

Symbols defined by unicode-math

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Modified (df) to show Erewhon Math symbols

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

L **Latin Modern Math** (1612)

S **STIX Math Two** (2460)

E **Erewhon Math** (1644)

P **TeX Gyre Pagella Math** (1665)

D **DejaVu Math TeX Gyre** (1667)

Symbols defined in Plain $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ are indicated with ^(p) after their macro name. $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ follows Plain $\mathrm{T}_{\mathrm{E}}\mathrm{X}$, 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 $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ Live.¹

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¹Only a single $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ Gyre Math font is shown here by design as they all largely have the same symbol coverage.

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1 Opening symbols, \mathopen

USV	L	S	E	P	D	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				\cuberoot	cube root
U+0221C		√ 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	L	S	E	P	D	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	L	S	E	P	D	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	L	S	E	P	D	Macro	Description
U+02992		›				<code>\rangledot</code>	right angle bracket with dot
U+02994		➤				<code>\rparengtr</code>	right arc greater-than bracket
U+02996		⋈				<code>\Rparenless</code>	double right arc less-than bracket
U+02998)				<code>\rblkbrbrak</code>	right black tortoise shell bracket
U+029D9		⋈				<code>\rvzigzag</code>	right wiggly fence
U+029DB		⋈				<code>\Rvzigzag</code>	right double wiggly fence
U+029FD		›				<code>\rcurvyangle</code>	right pointing curved angle bracket

3 Fence symbols, `\mathfence`

USV	L	S	E	P	D	Macro	Description
U+0007C						<code>\vert^(p)</code>	vertical bar
U+02016						<code>\Vert^(p)</code>	double vertical bar
U+02980						<code>\Vvert</code>	triple vertical bar delimiter

4 Punctuation symbols, `\mathpunct`

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

6 ‘Under’ symbols, `\mathunder`

USV	L	S	E	P	D	Macro	Description
U+023B5	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	<code>\underbracket</code>	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	<code>\underparen</code>	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbrace</code> ^(p)	bottom curly bracket (mathematical use)

7 Accents, \mathaccent

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

USV	L	S	E	P	D	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	̏	̐	̑	̒	̓	\ddddot	combining three dots above
U+020DC	̓	̔	̕	̖	̗	\ddddot	combining four dots above

USV	L	S	E	P	D	Macro	Description
U+020E7		̸				\annuity	combining annuity symbol
U+020E9	̸	̸	̸	̸	̸	\widebridgeabove	combining wide bridge above
U+020F0	̸	̸	̸	̸	̸	\asteraccent	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	L	S	E	P	D	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

USV	L	S	E	P	D	Macro	Description
U+020D1	\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}	<code>\vec{p}</code>	combining right arrow above
U+020DB	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	<code>\dddot</code>	combining three dots above
U+020DC	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{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}	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	$\overset{*}{x}$	<code>\asteraccent</code>	combining asterisk above

9 Bottom accents, `\mathbotaccent`

USV	L	S	E	P	D	Macro	Description
U+020E8	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	$\underset{...}{x}$	<code>\threeunderdot</code>	combining triple underdot

10 Bottom accents wide, `\mathbotaccentwide`



































































USV	L	S	E	P	D	Macro	Description
U+00330	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	<code>\wideutilde</code>	under tilde accent (multiple characters and non-spacing)
U+00332	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	$\mathunderbar{x+y}$	<code>\mathunderbar</code>	combining low line
U+0034D	\xleftrightarrow{y}	\xleftrightarrow{y}	\xleftrightarrow{y}	\xleftrightarrow{y}	\xleftrightarrow{y}	<code>\underleftrightharpoon</code>	underleftrightharpoon accent
U+020EC	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	<code>\underrightharpoon</code>	combining rightwards harpoon with barb downwards
U+020ED	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	<code>\underleftharpoon</code>	combining leftwards harpoon with barb downwards
U+020EE	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	\xleftarrow{y}	<code>\underleftarrow</code>	combining left arrow below
U+020EF	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	\xrightarrow{y}	<code>\underrightarrow</code>	combining right arrow below

USV	L	S	E	P	D	Macro	Description
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





11 Big operators, `\mathop`

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

USV	L	S	E	P	D	Macro	Description
U+02140	\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	<code>\prod^{(p)}</code>	product operator
U+02210	\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	<code>\sum^{(p)}</code>	summation operator
U+0222B	\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	<code>\iint</code>	double integral operator
U+0222D	\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	<code>\oint^{(p)}</code>	contour integral operator
U+0222F	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	<code>\oiint</code>	double contour integral operator
U+02230	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	<code>\oiiint</code>	triple contour integral operator
U+02231	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	<code>\intclockwise</code>	clockwise integral
U+02232	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	<code>\varointclockwise</code>	contour integral, clockwise
U+02233	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	<code>\ointctrclockwise</code>	contour integral, anticlockwise
U+022C0	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	<code>\bigwedge^{(p)}</code>	logical and operator

























































































































USV	L	S	E	P	D	Macro	Description
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
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

USV	L	S	E	P	D	Macro	Description
U+02A08		\bigvee_0^1				<code>\disjquant</code>	two logical or operator
U+02A09	\times_0^1	\bigtimes_0^1	\times_0^1	\times_0^1	\times_0^1	<code>\bigtimes</code>	n-ary times operator
U+02A0A		\bigoplus_0^1				<code>\modtwosum</code>	modulo two sum
U+02A0B		\int_0^1				<code>\sumint</code>	summation with integral
U+02A0C	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	<code>\iiiint</code>	quadruple integral operator
U+02A0D		\int_0^1	\int_0^1			<code>\intbar</code>	finite part integral
U+02A0E		\int_0^1				<code>\intBar</code>	integral with double stroke
U+02A0F		\int_0^1				<code>\fint</code>	integral average with slash
U+02A10		\oint_0^1				<code>\cirfnint</code>	circulation function
U+02A11	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	<code>\awint</code>	anticlockwise integration
U+02A12		\int_0^1				<code>\rppointint</code>	line integration with rectangular path around pole
U+02A13		\int_0^1				<code>\scpointint</code>	line integration with semicircular path around pole
U+02A14		\int_0^1				<code>\npointint</code>	line integration not including the pole
U+02A15		\int_0^1				<code>\pointint</code>	integral around a point operator
U+02A16		\int_0^1				<code>\sqint</code>	quaternion integral operator
U+02A17		\int_0^1				<code>\intlarhk</code>	integral with leftwards arrow with hook
U+02A18		\int_0^1				<code>\intx</code>	integral with times sign

