γ	\mbfgamma	mathematical bold small gamma

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6C5	δ	δ	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta
U+1D6C6	ε	ε	ε	ε	ε	ε	ε	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfzeta	mathematical bold small zeta
U+1D6C8	η	η	η	η	η	η	η	\mbfeta	mathematical bold small eta
U+1D6C9	θ	θ	θ	θ	θ	θ	θ	\mbftheta	mathematical bold small theta
U+1D6CA	ι	ι	ι	ι	ι	ι	ι	\mbfiota	mathematical bold small iota
U+1D6CB	κ	κ	κ	κ	κ	κ	κ	\mbfkappa	mathematical bold small kappa
U+1D6CC	λ	λ	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
U+1D6CD	μ	μ	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
U+1D6CE	ν	ν	ν	ν	ν	ν	ν	\mbfnu	mathematical bold small nu
U+1D6CF	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
U+1D6D0	ο	ο	ο	ο	ο	ο	ο	\mbfomicron	mathematical bold small omicron
U+1D6D1	π	π	π	π	π	π	π	\mbfpi	mathematical bold small pi
U+1D6D2	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfrho	mathematical bold small rho
U+1D6D3	ς	ς	ς	ς	ς	ς	ς	\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	σ	σ	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
U+1D6D6	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	ω	ω	ω	ω	ω	ω	ω	\mbfomega	mathematical bold small omega
U+1D6DB	∂	∂	∂	∂	∂	∂	∂	\mbfpartial	mathematical bold partial differential
U+1D6DC	€	€	€	€	€	€	€	\mbfepsilon	mathematical bold varepsilon symbol

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	κ	κ	κ	κ	κ	κ	κ	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mbfphi	mathematical bold phi symbol
U+1D6E0	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	π	π	π	π	π	π	π	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D468	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	\mbfitA	mathematical bold italic capital a
U+1D469	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	\mbfitB	mathematical bold italic capital b
U+1D46A	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	\mbfitC	mathematical bold italic capital c
U+1D46B	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	\mbfitD	mathematical bold italic capital d
U+1D46C	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mbfitE	mathematical bold italic capital e
U+1D46D	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	\mbfitF	mathematical bold italic capital f
U+1D46E	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	\mbfitG	mathematical bold italic capital g
U+1D46F	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	\mbfitH	mathematical bold italic capital h
U+1D470	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	\mbfitI	mathematical bold italic capital i
U+1D471	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	\mbfitJ	mathematical bold italic capital j
U+1D472	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	\mbfitK	mathematical bold italic capital k
U+1D473	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	\mbfitL	mathematical bold italic capital l
U+1D474	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	\mbfitM	mathematical bold italic capital m
U+1D475	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	\mbfitN	mathematical bold italic capital n
U+1D476	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	\mbfitO	mathematical bold italic capital o
U+1D477	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	\mbfitP	mathematical bold italic capital p

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D478	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mbfitQ</code>	mathematical bold italic capital q
U+1D479	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<code>\mbfitR</code>	mathematical bold italic capital r
U+1D47A	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mbfitS</code>	mathematical bold italic capital s
U+1D47B	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mbfitT</code>	mathematical bold italic capital t
U+1D47C	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mbfitU</code>	mathematical bold italic capital u
U+1D47D	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mbfitV</code>	mathematical bold italic capital v
U+1D47E	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mbfitW</code>	mathematical bold italic capital w
U+1D47F	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mbfitX</code>	mathematical bold italic capital x
U+1D480	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mbfitY</code>	mathematical bold italic capital y
U+1D481	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfitZ</code>	mathematical bold italic capital z

15.2.6 Bold italic, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D482	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mbfita</code>	mathematical bold italic small a
U+1D483	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mbfitb</code>	mathematical bold italic small b
U+1D484	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mbfitc</code>	mathematical bold italic small c
U+1D485	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mbfitd</code>	mathematical bold italic small d
U+1D486	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mbfite</code>	mathematical bold italic small e
U+1D487	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mbfitf</code>	mathematical bold italic small f
U+1D488	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mbfitg</code>	mathematical bold italic small g
U+1D489	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mbfith</code>	mathematical bold italic small h
U+1D48A	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mbfiti</code>	mathematical bold italic small i
U+1D48B	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mbfitj</code>	mathematical bold italic small j
U+1D48C	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfitk</code>	mathematical bold italic small k

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D48D	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfitl</code>	mathematical bold italic small l
U+1D48E	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mbfitm</code>	mathematical bold italic small m
U+1D48F	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mbfitn</code>	mathematical bold italic small n
U+1D490	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mbfito</code>	mathematical bold italic small o
U+1D491	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mbfitp</code>	mathematical bold italic small p
U+1D492	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mbfitq</code>	mathematical bold italic small q
U+1D493	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mbfitr</code>	mathematical bold italic small r
U+1D494	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mbfits</code>	mathematical bold italic small s
U+1D495	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfitt</code>	mathematical bold italic small t
U+1D496	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mbfitu</code>	mathematical bold italic small u
U+1D497	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mbfitv</code>	mathematical bold italic small v
U+1D498	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mbfitw</code>	mathematical bold italic small w
U+1D499	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfitx</code>	mathematical bold italic small x
U+1D49A	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mbfity</code>	mathematical bold italic small y
U+1D49B	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mbfitz</code>	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D71C	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mbfitAlpha</code>	mathematical bold italic capital alpha
U+1D71D	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<code>\mbfitBeta</code>	mathematical bold italic capital beta
U+1D71E	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mbfitGamma</code>	mathematical bold italic capital gamma
U+1D71F	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mbfitDelta</code>	mathematical bold italic capital delta
U+1D720	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mbfitEpsilon</code>	mathematical bold italic capital epsilon
U+1D721	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mbfitZeta</code>	mathematical bold italic capital zeta

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D722	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mbfitEta</code>	mathematical bold italic capital eta
U+1D723	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mbfitTheta</code>	mathematical bold italic capital theta
U+1D724	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mbfitIota</code>	mathematical bold italic capital iota
U+1D725	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mbfitKappa</code>	mathematical bold italic capital kappa
U+1D726	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<code>\mbfitLambda</code>	mathematical bold italic capital lambda
U+1D727	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mbfitMu</code>	mathematical bold italic capital mu
U+1D728	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mbfitNu</code>	mathematical bold italic capital nu
U+1D729	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<code>\mbfitXi</code>	mathematical bold italic capital xi
U+1D72A	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mbfitOmicron</code>	mathematical bold italic capital omicron
U+1D72B	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<code>\mbfitPi</code>	mathematical bold italic capital pi
U+1D72C	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mbfitRho</code>	mathematical bold italic capital rho
U+1D72D	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mbfitvarTheta</code>	mathematical bold italic capital theta symbol
U+1D72E	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<code>\mbfitSigma</code>	mathematical bold italic capital sigma
U+1D72F	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mbfitTau</code>	mathematical bold italic capital tau
U+1D730	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<code>\mbfitUpsilon</code>	mathematical bold italic capital upsilon
U+1D731	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<code>\mbfitOmega</code>	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D736	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<code>\mbfitbeta</code>	mathematical bold italic small beta

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D738	γ	γ	γ	γ	γ	γ	γ	<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	δ	δ	δ	δ	δ	δ	δ	<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	ε	ε	ε	ε	ε	ε	ε	<code>\mbfitvarepsilon</code>	mathematical bold italic small varepsilon
U+1D73B	ζ	ζ	ζ	ζ	ζ	ζ	ζ	<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	η	η	η	η	η	η	η	<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	θ	θ	θ	θ	θ	θ	θ	<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	ι	ι	ι	ι	ι	ι	ι	<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	κ	κ	κ	κ	κ	κ	κ	<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	λ	λ	λ	λ	λ	λ	λ	<code>\mbfitlambda</code>	mathematical bold italic small lambda
U+1D741	μ	μ	μ	μ	μ	μ	μ	<code>\mbfitmu</code>	mathematical bold italic small mu
U+1D742	ν	ν	ν	ν	ν	ν	ν	<code>\mbfitnu</code>	mathematical bold italic small nu
U+1D743	ξ	ξ	ξ	ξ	ξ	ξ	ξ	<code>\mbfitxi</code>	mathematical bold italic small xi
U+1D744	\omicron	\omicron	\omicron	\omicron	\omicron	\omicron	\omicron	<code>\mbfitomicron</code>	mathematical bold italic small omicron
U+1D745	π	π	π	π	π	π	π	<code>\mbfitpi</code>	mathematical bold italic small pi
U+1D746	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mbfitrho</code>	mathematical bold italic small rho
U+1D747	ς	ς	ς	ς	ς	ς	ς	<code>\mbfitvarsigma</code>	mathematical bold italic small final sigma
U+1D748	σ	σ	σ	σ	σ	σ	σ	<code>\mbfitsigma</code>	mathematical bold italic small sigma
U+1D749	τ	τ	τ	τ	τ	τ	τ	<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	υ	υ	υ	υ	υ	υ	υ	<code>\mbfitupsilon</code>	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ	φ	<code>\mbfitvarphi</code>	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	χ	χ	χ	<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	ψ	ψ	ψ	ψ	ψ	ψ	ψ	<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	ω	ω	ω	ω	ω	ω	ω	<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	∂	∂	∂	∂	∂	∂	∂	<code>\mbfitpartial</code>	mathematical bold italic partial differential