USV	L	S	E	P	D	Macro	Description
U+02A19						<code>\intcap</code>	integral with intersection
U+02A1A						<code>\intcup</code>	integral with union
U+02A1B						<code>\upint</code>	integral with overbar
U+02A1C						<code>\lowint</code>	integral with underbar
U+02A1D						<code>\Join</code>	join
U+02A1E						<code>\bigtriangleleft</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	L	S	E	P	D	Macro	Description
U+0002B	+	+	+	+	+	\mathplus	plus sign b:
U+000B1	±	±	±	±	±	\pm ^(p)	plus-or-minus sign
U+000B7	·	·	·	·	·	\cdotp ^(p)	/centerdot b: middle dot
U+000D7	×	×	×	×	×	\times ^(p)	multiply sign
U+000F7	÷	÷	÷	÷	÷	\div ^(p)	divide sign
U+02020	†	†	†	†	†	\dagger ^(p)	dagger relation
U+02021	‡	‡	‡	‡	‡	\ddagger ^(p)	double dagger relation
U+02022	●	●	●	●	●	\smbllkcircle	/bullet b: round bullet, filled
U+02040		⋈				\tieconcat	character tie, z notation sequence concatenation
U+02044	/	/	/	/	/	\fracslash	fraction slash
U+0214B		⌘	⌘			\upand	turned ampersand
U+02212	−	−	−	−	−	\minus	minus sign
U+02213	∓	∓	∓	∓	∓	\mp ^(p)	minus-or-plus sign
U+02214	⋇	⋇	⋇	⋇	⋇	\dotplus ^(a)	plus sign, dot above
U+02215	/	/	/	/	/	\divslash	division slash
U+02216	\	\	\	\	\	\smallsetminus ^(a)	small set minus (cf. reverse solidus)
U+02217	*	*	*	*	*	\ast ^(p)	centered asterisk
U+02218	○	○	○	○	○	\vysmwhtcircle	composite function (small circle)
U+02219	●	●	●	●	●	\vysmbllkcircle	bullet operator
U+02227	∧	∧	∧	∧	∧	\wedge ^(p)	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	\vee ^(p)	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	\cap ^(p)	intersection
U+0222A	∪	∪	∪	∪	∪	\cup ^(p)	union or logical sum


























USV	L	S	E	P	D	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	L	S	E	P	D	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
U+027E0						<code>\lozengeminus</code>	lozenge divided by horizontal rule

USV	L	S	E	P	D	Macro	Description
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		⓪				<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>\triangleserifs</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>\mdlgbklozenge</code>	black lozenge
U+029F5		\				<code>\setminus^(p)</code>	reverse solidus operator
U+029F6		7				<code>\dsol</code>	solidus with overbar

USV	L	S	E	P	D	Macro	Description
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
U+02A34		⦶				\otimeslhrim	multiplication sign in left half circle

USV	L	S	E	P	D	Macro	Description
U+02A35		⊗				<code>\otimesrhrim</code>	multiplication sign in right half circle
U+02A36		⊗̂				<code>\otimeshat</code>	circled multiplication sign with circumflex accent
U+02A37		⊗⊗				<code>\Otimes</code>	multiplication sign in double circle
U+02A38		⊕				<code>\odiv</code>	circled division sign
U+02A39		⊕△				<code>\triangleplus</code>	plus sign in triangle
U+02A3A		⊖△				<code>\triangleminus</code>	minus sign in triangle
U+02A3B		⊗△				<code>\triangletimes</code>	multiplication sign in triangle
U+02A3C		⌋				<code>\intprod</code>	interior product
U+02A3D		⌋				<code>\intprodr</code>	righthand interior product
U+02A3E		⋈				<code>\fcmp</code>	z notation relational composition
U+02A3F	⧿	⧿	⧿	⧿	⧿	<code>\amalg^(p)</code>	amalgamation or coproduct
U+02A40		⋈̇				<code>\capdot</code>	intersection with dot
U+02A41		⋈⁻				<code>\uminus</code>	union with minus sign
U+02A42		⋈̄				<code>\barcup</code>	union with overbar
U+02A43		⋈̄				<code>\barcap</code>	intersection with overbar
U+02A44		⋈⋈				<code>\capwedge</code>	intersection with logical and
U+02A45		⋈⋈				<code>\cupvee</code>	union with logical or
U+02A46		⋈ [∩]				<code>\cupovercap</code>	union above intersection
U+02A47		⋈ [∪]				<code>\capovercup</code>	intersection above union
U+02A48		⋈ [∩]				<code>\cupbarcap</code>	union above bar above intersection
U+02A49		⋈ [∪]				<code>\capbarcup</code>	intersection above bar above union
U+02A4A		⋈⋈				<code>\twocups</code>	union beside and joined with union
U+02A4B		⋈⋈				<code>\twocaps</code>	intersection beside and joined with intersection
U+02A4C		⋈				<code>\closedvarcup</code>	closed union with serifs

















































































USV	L	S	E	P	D	Macro	Description
U+02A4D						<code>\closedvarcap</code>	closed intersection with serifs
U+02A4E						<code>\Sqcap</code>	double square intersection
U+02A4F						<code>\Sqcup</code>	double square union
U+02A50						<code>\closedvarcupsmashprod</code>	closed union with serifs and smash product
U+02A51						<code>\wedgeodot</code>	logical and with dot above
U+02A52						<code>\veeodot</code>	logical or with dot above
U+02A53						<code>\Wedge</code>	double logical and
U+02A54						<code>\Vee</code>	double logical or
U+02A55						<code>\wedgonwedge</code>	two intersecting logical and
U+02A56						<code>\veeonvee</code>	two intersecting logical or
U+02A57						<code>\bigslopedvee</code>	sloping large or
U+02A58						<code>\bigslopedwedge</code>	sloping large and
U+02A5A						<code>\wedgemidvert</code>	logical and with middle stem
U+02A5B						<code>\veemidvert</code>	logical or with middle stem
U+02A5C						<code>\midbarwedge</code>	logical and with horizontal dash
U+02A5D						<code>\midbarvee</code>	logical or with horizontal dash
U+02A5E						<code>\doublebarwedge^(a)</code>	logical and with double overbar
U+02A5F						<code>\wedgebar</code>	logical and with underbar
U+02A60						<code>\wedgedoublebar</code>	logical and with double underbar
U+02A61						<code>\varveebar</code>	small vee with underbar
U+02A62						<code>\doublebarvee</code>	logical or with double overbar
U+02A63						<code>\veedoublebar</code>	logical or with double underbar
U+02A64						<code>\dsup</code>	z notation domain antirestriction
U+02A65						<code>\rsup</code>	z notation range antirestriction