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D750	€	€	€	€	€	€	€	\mbfitepsilon	mathematical bold italic varepsilon symbol
U+1D751	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	κ	κ	κ	κ	κ	κ	κ	\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	φ	φ	φ	φ	φ	φ	φ	\mbfitphi	mathematical bold italic phi symbol
U+1D754	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	π	π	π	π	π	π	π	\mbfitvarpi	mathematical bold italic pi symbol

15.2.9 Bold script, Latin, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4DF	<i>P</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<code>\mbfscrP</code>	mathematical bold script capital p
U+1D4E0	<i>Q</i>	<i>Ṙ</i>	<i>Ṙ</i>	<i>Ṙ</i>	<i>Ṙ</i>	<i>Ṙ</i>	<i>Ṙ</i>	<code>\mbfscrQ</code>	mathematical bold script capital q
U+1D4E1	<i>R</i>	<i>Ṛ</i>	<i>Ṛ</i>	<i>Ṛ</i>	<i>Ṛ</i>	<i>Ṛ</i>	<i>Ṛ</i>	<code>\mbfscrR</code>	mathematical bold script capital r
U+1D4E2	<i>S</i>	<i>Ṣ</i>	<i>Ṣ</i>	<i>Ṣ</i>	<i>Ṣ</i>	<i>Ṣ</i>	<i>Ṣ</i>	<code>\mbfscrS</code>	mathematical bold script capital s
U+1D4E3	<i>T</i>	<i>Ṥ</i>	<i>Ṥ</i>	<i>Ṥ</i>	<i>Ṥ</i>	<i>Ṥ</i>	<i>Ṥ</i>	<code>\mbfscrT</code>	mathematical bold script capital t
U+1D4E4	<i>U</i>	<i>Ṧ</i>	<i>Ṧ</i>	<i>Ṧ</i>	<i>Ṧ</i>	<i>Ṧ</i>	<i>Ṧ</i>	<code>\mbfscrU</code>	mathematical bold script capital u
U+1D4E5	<i>V</i>	<i>Ṩ</i>	<i>Ṩ</i>	<i>Ṩ</i>	<i>Ṩ</i>	<i>Ṩ</i>	<i>Ṩ</i>	<code>\mbfscrV</code>	mathematical bold script capital v
U+1D4E6	<i>W</i>	<i>Ṫ</i>	<i>Ṫ</i>	<i>Ṫ</i>	<i>Ṫ</i>	<i>Ṫ</i>	<i>Ṫ</i>	<code>\mbfscrW</code>	mathematical bold script capital w
U+1D4E7	<i>X</i>	<i>Ṭ</i>	<i>Ṭ</i>	<i>Ṭ</i>	<i>Ṭ</i>	<i>Ṭ</i>	<i>Ṭ</i>	<code>\mbfscrX</code>	mathematical bold script capital x
U+1D4E8	<i>Y</i>	<i>Ṹ</i>	<i>Ṹ</i>	<i>Ṹ</i>	<i>Ṹ</i>	<i>Ṹ</i>	<i>Ṹ</i>	<code>\mbfscrY</code>	mathematical bold script capital y
U+1D4E9	<i>Z</i>	<i>Ṻ</i>	<i>Ṻ</i>	<i>Ṻ</i>	<i>Ṻ</i>	<i>Ṻ</i>	<i>Ṻ</i>	<code>\mbfscrZ</code>	mathematical bold script capital z

15.2.10 Bold script, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4EA		<i>a</i>			<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<code>\mbfscra</code>	mathematical bold script small a
U+1D4EB		<i>b</i>			<i>ṃ</i>	<i>ṃ</i>	<i>ṃ</i>	<code>\mbfscrb</code>	mathematical bold script small b
U+1D4EC		<i>c</i>			<i>ṅ</i>	<i>ṅ</i>	<i>ṅ</i>	<code>\mbfscrc</code>	mathematical bold script small c
U+1D4ED		<i>d</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscrd</code>	mathematical bold script small d
U+1D4EE		<i>e</i>			<i>ṅ</i>	<i>ṅ</i>	<i>ṅ</i>	<code>\mbfscre</code>	mathematical bold script small e
U+1D4EF		<i>f</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscrf</code>	mathematical bold script small f
U+1D4F0		<i>g</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscrg</code>	mathematical bold script small g
U+1D4F1		<i>h</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscrh</code>	mathematical bold script small h
U+1D4F2		<i>i</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscri</code>	mathematical bold script small i
U+1D4F3		<i>j</i>			<i>ṇ</i>	<i>ṇ</i>	<i>ṇ</i>	<code>\mbfscrj</code>	mathematical bold script small j

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D4F4		<i>k</i>			<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfscrk</code>	mathematical bold script small k
U+1D4F5		<i>l</i>			<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfscr l</code>	mathematical bold script small l
U+1D4F6		<i>m</i>			<i>m</i>	<i>m</i>	<i>m</i>	<code>\mbfscrm</code>	mathematical bold script small m
U+1D4F7		<i>n</i>			<i>n</i>	<i>n</i>	<i>n</i>	<code>\mbfscrn</code>	mathematical bold script small n
U+1D4F8		<i>o</i>			<i>o</i>	<i>o</i>	<i>o</i>	<code>\mbfscro</code>	mathematical bold script small o
U+1D4F9		<i>p</i>			<i>p</i>	<i>p</i>	<i>p</i>	<code>\mbfscrp</code>	mathematical bold script small p
U+1D4FA		<i>q</i>			<i>q</i>	<i>q</i>	<i>q</i>	<code>\mbfscrq</code>	mathematical bold script small q
U+1D4FB		<i>r</i>			<i>r</i>	<i>r</i>	<i>r</i>	<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<i>s</i>			<i>s</i>	<i>s</i>	<i>s</i>	<code>\mbfscrs</code>	mathematical bold script small s
U+1D4FD		<i>t</i>			<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<i>u</i>			<i>u</i>	<i>u</i>	<i>u</i>	<code>\mbfscru</code>	mathematical bold script small u
U+1D4FF		<i>v</i>			<i>v</i>	<i>v</i>	<i>v</i>	<code>\mbfscrv</code>	mathematical bold script small v
U+1D500		<i>w</i>			<i>w</i>	<i>w</i>	<i>w</i>	<code>\mbfscrw</code>	mathematical bold script small w
U+1D501		<i>x</i>			<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfscrx</code>	mathematical bold script small x
U+1D502		<i>y</i>			<i>y</i>	<i>y</i>	<i>y</i>	<code>\mbfscry</code>	mathematical bold script small y
U+1D503		<i>z</i>			<i>z</i>	<i>z</i>	<i>z</i>	<code>\mbfscrz</code>	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D56C	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mbffrakA</code>	mathematical bold fraktur capital a
U+1D56D	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mbffrakB</code>	mathematical bold fraktur capital b
U+1D56E	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mbffrakC</code>	mathematical bold fraktur capital c
U+1D56F	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mbffrakD</code>	mathematical bold fraktur capital d
U+1D570	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mbffrakE</code>	mathematical bold fraktur capital e

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D571								\mbffrakF	mathematical bold fraktur capital f
U+1D572								\mbffrakG	mathematical bold fraktur capital g
U+1D573								\mbffrakH	mathematical bold fraktur capital h
U+1D574								\mbffrakI	mathematical bold fraktur capital i
U+1D575								\mbffrakJ	mathematical bold fraktur capital j
U+1D576								\mbffrakK	mathematical bold fraktur capital k
U+1D577								\mbffrakL	mathematical bold fraktur capital l
U+1D578								\mbffrakM	mathematical bold fraktur capital m
U+1D579								\mbffrakN	mathematical bold fraktur capital n
U+1D57A								\mbffrakO	mathematical bold fraktur capital o
U+1D57B								\mbffrakP	mathematical bold fraktur capital p
U+1D57C								\mbffrakQ	mathematical bold fraktur capital q
U+1D57D								\mbffrakR	mathematical bold fraktur capital r
U+1D57E								\mbffrakS	mathematical bold fraktur capital s
U+1D57F								\mbffrakT	mathematical bold fraktur capital t
U+1D580								\mbffrakU	mathematical bold fraktur capital u
U+1D581								\mbffrakV	mathematical bold fraktur capital v
U+1D582								\mbffrakW	mathematical bold fraktur capital w
U+1D583								\mbffrakX	mathematical bold fraktur capital x
U+1D584								\mbffrakY	mathematical bold fraktur capital y
U+1D585								\mbffrakZ	mathematical bold fraktur capital z

15.2.12 Bold fraktur, Latin, lowercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D59E	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	\mbffraky	mathematical bold fraktur small y
U+1D59F	Ẓ	Ẓ	Ẓ	Ẓ	Ẓ	Ẓ	Ẓ	\mbffrakz	mathematical bold fraktur small z