USV	L	S	E	P	D	Macro	Description
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	L	S	E	P	D	Macro	Description
U+00023	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	\$	\$	\$	\$	\$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	\mathpercent	percent sign
U+00026	&	&	&	&	&	\mathampersand	ampersand
U+0002E	\mathperiod	full stop, period
U+0002F	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	\mathquestion	question mark
U+00040	@	@	@	@	@	\mathatsign	commercial at
U+0005C	\	\	\	\	\	\backslash ^(p)	reverse solidus
U+000A3	£	£	£	£	£	\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	\mathyen	yen sign
U+000A7	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	\neg ^(p)	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	\mathparagraph	paragraph symbol
U+001B5		Z	Z			\Zbar	impedance (latin capital letter z with stroke)
U+003F6		ϵ	ϵ			\upbackepsilon	greek reversed lunate epsilon symbol
U+02015	—	—	—	—	—	\horizbar	horizontal bar
U+02017	=	=	=	=	=	\twolowline	double low line (spacing)
U+02025		..				\enleadertwodots	double baseline dot (en leader)
U+02026	\unicodeellipsis	ellipsis (horizontal)
U+02032	'	'	'	'	'	\prime ^(p)	prime or minute, not superscripted
U+02033	''	''		''	''	\dprime	double prime or second, not superscripted
U+02034	'''	'''		'''	'''	\trprime	triple prime (not superscripted)

usv	L	S	E	P	D	Macro	Description
U+02035	ʼ	ʻ	ʽ	ʼ	ʼ	\backprime ^(a)	reverse prime, not superscripted
U+02036	ʼʼ	ʻʻ		ʼʼ	ʼʼ	\backdprime	double reverse prime, not superscripted
U+02037	ʼʼʼ	ʻʻʻ		ʼʼʼ	ʼʼʼ	\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	ʼʼʼʼ	ʻʻʻʻ		ʼʼʼʼ	ʼʼʼʼ	\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	\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	\mho	conductance
U+02132		ℱ	ℱ			\Finv ^(a)	turned capital f
U+0213C	Ⅎ	Ⅎ	Ⅎ	Ⅎ	Ⅎ	\Bbbpi	double-struck small pi
U+02141		ℳ	ℳ			\Game ^(a)	turned sans-serif capital g
U+02142		ℴ				\sansLturned	turned sans-serif capital l
U+02143		ℵ				\sansLmirrored	reversed sans-serif capital l
U+02144		ℶ				\Yup	turned sans-serif capital y
U+02145	℔	℔	℔	℔	℔	\mitBbbD	double-struck italic capital d
U+02146	ℓ	ℓ	ℓ	ℓ	ℓ	\mitBbbd	double-struck italic small d







USV	L	S	E	P	D	Macro	Description
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>\righdasharrow</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
U+021EA						<code>\whitearrowupfrombar</code>	upwards white arrow from bar
U+02200						<code>\forall^{(p)}</code>	for all
U+02201						<code>\complement^{(a)}</code>	complement sign

USV	L	S	E	P	D	Macro	Description
U+02203	∃	∃	∃	∃	∃	<code>\exists^(p)</code>	at least one exists
U+02204	∄	∄	∄	∄	∄	<code>\nexists^(a)</code>	negated exists
U+02205	∅	∅	∅	∅	∅	<code>\varnothing^(a)</code>	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	<code>\increment</code>	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	<code>\QED</code>	end of proof
U+0221A	√	√	√	√	√	<code>\surd^(p)</code>	radical
U+0221E	∞	∞	∞	∞	∞	<code>\infty^(p)</code>	infinity
U+0221F	⊥	⊥	⊥	⊥	⊥	<code>\rightangle</code>	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	<code>\angle^(p)</code>	angle
U+02221	∡	∡	∡	∡	∡	<code>\measuredangle^(a)</code>	angle-measured
U+02222	∢	∢	∢	∢	∢	<code>\sphericalangle^(a)</code>	angle-spherical
U+02234	∴	∴	∴	∴	∴	<code>\therefore^(a)</code>	therefore
U+02235	∵	∵	∵	∵	∵	<code>\because^(a)</code>	because
U+0223F	∿	∿	∿	∿	∿	<code>\sinewave</code>	sine wave
U+022A4	⤴	⤴	⤴	⤴	⤴	<code>\top^(p)</code>	top
U+022A5	⤵	⤵	⤵	⤵	⤵	<code>\bot^(p)</code>	bottom
U+022B9	⋈	⋈	⋈	⋈	⋈	<code>\hermitmatrix</code>	hermitian conjugate matrix
U+022BE	⋊	⋊	⋊	⋊	⋊	<code>\measuredrightangle</code>	right angle-measured [with arc]
U+022BF	⋔	⋔	⋔	⋔	⋔	<code>\varltriangleright</code>	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	<code>\unicodcdots</code>	three dots, centered
U+02300	⌀	⌀	⌀	⌀	⌀	<code>\diameter</code>	diameter sign
U+02302		🏠				<code>\house</code>	house
U+02310	⌞	⌞	⌞	⌞	⌞	<code>\invnot</code>	reverse not
U+02311		◻				<code>\sqlozenge</code>	square lozenge

usv	L	S	E	P	D	Macro	Description
U+02312						\proflin	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						\lparenud	left parenthesis upper hook
U+0239C						\lparenextender	left parenthesis extension
U+0239D						\lparenld	left parenthesis lower hook
U+0239E						\rparenud	right parenthesis upper hook
U+0239F						\rparenextender	right parenthesis extension
U+023A0						\rparenld	right parenthesis lower hook
U+023A1						\lbrackud	left square bracket upper corner
U+023A2						\lbrackextender	left square bracket extension

USV	L	S	E	P	D	Macro	Description
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
U+023AE						<code>\intextender</code>	integral extension
U+023AF						<code>\harrowextender</code>	horizontal line extension (used to extend arrows)
U+023B2						<code>\sumtop</code>	summation top
U+023B3						<code>\sumbottom</code>	summation bottom
U+023B6						<code>\bbrktbrk</code>	bottom square bracket over top square bracket
U+023B7						<code>\sqrtbottom</code>	radical symbol bottom
U+023B8						<code>\lvboxline</code>	left vertical box line
U+023B9						<code>\rvboxline</code>	right vertical box line
U+023CE						<code>\varcarriagereturn</code>	return symbol
U+023E0						<code>\obrbrak</code>	top tortoise shell bracket (mathematical use)

USV	L	S	E	P	D	Macro	Description
U+023E1						\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2						\trapezium	white trapezium
U+023E3						\benzenr	benzene ring with circle
U+023E4						\strns	straightness
U+023E5						\fltns	flatness
U+023E6						\accurrent	ac current
U+023E7						\elinters	electrical intersection
U+02422						\blanksymbol	blank symbol
U+02423						\mathvisiblespace	open box
U+02506						\bdtriplevdash	doubly broken vert
U+02580						\blockuphalf	upper half block
U+02584						\blocklowhalf	lower half block
U+02588						\blockfull	full block
U+0258C						\blocklefthalf	left half block
U+02590						\blockrighthalf	right half block
U+02591						\blockqtrshaded	25% shaded block
U+02592						\blockhalfshaded	50% shaded block
U+02593						\blockthreeqtrshaded	75% shaded block
U+025A0						\mdlgblksquare	square, filled
U+025A1						\mdlgwhtsquare	square, open
U+025A2						\squoval	white square with rounded corners
U+025A3						\blackinwhitesquare	white square containing black small square
U+025A4						\squarehfill	square, horizontal rule filled
U+025A5						\squarevfill	square, vertical rule filled