15.2.13 Bold sans serif, Latin, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D5E7	T	T	T	T	T	T	T	<code>\mbfsansT</code>	mathematical sans-serif bold capital t
U+1D5E8	U	U	U	U	U	U	U	<code>\mbfsansU</code>	mathematical sans-serif bold capital u
U+1D5E9	V	V	V	V	V	V	V	<code>\mbfsansV</code>	mathematical sans-serif bold capital v
U+1D5EA	W	W	W	W	W	W	W	<code>\mbfsansW</code>	mathematical sans-serif bold capital w
U+1D5EB	X	X	X	X	X	X	X	<code>\mbfsansX</code>	mathematical sans-serif bold capital x
U+1D5EC	Y	Y	Y	Y	Y	Y	Y	<code>\mbfsansY</code>	mathematical sans-serif bold capital y
U+1D5ED	Z	Z	Z	Z	Z	Z	Z	<code>\mbfsansZ</code>	mathematical sans-serif bold capital z

15.2.14 Bold sans serif, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D5EE	a	a	a	a	a	a	a	<code>\mbfsansa</code>	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b	b	b	<code>\mbfsansb</code>	mathematical sans-serif bold small b
U+1D5F0	c	c	c	c	c	c	c	<code>\mbfsansc</code>	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d	d	d	<code>\mbfsansd</code>	mathematical sans-serif bold small d
U+1D5F2	e	e	e	e	e	e	e	<code>\mbfsanse</code>	mathematical sans-serif bold small e
U+1D5F3	f	f	f	f	f	f	f	<code>\mbfsansf</code>	mathematical sans-serif bold small f
U+1D5F4	g	g	g	g	g	g	g	<code>\mbfsansg</code>	mathematical sans-serif bold small g
U+1D5F5	h	h	h	h	h	h	h	<code>\mbfsansh</code>	mathematical sans-serif bold small h
U+1D5F6	i	i	i	i	i	i	i	<code>\mbfsansi</code>	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j	j	j	<code>\mbfsansj</code>	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k	k	k	<code>\mbfsansk</code>	mathematical sans-serif bold small k
U+1D5F9	l	l	l	l	l	l	l	<code>\mbfsansl</code>	mathematical sans-serif bold small l
U+1D5FA	m	m	m	m	m	m	m	<code>\mbfsansm</code>	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n	n	n	<code>\mbfsansn</code>	mathematical sans-serif bold small n

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D5FC	o	o	o	o	o	o	o	<code>\mbfsanso</code>	mathematical sans-serif bold small o
U+1D5FD	p	p	p	p	p	p	p	<code>\mbfsansp</code>	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q	q	q	<code>\mbfsansq</code>	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r	r	r	<code>\mbfsansr</code>	mathematical sans-serif bold small r
U+1D600	s	s	s	s	s	s	s	<code>\mbfsanss</code>	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t	t	t	<code>\mbfsanst</code>	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u	u	u	<code>\mbfsansu</code>	mathematical sans-serif bold small u
U+1D603	v	v	v	v	v	v	v	<code>\mbfsansv</code>	mathematical sans-serif bold small v
U+1D604	w	w	w	w	w	w	w	<code>\mbfsansw</code>	mathematical sans-serif bold small w
U+1D605	x	x	x	x	x	x	x	<code>\mbfsansx</code>	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y	y	y	<code>\mbfsansy</code>	mathematical sans-serif bold small y
U+1D607	z	z	z	z	z	z	z	<code>\mbfsansz</code>	mathematical sans-serif bold small z

15.2.15 Bold italic sans serif, Latin, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D63C	A	A	A	A	A	A	A	<code>\mbfitsansA</code>	mathematical sans-serif bold italic capital a
U+1D63D	B	B	B	B	B	B	B	<code>\mbfitsansB</code>	mathematical sans-serif bold italic capital b
U+1D63E	C	C	C	C	C	C	C	<code>\mbfitsansC</code>	mathematical sans-serif bold italic capital c
U+1D63F	D	D	D	D	D	D	D	<code>\mbfitsansD</code>	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	E	E	E	<code>\mbfitsansE</code>	mathematical sans-serif bold italic capital e
U+1D641	F	F	F	F	F	F	F	<code>\mbfitsansF</code>	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	G	G	G	<code>\mbfitsansG</code>	mathematical sans-serif bold italic capital g
U+1D643	H	H	H	H	H	H	H	<code>\mbfitsansH</code>	mathematical sans-serif bold italic capital h
U+1D644	I	I	I	I	I	I	I	<code>\mbfitsansI</code>	mathematical sans-serif bold italic capital i