USV	L	S	E	P	D	Macro	Description
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>\smbksquare</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)
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

USV	L	S	E	P	D	Macro	Description
U+025C2		◀	◄			\smallblacktriangleleft	left triangle, filled
U+025C3		◁	◅			\smalltriangleleft	left triangle, open
U+025C4		◀			◀	\blackpointerleft	black left-pointing pointer
U+025C5		◁				\whitepointerleft	white left-pointing pointer
U+025C6		◆				\mdlgblkdiamond	black diamond
U+025C7		◇	◈			\mdlgwhtdiamond	white diamond; diamond, open
U+025C8		◈				\blackinwhitediamond	white diamond containing black small diamond
U+025C9		◎				\fisheye	fish-eye
U+025CA	◈	◇		◈	◈	\mdlgwhtlozenge	lozenge or total mark
U+025CC		⊙				\dottedcircle	dotted circle
U+025CD		⊝				\circlevertfill	circle with vertical fill
U+025CE		◎				\bullseye	bullseye
U+025CF	●	●	●	●	●	\mdlgblkcircle	circle, filled
U+025D0		◐				\circlelefthalfblack	circle, filled left half [harvey ball]
U+025D1		◑				\cirlerrighthalfblack	circle, filled right half
U+025D2		◒				\circlebottomhalfblack	circle, filled bottom half
U+025D3		◓				\circletophalfblack	circle, filled top half
U+025D4		◔				\circleurquadblack	circle with upper right quadrant black
U+025D5		◕				\blackcircleulquadwhite	circle with all but upper left quadrant black
U+025D6		◖				\blacklefthalfcircle	left half black circle
U+025D7		◗				\blackrighthalfcircle	right half black circle
U+025D8		◘				\inversebullet	inverse bullet
U+025D9		◙				\inversewhitecircle	inverse white circle
U+025DA		◚				\invwhiteupperhalfcircle	upper half inverse white circle

USV	L	S	E	P	D	Macro	Description
U+025DB						<code>\invwhitelowhalfcircle</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
U+025E5						<code>\urblacktriangle</code>	upper right triangle, filled
U+025E6						<code>\smwhtcircle</code>	white bullet
U+025E7						<code>\squareleftblack</code>	square, filled left half
U+025E8						<code>\squarerightblack</code>	square, filled right half
U+025E9						<code>\squareulblack</code>	square, filled top left corner
U+025EA						<code>\squarelrblack</code>	square, filled bottom right corner
U+025EC						<code>\trianglecdot</code>	triangle with centered dot
U+025ED						<code>\triangleleftblack</code>	up-pointing triangle with left half black
U+025EE						<code>\trianglerightblack</code>	up-pointing triangle with right half black
U+025EF						<code>\lgwhtcircle</code>	large circle
U+025F0						<code>\squareulquad</code>	white square with upper left quadrant
U+025F1						<code>\squarellquad</code>	white square with lower left quadrant
U+025F2						<code>\squarelrquad</code>	white square with lower right quadrant
U+025F3						<code>\squareurquad</code>	white square with upper right quadrant




























USV	L	S	E	P	D	Macro	Description
U+025F4						<code>\circleulquad</code>	white circle with upper left quadrant
U+025F5						<code>\circlellquad</code>	white circle with lower left quadrant
U+025F6						<code>\circlelrquad</code>	white circle with lower right quadrant
U+025F7						<code>\circleurquad</code>	white circle with upper right quadrant
U+025F8						<code>\ultriangle</code>	upper left triangle
U+025F9						<code>\urtriangle</code>	upper right triangle
U+025FA						<code>\lltriangle</code>	lower left triangle
U+025FB						<code>\mdwhtsquare</code>	white medium square
U+025FC						<code>\mdblsquare</code>	black medium square
U+025FD						<code>\mdsmwhtsquare</code>	white medium small square
U+025FE						<code>\mdsmblsquare</code>	black medium small square
U+025FF						<code>\lrtriangle</code>	lower right triangle
U+02605						<code>\bigstar^(a)</code>	star, filled
U+02606						<code>\bigwhitestar</code>	star, open
U+02609						<code>\astrosun</code>	sun
U+02621						<code>\danger</code>	dangerous bend (caution sign)
U+0263B						<code>\blacksmiley</code>	black smiling face
U+0263C						<code>\sun</code>	white sun with rays
U+0263D						<code>\rightmoon</code>	first quarter moon
U+0263E						<code>\leftmoon</code>	last quarter moon
U+02640						<code>\female</code>	venus, female
U+02642						<code>\male</code>	mars, male
U+02660						<code>\spadesuit^(p)</code>	spades suit symbol
U+02661						<code>\heartsuit^(p)</code>	heart suit symbol

USV	L	S	E	P	D	Macro	Description
U+02662	◇	◇	◇	◇	◇	<code>\diamondsuit^(p)</code>	diamond suit symbol
U+02663	♣	♣	♣	♣	♣	<code>\clubsuit^(p)</code>	club suit symbol
U+02664	♠	♠	♠	♠	♠	<code>\spadesuit</code>	spade, white (card suit)
U+02665	♥	♥	♥	♥	♥	<code>\heartsuit</code>	filled heart (card suit)
U+02666	◆	◆	◆	◆	◆	<code>\vardiamondsuit</code>	filled diamond (card suit)
U+02667	♣	♣	♣	♣	♣	<code>\varclubsuit</code>	club, white (card suit)
U+02669		♪				<code>\quarternote</code>	music note (sung text sign)
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

USV	L	S	E	P	D	Macro	Description
U+026AA		○	○			\mdwhtcircle	medium white circle
U+026AB		●	●			\mdblkcircle	medium black circle
U+026AC		◦	◦			\mdsmwhtcircle	medium small white circle
U+026B2		♀				\neuter	neuter
U+02713	✓	✓	✓	✓	✓	\checkmark	tick, check mark
U+02720	✠	✠	✠	✠	✠	\maltese	maltese cross
U+0272A		★				\circledstar	circled white star
U+02736		✳				\varstar	six pointed black star
U+0273D		✳				\dingasterisk	heavy teardrop-spoked asterisk
U+0279B		➔				\draftingarrow	right arrow with bold head (drafting)
U+027C0		⤵				\threeangle	three dimensional angle
U+027C1		⬡				\whiteinwhitetrangle	white triangle containing small white triangle
U+027C3		⊆				\subsetcirc	open subset
U+027C4		⊇				\supsetcirc	open superset
U+027D0		◊				\diamondcdot	white diamond with centred dot
U+0292B		↗				\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C		↘				\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D		↗↘				\seovnearrow	south east arrow crossing north east arrow
U+0292E		↘↗				\neovsearrow	north east arrow crossing south east arrow
U+0292F		↘↗				\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930		↗↘				\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931		↗↖				\neovnwarrow	north east arrow crossing north west arrow
U+02932		↖↗				\nwovnearrow	north west arrow crossing north east arrow
U+02934		↗	↗			\uprightcurvearrow	arrow pointing rightwards then curving upwards

USV	L	S	E	P	D	Macro	Description
U+02935						<code>\downrightcurvedarrow</code>	arrow pointing rightwards then curving downwards
U+02981						<code>\mdsmbllkcircle</code>	z notation spot
U+02999						<code>\fourvdots</code>	dotted fence
U+0299A						<code>\vzigzag</code>	vertical zigzag line
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

USV	L	S	E	P	D	Macro	Description
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
U+029AF						<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0						<code>\reverifyset</code>	reversed empty set
U+029B1						<code>\emptysettoabar</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>\uparrowwonnecircle</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

USV	L	S	E	P	D	Macro	Description
U+029E0						<code>\laplac</code>	square with contoured outline
U+029E7						<code>\thermod</code>	thermodynamic
U+029E8						<code>\downtriangleleftblack</code>	down-pointing triangle with left half black
U+029E9						<code>\downtrianglerightblack</code>	down-pointing triangle with right half black
U+029EA						<code>\blackdiamonddownarrow</code>	black diamond with down arrow
U+029EC						<code>\circledownarrow</code>	white circle with down arrow
U+029ED						<code>\blackcircledownarrow</code>	black circle with down arrow
U+029EE						<code>\errbarsquare</code>	error-barred white square
U+029EF						<code>\errbarblacksquare</code>	error-barred black square
U+029F0						<code>\errbardiamond</code>	error-barred white diamond
U+029F1						<code>\errbarblackdiamond</code>	error-barred black diamond
U+029F2						<code>\errbarcircle</code>	error-barred white circle
U+029F3						<code>\errbarblackcircle</code>	error-barred black circle
U+02AE1						<code>\perps</code>	perpendicular with s
U+02AF1						<code>\topcir</code>	down tack with circle below
U+02B12						<code>\squaretopblack</code>	square with top half black
U+02B13						<code>\squarebotblack</code>	square with bottom half black
U+02B14						<code>\squareurblack</code>	square with upper right diagonal half black
U+02B15						<code>\squarellblack</code>	square with lower left diagonal half black
U+02B16						<code>\diamondleftblack</code>	diamond with left half black
U+02B17						<code>\diamondrightblack</code>	diamond with right half black
U+02B18						<code>\diamondtopblack</code>	diamond with top half black
U+02B19						<code>\diamondbotblack</code>	diamond with bottom half black
U+02B1A						<code>\dottedsquare</code>	dotted square

USV	L	S	E	P	D	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		●	●			\lgblkcicle	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		◆				\smbldiamond	black small diamond
U+02B2A		◆				\smbldlozenge	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	L	S	E	P	D	Macro	Description
U+02B53		➡				\rightpentagonblack	black right-pointing pentagon
U+02B54		⬡				\rightpentagon	white right-pointing pentagon
U+03012		〒				\postalmark	postal mark
U+03030		⋈				\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9	\Bbbnine	mathematical double-struck digit 9

USV	L	S	E	P	D	Macro	Description
U+1D7E2	0	0	0	0	0	\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	\msanstthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	\mbfsanstthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	\mtttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	\mttthree	mathematical monospace digit 3

USV	L	S	E	P	D	Macro	Description
U+1D7FA	4	4	4	4	4	\mttfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	\mttfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	\mttsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	\mttseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	\mttnine	mathematical monospace digit 9

14 Relation symbols, `\mathrel`

USV	L	S	E	P	D	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
U+021A2	↮̈	↮̈	↮̈	↮̈	↮̈	<code>\leftarrowtail^(a)</code>	left arrow-tailed

USV	L	S	E	P	D	Macro	Description
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
U+021C1						<code>\rightharpoondown^(p)</code>	right harpoon-down

USV	L	S	E	P	D	Macro	Description
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>\nLefttrightarrow^(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
U+021D9	↶↴	↵↶	↷↶	↸↷	↹↷	<code>\Swarrow</code>	sw pointing double arrow

USV	L	S	E	P	D	Macro	Description
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>\Nleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB		→				<code>\Nrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC		↔				<code>\Nleftrightarrow</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
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)
























































































































USV	L	S	E	P	D	Macro	Description
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
U+02246	≇	≇	≇	≇	≇	<code>\simneqq</code>	similar, not equals [vert only for 9573 entity]
U+02247	≇	≇	≇	≇	≇	<code>\ncong^(a)</code>	not congruent with
U+02248	≈	≈	≈	≈	≈	<code>\approx^(p)</code>	approximate
U+02249	⋈	⋈	⋈	⋈	⋈	<code>\napprox</code>	not approximate
U+0224A	≈	≈	≈	≈	≈	<code>\approxeq^(a)</code>	approximate, equals

USV	L	S	E	P	D	Macro	Description
U+0224B	≈	≈	≈	≈	≈	<code>\approxident</code>	approximately identical to
U+0224C	≡	≡	≡	≡	≡	<code>\backcong</code>	all equal to
U+0224D	⋈	⋈	⋈	⋈	⋈	<code>\asymp^(p)</code>	asymptotically equal to
U+0224E	⋈	⋈	⋈	⋈	⋈	<code>\Bumpeq^(a)</code>	bumpy equals
U+0224F	⋈	⋈	⋈	⋈	⋈	<code>\bumpeq^(a)</code>	bumpy equals, equals
U+02250	⋈	⋈	⋈	⋈	⋈	<code>\doteq^(l)</code>	equals, single dot above
U+02251	⋈	⋈	⋈	⋈	⋈	<code>\Doteq^(a)</code>	/doteqdot /doteq r: equals, even dots
U+02252	⋈	⋈	⋈	⋈	⋈	<code>\fallingdotseq^(a)</code>	equals, falling dots
U+02253	⋈	⋈	⋈	⋈	⋈	<code>\risingdotseq^(a)</code>	equals, rising dots
U+02254	⋈	⋈	⋈	⋈	⋈	<code>\coloneq</code>	colon, equals
U+02255	⋈	⋈	⋈	⋈	⋈	<code>\eqcolon</code>	equals, colon
U+02256	⋈	⋈	⋈	⋈	⋈	<code>\eqcirc^(a)</code>	circle on equals sign
U+02257	⋈	⋈	⋈	⋈	⋈	<code>\circeq^(a)</code>	circle, equals
U+02258	⋈	⋈	⋈	⋈	⋈	<code>\arceq</code>	arc, equals; corresponds to
U+02259	⋈	⋈	⋈	⋈	⋈	<code>\wedgseq</code>	corresponds to (wedge, equals)
U+0225A	⋈	⋈	⋈	⋈	⋈	<code>\veeeq</code>	logical or, equals
U+0225B	⋈	⋈	⋈	⋈	⋈	<code>\stareq</code>	star equals
U+0225C	⋈	⋈	⋈	⋈	⋈	<code>\triangleq^(a)</code>	triangle, equals
U+0225D	⋈	⋈	⋈	⋈	⋈	<code>\eqdef</code>	equals by definition
U+0225E	⋈	⋈	⋈	⋈	⋈	<code>\measeq</code>	measured by (m over equals)
U+0225F	⋈	⋈	⋈	⋈	⋈	<code>\questeq</code>	equal with questionmark
U+02260	≠	≠	≠	≠	≠	<code>\ne^(p)</code>	/ne /neq r: not equal
U+02261	≡	≡	≡	≡	≡	<code>\equiv^(p)</code>	identical with
U+02262	≠	≠	≠	≠	≠	<code>\nequiv</code>	not identical with