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D645	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	\mbfitsansJ	mathematical sans-serif bold italic capital j
U+1D646	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	\mbfitsansK	mathematical sans-serif bold italic capital k
U+1D647	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	\mbfitsansL	mathematical sans-serif bold italic capital l
U+1D648	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	\mbfitsansM	mathematical sans-serif bold italic capital m
U+1D649	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	\mbfitsansN	mathematical sans-serif bold italic capital n
U+1D64A	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	\mbfitsansO	mathematical sans-serif bold italic capital o
U+1D64B	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	\mbfitsansP	mathematical sans-serif bold italic capital p
U+1D64C	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	\mbfitsansQ	mathematical sans-serif bold italic capital q
U+1D64D	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	\mbfitsansR	mathematical sans-serif bold italic capital r
U+1D64E	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	\mbfitsansS	mathematical sans-serif bold italic capital s
U+1D64F	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	\mbfitsansT	mathematical sans-serif bold italic capital t
U+1D650	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	\mbfitsansU	mathematical sans-serif bold italic capital u
U+1D651	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	\mbfitsansV	mathematical sans-serif bold italic capital v
U+1D652	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	\mbfitsansW	mathematical sans-serif bold italic capital w
U+1D653	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	\mbfitsansX	mathematical sans-serif bold italic capital x
U+1D654	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	\mbfitsansY	mathematical sans-serif bold italic capital y
U+1D655	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	\mbfitsansZ	mathematical sans-serif bold italic capital z

15.2.16 Bold italic sans serif, Latin, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D656	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	\mbfitsansc	mathematical sans-serif bold italic small c
U+1D659	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	\mbfitsansd	mathematical sans-serif bold italic small d

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D65A	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mbfitsanse</code>	mathematical sans-serif bold italic small e
U+1D65B	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mbfitsansf</code>	mathematical sans-serif bold italic small f
U+1D65C	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mbfitsansg</code>	mathematical sans-serif bold italic small g
U+1D65D	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mbfitsansh</code>	mathematical sans-serif bold italic small h
U+1D65E	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mbfitsansi</code>	mathematical sans-serif bold italic small i
U+1D65F	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mbfitsansj</code>	mathematical sans-serif bold italic small j
U+1D660	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfitsansk</code>	mathematical sans-serif bold italic small k
U+1D661	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfitsansl</code>	mathematical sans-serif bold italic small l
U+1D662	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mbfitsansm</code>	mathematical sans-serif bold italic small m
U+1D663	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mbfitsansn</code>	mathematical sans-serif bold italic small n
U+1D664	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mbfitsanso</code>	mathematical sans-serif bold italic small o
U+1D665	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mbfitsansp</code>	mathematical sans-serif bold italic small p
U+1D666	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mbfitsansq</code>	mathematical sans-serif bold italic small q
U+1D667	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mbfitsansr</code>	mathematical sans-serif bold italic small r
U+1D668	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mbfitsanss</code>	mathematical sans-serif bold italic small s
U+1D669	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfitsanst</code>	mathematical sans-serif bold italic small t
U+1D66A	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mbfitsansu</code>	mathematical sans-serif bold italic small u
U+1D66B	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mbfitsansv</code>	mathematical sans-serif bold italic small v
U+1D66C	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mbfitsansw</code>	mathematical sans-serif bold italic small w
U+1D66D	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfitsansx</code>	mathematical sans-serif bold italic small x
U+1D66E	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mbfitsansy</code>	mathematical sans-serif bold italic small y
U+1D66F	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfsansOmega	mathematical sans-serif bold capital omega

15.2.18 Bold sans serif Greek, lowercase

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

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D784	ϐ	ϑ	ϒ	ϔ	ϕ	ϗ	Ϙ	\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	ϑ	ϕ	ϗ	ϔ	ϕ	ϗ	Ϙ	\mbfsansvarphi	mathematical sans-serif bold small phi
U+1D786	Ϙ	ϙ	Ϛ	ϛ	Ϝ	ϝ	Ϟ	\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ϟ	Ϡ	ϡ	Ϣ	ϣ	Ϥ	ϥ	\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	Ϧ	ϧ	Ϩ	ϩ	Ϫ	ϫ	Ϭ	\mbfsansomega	mathematical sans-serif bold small omega
U+1D789	ϭ	Ϯ	ϯ	ϰ	ϱ			\mbfsanspartial	mathematical sans-serif bold partial differential
U+1D78A	Ϸ	ϸ	Ϲ	Ϻ	ϻ	ϼ		\mbfsansepsilon	mathematical sans-serif bold varepsilon symbol
U+1D78B	Ͽ	⋈	⋉	⋊	⋋	⋌	⋍	\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	⋎	⋏	⋐		⋑			\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	⋒	⋓	⋔	⋕	⋖			\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	⋘	⋙	⋚	⋛	⋜			\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	⋞	⋟	⋠	⋡	⋢			\mbfsansvarpi	mathematical sans-serif bold pi symbol