usv	L	S	E	P	D	Macro	Description
U+02263	≡	≡	≡	≡	≡	<code>\Equiv</code>	strict equivalence (4 lines)
U+02264	≤	≤	≤	≤	≤	<code>\leq^(p)</code>	/leq /le r: less-than-or-equal
U+02265	≥	≥	≥	≥	≥	<code>\geq^(p)</code>	/geq /ge r: greater-than-or-equal
U+02266	≤	≤	≤	≤	≤	<code>\leqq^(a)</code>	less, double equals
U+02267	≥	≥	≥	≥	≥	<code>\geqq^(a)</code>	greater, double equals
U+02268	≤	≤	≤	≤	≤	<code>\lneqq^(a)</code>	less, not double equals
U+02269	≥	≥	≥	≥	≥	<code>\gneqq^(a)</code>	greater, not double equals
U+0226A	≪	≪	≪	≪	≪	<code>\ll^(p)</code>	much less than, type 2
U+0226B	≫	≫	≫	≫	≫	<code>\gg^(p)</code>	much greater than, type 2
U+0226C	⋈	⋈	⋈	⋈	⋈	<code>\between^(a)</code>	between
U+0226D	≉	≉	≉	≉	≉	<code>\nasymp</code>	not asymptotically equal to
U+0226E	⋈	⋈	⋈	⋈	⋈	<code>\nless^(a)</code>	not less-than
U+0226F	⋈	⋈	⋈	⋈	⋈	<code>\ngtr^(a)</code>	not greater-than
U+02270	⋈	⋈	⋈	⋈	⋈	<code>\nleq^(a)</code>	not less-than-or-equal
U+02271	⋈	⋈	⋈	⋈	⋈	<code>\ngeq^(a)</code>	not greater-than-or-equal
U+02272	≈	≈	≈	≈	≈	<code>\lesssim^(a)</code>	less, similar
U+02273	≈	≈	≈	≈	≈	<code>\gtrsim^(a)</code>	greater, similar
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

USV	L	S	E	P	D	Macro	Description
U+0227B	𐀛	𐀜	𐀝	𐀞	𐀟	<code>\succ^(p)</code>	succeeds
U+0227C	𐀠	𐀡	𐀢	𐀣	𐀤	<code>\preccurlyeq^(a)</code>	precedes, curly equals
U+0227D	𐀥	𐀦	𐀧	𐀨	𐀩	<code>\succcurlyeq^(a)</code>	succeeds, curly equals
U+0227E	𐀪	𐀫	𐀬	𐀭	𐀮	<code>\precsim^(a)</code>	precedes, similar
U+0227F	𐀯	𐀰	𐀱	𐀲	𐀳	<code>\succsim^(a)</code>	succeeds, similar
U+02280	𐀴	𐀵	𐀶	𐀷	𐀸	<code>\nprec^(a)</code>	not precedes
U+02281	𐀹	𐀺	𐀻	𐀼	𐀽	<code>\nsucc^(a)</code>	not succeeds
U+02282	𐀾	𐀿	𐁀	𐁁	𐁂	<code>\subset^(p)</code>	subset or is implied by
U+02283	𐁃	𐁄	𐁅	𐁆	𐁇	<code>\supset^(p)</code>	superset or implies
U+02284	𐁈	𐁉	𐁊	𐁋	𐁌	<code>\nsubset</code>	not subset, variant [slash negation]
U+02285	𐁍	𐁎	𐁏	𐁐	𐁑	<code>\nsupset</code>	not superset, variant [slash negation]
U+02286	𐁒	𐁓	𐁔	𐁕	𐁖	<code>\subseteq^(p)</code>	subset, equals
U+02287	𐁗	𐁘	𐁙	𐁚	𐁛	<code>\supseteq^(p)</code>	superset, equals
U+02288	𐁜	𐁝	𐁞	𐁟	𐁠	<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
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	𐁿	𐂀	𐂁	𐂂	𐂃	<code>\sqsupseteq^(p)</code>	square superset, equals
U+022A2	𐂤	𐂥	𐂦	𐂧	𐂨	<code>\vdash^(p)</code>	vertical, dash
U+022A3	𐂩	𐂪	𐂫	𐂬	𐂭	<code>\dashv^(p)</code>	dash, vertical
U+022A6	𐂮	𐂯	𐂰	𐂱	𐂲	<code>\assert</code>	assertion (vertical, short dash)

USV	L	S	E	P	D	Macro	Description
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>\Vdash^(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>\scurrel</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
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

USV	L	S	E	P	D	Macro	Description
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
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

USV	L	S	E	P	D	Macro	Description
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
U+022FC		⋈				<code>\nis</code>	small contains with vertical bar at end of horizontal stroke
U+022FD		⋈				<code>\varniobar</code>	contains with overbar
U+022FE		⋈				<code>\niobar</code>	small contains with overbar
U+022FF		⋈				<code>\bagmember</code>	z notation bag membership
U+02322	⌒	⌒	⌒	⌒	⌒	<code>\frown^(p)</code>	down curve
U+02323	⌓	⌓	⌓	⌓	⌓	<code>\smile^(p)</code>	up curve
U+0233F		⌚				<code>\APLnotslash</code>	solidus, bar through (apl functional symbol slash bar)
U+025B5		△	△			<code>\vartriangle^(a)</code>	/triangle - up triangle, open
U+027C2	⊥	⊥	⊥	⊥	⊥	<code>\perp^(p)</code>	perpendicular
U+027C8		⊃				<code>\bsolhsub</code>	reverse solidus preceding subset