15.2.19 Bold italic sans serif Greek, uppercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D790	Α	Β	Γ	Δ	Ε		Α	\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
U+1D791	Β	Γ	Δ	Ε	Ζ		Β	\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	Γ	Δ	Ε	Ζ	Η		Γ	\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	Δ	Ε	Ζ	Η	Θ		Δ	\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	Ε	Ζ	Η	Θ	Ι		Ε	\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	Ζ	Η	Θ	Ι	Κ		Ζ	\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	Η	Θ	Ι	Κ	Λ		Η	\mbfitsansEta	mathematical sans-serif bold italic capital eta
U+1D797	Θ	Ι	Κ	Λ	Μ		Θ	\mbfitsansTheta	mathematical sans-serif bold italic capital theta
U+1D798	Ι	Κ	Λ	Μ	Ν		Ι	\mbfitsansIota	mathematical sans-serif bold italic capital iota

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

15.2.20 Bold italic sans serif Greek, lowercase

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D7AA	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>		<i>α</i>	<code>\mbfitsansalpha</code>	mathematical sans-serif bold italic small alpha
U+1D7AB	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>		<i>β</i>	<code>\mbfitsansbeta</code>	mathematical sans-serif bold italic small beta
U+1D7AC	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>		<i>γ</i>	<code>\mbfitsansgamma</code>	mathematical sans-serif bold italic small gamma
U+1D7AD	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>		<i>δ</i>	<code>\mbfitsansdelta</code>	mathematical sans-serif bold italic small delta
U+1D7AE	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>		<i>ε</i>	<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic small varepsilon

USV	LM	S	E	K	T	G	Li	Macro	Description
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			\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	ϑ	ϑ	ϑ	ϑ	ϑ		ϑ	\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	κ	κ	κ		κ			\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D7C7	ϕ	ϕ	ϕ	ϕ	ϕ			<code>\mbfitsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8	ρ	ρ	ρ	ρ	ρ			<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9	ϖ	ϖ	ϖ	ϖ	ϖ			<code>\mbfitsansvarpi</code>	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

USV	LM	S	E	K	T	G	Li	Macro	Description
U+000F0	\eth	\eth	\eth	\eth	\eth	\eth	\eth	<code>\matheth</code>	eth
U+02010	-	-	-	-	-	-	-	<code>\mathhyphen</code>	hyphen
U+02102	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	<code>\BbbC</code>	/bbb c, open face c
U+0210A		\mathscr{g}	\mathscr{g}		\mathscr{g}	\mathscr{g}	\mathscr{g}	<code>\mscrg</code>	/scr g, script letter g
U+0210B	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	<code>\mscrH</code>	hamiltonian (script capital h)
U+0210C	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	<code>\mfracH</code>	/frak h, upper case h
U+0210D	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	<code>\BbbH</code>	/bbb h, open face h
U+0210F	\hslash	\hslash	\hslash	\hslash	\hslash	\hslash	\hslash	<code>\hslash^(a)</code>	/hslash - variant planck's over 2pi
U+02110	\mathscr{I}	\mathscr{I}	\mathscr{I}	\mathscr{I}	\mathscr{I}	\mathscr{I}	\mathscr{I}	<code>\mscrI</code>	/scr i, script letter i
U+02111	\Im	\Im	\Im	\Im	\Im	\Im	\Im	<code>\Im^(p)</code>	imaginary part
U+02112	\mathcal{L}	\mathcal{L}	\mathcal{L}	\mathcal{L}	\mathcal{L}	\mathcal{L}	\mathcal{L}	<code>\mscrL</code>	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	<code>\ell^(p)</code>	cursive small l
U+02115	\textcircled{N}	\textcircled{N}	\textcircled{N}	\textcircled{N}	\textcircled{N}	\textcircled{N}	\textcircled{N}	<code>\BbbN</code>	/bbb n, open face n
U+02118	\wp	\wp	\wp	\wp	\wp	\wp	\wp	<code>\wp^(p)</code>	weierstrass p
U+02119	\textcircled{P}	\textcircled{P}	\textcircled{P}	\textcircled{P}	\textcircled{P}	\textcircled{P}	\textcircled{P}	<code>\BbbP</code>	/bbb p, open face p
U+0211A	\textcircled{Q}	\textcircled{Q}	\textcircled{Q}	\textcircled{Q}	\textcircled{Q}	\textcircled{Q}	\textcircled{Q}	<code>\BbbQ</code>	/bbb q, open face q
U+0211B	\mathcal{R}	\mathcal{R}	\mathcal{R}	\mathcal{R}	\mathcal{R}	\mathcal{R}	\mathcal{R}	<code>\mscrR</code>	/scr r, script letter r
U+0211C	\Re	\Re	\Re	\Re	\Re	\Re	\Re	<code>\Re^(p)</code>	real part

USV	LM	S	E	K	T	G	Li	Macro	Description
U+0211D	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	<code>\BbbR</code>	/bbb r, open face r
U+02124	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	<code>\BbbZ</code>	/bbb z, open face z
U+02128	\mathfrak{Z}	\mathfrak{Z}	\mathfrak{Z}	\mathfrak{Z}	\mathfrak{Z}	\mathfrak{Z}	\mathfrak{Z}	<code>\mfracZ</code>	/frak z, upper case z
U+02129		$\text{\textcolor{teal}{i}}$						<code>\turnediota</code>	turned iota
U+0212B	$\text{\textcolor{teal}{A}}$	$\text{\textcolor{teal}{A}}$	$\text{\textcolor{teal}{A}}$		$\text{\textcolor{teal}{A}}$	$\text{\textcolor{teal}{A}}$		<code>\Angstrom</code>	angstrom capital a, ring
U+0212C	\mathcal{B}	\mathcal{B}	\mathcal{B}	\mathcal{B}	\mathcal{B}	\mathcal{B}	\mathcal{B}	<code>\mscrB</code>	bernoulli function (script capital b)
U+0212D	\mathfrak{C}	\mathfrak{C}	\mathfrak{C}	\mathfrak{C}	\mathfrak{C}	\mathfrak{C}	\mathfrak{C}	<code>\mfracC</code>	black-letter capital c
U+0212F		$\text{\textcolor{teal}{e}}$	$\text{\textcolor{teal}{e}}$		$\text{\textcolor{teal}{e}}$	$\text{\textcolor{teal}{e}}$	$\text{\textcolor{teal}{e}}$	<code>\mscre</code>	/scr e, script letter e
U+02130	\mathcal{E}	\mathcal{E}	\mathcal{E}	\mathcal{E}	\mathcal{E}	\mathcal{E}	\mathcal{E}	<code>\mscrE</code>	/scr e, script letter e
U+02131	\mathcal{F}	\mathcal{F}	\mathcal{F}	\mathcal{F}	\mathcal{F}	\mathcal{F}	\mathcal{F}	<code>\mscrF</code>	/scr f, script letter f
U+02133	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	<code>\mscrM</code>	physics m-matrix (script capital m)
U+02134		$\text{\textcolor{teal}{o}}$	$\text{\textcolor{teal}{o}}$		$\text{\textcolor{teal}{o}}$	$\text{\textcolor{teal}{o}}$	$\text{\textcolor{teal}{o}}$	<code>\mscro</code>	order of (script small o)
U+02135	\aleph	\aleph	\aleph	\aleph	\aleph	\aleph	\aleph	<code>\aleph^(p)</code>	aleph, hebrew
U+02136	\beth	\beth	\beth	\beth	\beth	\beth	\beth	<code>\beth^(a)</code>	beth, hebrew
U+02137	\gimel	\gimel	\gimel	\gimel	\gimel	\gimel	\gimel	<code>\gimel^(a)</code>	gimel, hebrew
U+02138	\daleth	\daleth	\daleth	\daleth	\daleth	\daleth	\daleth	<code>\daleth^(a)</code>	daleth, hebrew
U+0213D	\mathbb{G}	\mathbb{G}	\mathbb{G}		\mathbb{G}	\mathbb{G}		<code>\Bbbgamma</code>	double-struck small gamma
U+0213E	\mathbb{G}	\mathbb{G}	\mathbb{G}		\mathbb{G}	\mathbb{G}		<code>\BbbGamma</code>	double-struck capital gamma
U+0213F	\mathbb{P}	\mathbb{P}	\mathbb{P}		\mathbb{P}	\mathbb{P}		<code>\BbbPi</code>	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	∂	<code>\partial^(p)</code>	partial differential
U+02207	∇	∇	∇	∇	∇	∇	∇	<code>\nabla^(p)</code>	nabla, del, hamilton operator
U+1D6A4	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	$\text{\textcolor{teal}{i}}$	<code>\imath^(p)</code>	mathematical italic small dotless i
U+1D6A5	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	$\text{\textcolor{teal}{j}}$	<code>\jmath^(p)</code>	mathematical italic small dotless j
U+1D6C1	∇	∇	∇	∇	∇	∇	∇	<code>\mbfnabla</code>	mathematical bold nabla

USV	LM	S	E	K	T	G	Li	Macro	Description
U+1D6FB	↵	↵	↵	↵	↵	↵	↵	\mitnabla	mathematical italic nabla
U+1D735	↵	↵	↵	↵	↵	↵	↵	\mbfitnabla	mathematical bold italic nabla
U+1D76F	↵	↵	↵	↵	↵	↵	↵	\mbfsansnabla	mathematical sans-serif bold nabla
U+1D7A9	↵	↵	↵	↵	↵		↵	\mbfitsansnabla	mathematical sans-serif bold italic nabla
U+1D7CA		F					F	\mbfDigamma	mathematical bold capital digamma
U+1D7CB		f					f	\mbfdigamma	mathematical bold small digamma