USV	L	S	E	P	D	Macro	Description
U+027C9		↯				\supsol	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		↯				\Uparrow	upwards quadruple arrow
U+027F1		↯				\Downarrow	downwards quadruple arrow
U+027F2		↯				\acwgapcirclearrow	anticlockwise gapped circle arrow
U+027F3		↯				\cwgapcirclearrow	clockwise gapped circle arrow
U+027F4	↯	↯	↯	↯	↯	\rightarrowonoplus	right arrow with circled plus
U+027F5	↯	↯	↯	↯	↯	\longleftarrow ^(p)	long leftwards arrow
U+027F6	↯	↯	↯	↯	↯	\longrightarrow ^(p)	long rightwards arrow
U+027F7	↯	↯	↯	↯	↯	\longlefttrightarrow ^(p)	long left right arrow
U+027F8	↯	↯	↯	↯	↯	\Longleftarrow ^(p)	long leftwards double arrow
U+027F9	↯	↯	↯	↯	↯	\Longrightarrow ^(p)	long rightwards double arrow
U+027FA	↯	↯	↯	↯	↯	\Longlefttrightarrow ^(p)	long left right double arrow
U+027FB	↯	↯	↯	↯	↯	\longmapsfrom	long leftwards arrow from bar
U+027FC	↯	↯	↯	↯	↯	\longmapsto ^(p)	long rightwards arrow from bar
U+027FD	↯	↯	↯	↯	↯	\Longmapsfrom	long leftwards double arrow from bar

USV	L	S	E	P	D	Macro	Description
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
U+02904						<code>\nvLefttrightrightarrow</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>\Uparrow</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>\leftdbkarrow</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>\rightdotarrow</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

usv	L	S	E	P	D	Macro	Description
U+02915		➡				\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916		➡				\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917		➡				\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		➡				\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		↩				\lefttail	leftwards arrow-tail
U+0291A		↪				\righttail	rightwards arrow-tail
U+0291B		↩				\leftdbltail	leftwards double arrow-tail
U+0291C		↪				\rightdbltail	rightwards double arrow-tail
U+0291D		↩				\diamondleftarrow	leftwards arrow to black diamond
U+0291E		↪				\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		↩				\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		↪				\barrightrightarrowdiamond	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		↗				\hknesarrow	north east arrow with hook
U+02925		↘				\hksearrow	south east arrow with hook
U+02926		↙				\hkswarrow	south west arrow with hook
U+02927		↖				\tona	north west arrow and north east arrow
U+02928		↗				\toea	north east arrow and south east arrow
U+02929		↘				\tosa	south east arrow and south west arrow
U+0292A		↙				\towa	south west arrow and north west arrow
U+02933		➡	↪			\rightcurvedarrow	wave arrow pointing directly right

usv	L	S	E	P	D	Macro	Description
U+02936						<code>\leftdowncurvedarrow</code>	arrow pointing downwards then curving leftwards
U+02937						<code>\rightdowncurvedarrow</code>	arrow pointing downwards then curving rightwards
U+02938						<code>\cwrightarcarrow</code>	right-side arc clockwise arrow
U+02939						<code>\acwleftarcarrow</code>	left-side arc anticlockwise arrow
U+0293A						<code>\acwoverarcarrow</code>	top arc anticlockwise arrow
U+0293B						<code>\acwunderarcarrow</code>	bottom arc anticlockwise arrow
U+0293C						<code>\curvearrowrightminus</code>	top arc clockwise arrow with minus
U+0293D						<code>\curvearrowleftplus</code>	top arc anticlockwise arrow with plus
U+0293E						<code>\cwundercurvearrow</code>	lower right semicircular clockwise arrow
U+0293F						<code>\ccwundercurvearrow</code>	lower left semicircular anticlockwise arrow
U+02940						<code>\acwcirculararrow</code>	anticlockwise closed circle arrow
U+02941						<code>\cwcirculararrow</code>	clockwise closed circle arrow
U+02942						<code>\rightarrowshortleftarrow</code>	rightwards arrow above short leftwards arrow
U+02943						<code>\leftarrowshortrightarrow</code>	leftwards arrow above short rightwards arrow
U+02944						<code>\shortrightarrowleftarrow</code>	short rightwards arrow above leftwards arrow
U+02945						<code>\rightarrowplus</code>	rightwards arrow with plus below
U+02946						<code>\leftarrowplus</code>	leftwards arrow with plus below
U+02947						<code>\rightarrowx</code>	rightwards arrow through x
U+02948						<code>\leftrightarrowcircle</code>	left right arrow through small circle
U+02949						<code>\twoheaduparrowcircle</code>	upwards two-headed arrow from small circle
U+0294A						<code>\leftrightharpoonupdown</code>	left barb up right barb down harpoon
U+0294B						<code>\leftrightharpoonowdownup</code>	left barb down right barb up harpoon
U+0294C						<code>\updownharpoonrightleft</code>	up barb right down barb left harpoon

usv	L	S	E	P	D	Macro	Description
U+0294D		↱				\updownharpoonleftrightarrow	up barb left down barb right harpoon
U+0294E		↰				\leftrightharpoonupup	left barb up right barb up harpoon
U+0294F		↲				\updownharpoonrightright	up barb right down barb right harpoon
U+02950		↳				\leftrightharpoondowndown	left barb down right barb down harpoon
U+02951		↰				\updownharpoonleftleft	up barb left down barb left harpoon
U+02952		↰				\barleftharpoonup	leftwards harpoon with barb up to bar
U+02953		↲				\rightharpoonupbar	rightwards harpoon with barb up to bar
U+02954		↱				\barupharpoonright	upwards harpoon with barb right to bar
U+02955		↲				\downharpoonrightbar	downwards harpoon with barb right to bar
U+02956		↰				\barleftharpoondown	leftwards harpoon with barb down to bar
U+02957		↲				\rightharpoondownbar	rightwards harpoon with barb down to bar
U+02958		↱				\barupharpoonleft	upwards harpoon with barb left to bar
U+02959		↲				\downharpoonleftbar	downwards harpoon with barb left to bar
U+0295A		↰				\leftharpoonupbar	leftwards harpoon with barb up from bar
U+0295B		↲				\barriightharpoonup	rightwards harpoon with barb up from bar
U+0295C		↱				\upharpoonrightbar	upwards harpoon with barb right from bar
U+0295D		↲				\bardownharpoonright	downwards harpoon with barb right from bar
U+0295E		↰				\leftharpoondownbar	leftwards harpoon with barb down from bar
U+0295F		↲				\barriightharpoondown	rightwards harpoon with barb down from bar
U+02960		↱				\upharpoonleftbar	upwards harpoon with barb left from bar
U+02961		↲				\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		⇐				\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		⇑				\upharpoonsleftrightarrow	upwards harpoon with barb left beside upwards harpoon with barb right

usv	L	S	E	P	D	Macro	Description
U+02964		⇒				\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⇓				\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⇐				\leftrightharpoonsup	leftwards harpoon with barb up above right- wards harpoon with barb up
U+02967		⇐				\leftrightharpoonsdown	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⇒				\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⇒				\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⇐				\leftharpoonupdash	leftwards harpoon with barb up above long dash
U+0296B		⇐				\dashleftharpoondown	leftwards harpoon with barb down below long dash
U+0296C		⇒				\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0296D		⇒				\dashrightharpoondown	rightwards harpoon with barb down below long dash
U+0296E		⇕				\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⇕				\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⇒				\rightimply	right double arrow with rounded head
U+02971		⇒				\equalrightarrow	equals sign above rightwards arrow
U+02972		⇒				\similarrightarrow	tilde operator above rightwards arrow
U+02973		⇐				\leftarrowsimilar	leftwards arrow above tilde operator
U+02974		⇐				\rightarrowsimilar	rightwards arrow above tilde operator
U+02975		⇐				\rightarrowapprox	rightwards arrow above almost equal to
U+02976		⇐				\ltlarr	less-than above leftwards arrow
U+02977		⇐				\leftarrowless	leftwards arrow through less-than

USV	L	S	E	P	D	Macro	Description
U+02978		➤				<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		⊆				<code>\subrarr</code>	subset above rightwards arrow
U+0297A		⊆				<code>\leftarrowsubset</code>	leftwards arrow through subset
U+0297B		⊇				<code>\suplarr</code>	superset above leftwards arrow
U+0297C		↵				<code>\leftfishtail</code>	left fish tail
U+0297D		↶				<code>\rightfishtail</code>	right fish tail
U+0297E		↗				<code>\upfishtail</code>	up fish tail
U+0297F		↘				<code>\downfishtail</code>	down fish tail
U+02982		⋈				<code>\typecolon</code>	z notation type colon
U+029CE		⚡				<code>\rtriltri</code>	right triangle above left triangle
U+029CF		⚡				<code>\ltrivb</code>	left triangle beside vertical bar
U+029D0		⚡				<code>\vbrtri</code>	vertical bar beside right triangle
U+029D1		⚡				<code>\lfbowtie</code>	left black bowtie
U+029D2		⚡				<code>\rfbowtie</code>	right black bowtie
U+029D3		⚡				<code>\fbowtie</code>	black bowtie
U+029D4		⚡				<code>\lftimes</code>	left black times
U+029D5		⚡				<code>\rftimes</code>	right black times
U+029DF		⚡				<code>\dualmap</code>	double-ended multimap
U+029E1		⚡				<code>\lrtriangleeq</code>	increases as
U+029E3		⚡				<code>\eparsl</code>	equals sign and slanted parallel
U+029E4		⚡				<code>\smeparsl</code>	equals sign and slanted parallel with tilde above
U+029E5		⚡				<code>\eqvparsl</code>	identical to and slanted parallel
U+029E6		⚡				<code>\gleichstark</code>	gleich stark
U+029F4		⚡				<code>\ruledelayed</code>	rule-delayed

























USV	L	S	E	P	D	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>\simminusim</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
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

USV	L	S	E	P	D	Macro	Description
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
U+02A8D		⋈				<code>\lsime</code>	less-than above similar or equal
U+02A8E		⋈				<code>\gsime</code>	greater-than above similar or equal
U+02A8F		⋈				<code>\lsimg</code>	less-than above similar above greater-than
U+02A90		⋈				<code>\gsiml</code>	greater-than above similar above less-than
U+02A91		⋈				<code>\lgE</code>	less-than above greater-than above double-line equal
U+02A92		⋈				<code>\glE</code>	greater-than above less-than above double-line equal

USV	L	S	E	P	D	Macro	Description
U+02A93		≪				<code>\lesges</code>	less-than above slanted equal above greater-than above slanted equal
U+02A94		≫				<code>\gesles</code>	greater-than above slanted equal above less-than above slanted equal
U+02A95	⋈	⋈	⋈	⋈	⋈	<code>\eqslantless^(a)</code>	slanted equal to or less-than
U+02A96	⋉	⋉	⋉	⋉	⋉	<code>\eqslantgtr^(a)</code>	slanted equal to or greater-than
U+02A97		⋈				<code>\elsdot</code>	slanted equal to or less-than with dot inside
U+02A98		⋉				<code>\egsdot</code>	slanted equal to or greater-than with dot inside
U+02A99		≡				<code>\eqqless</code>	double-line equal to or less-than
U+02A9A		≡				<code>\eqqgtr</code>	double-line equal to or greater-than
U+02A9B		≡				<code>\eqqslantless</code>	double-line slanted equal to or less-than
U+02A9C		≡				<code>\eqqslantgtr</code>	double-line slanted equal to or greater-than
U+02A9D		≈				<code>\simless</code>	similar or less-than
U+02A9E		≈				<code>\simgtr</code>	similar or greater-than
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

USV	L	S	E	P	D	Macro	Description
U+02AAA						<code>\smt</code>	smaller than
U+02AAB						<code>\lat</code>	larger than
U+02AAC						<code>\smte</code>	smaller than or equal to
U+02AAD						<code>\late</code>	larger than or equal to
U+02AAE						<code>\bumpeq</code>	equals sign with bump 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
U+02AB3						<code>\preceqq</code>	precedes above equals sign
U+02AB4						<code>\succeqq</code>	succeeds above equals sign
U+02AB5						<code>\precneqq^(a)</code>	precedes above not equal to
U+02AB6						<code>\succneqq^(a)</code>	succeeds above not equal to
U+02AB7						<code>\precapprox^(a)</code>	precedes above almost equal to
U+02AB8						<code>\succapprox^(a)</code>	succeeds above almost equal to
U+02AB9						<code>\precnapprox^(a)</code>	precedes above not almost equal to
U+02ABA						<code>\succnapprox^(a)</code>	succeeds above not almost equal to
U+02ABB						<code>\Prec</code>	double precedes
U+02ABC						<code>\Succ</code>	double succeeds
U+02ABD						<code>\subsetdot</code>	subset with dot
U+02ABE						<code>\supsetdot</code>	superset with dot
U+02ABF						<code>\subsetplus</code>	subset with plus sign below
U+02AC0						<code>\supsetplus</code>	superset with plus sign below
U+02AC1						<code>\submult</code>	subset with multiplication sign below

USV	L	S	E	P	D	Macro	Description
U+02AC2		⊃̘				\supmult	superset with multiplication sign below
U+02AC3		⊆̇				\subedot	subset of or equal to with dot above
U+02AC4		⊇̇				\supedot	superset of or equal to with dot above
U+02AC5		⊆̐	⊆̐			\subseteqq ^(a)	subset of above equals sign
U+02AC6		⊇̐	⊇̐			\supseteqq ^(a)	superset of above equals sign
U+02AC7		⊆̃				\subsim	subset of above tilde operator
U+02AC8		⊇̃				\supsim	superset of above tilde operator
U+02AC9		⊆̂				\subsetapprox	subset of above almost equal to
U+02ACA		⊇̂				\supsetapprox	superset of above almost equal to
U+02ACB		⊈	⊈			\subsetneqq ^(a)	subset of above not equal to
U+02ACC		⊉	⊉			\supsetneqq ^(a)	superset of above not equal to
U+02ACD		⌊				\lsqhook	square left open box operator
U+02ACE		⌋				\rsqhook	square right open box operator
U+02ACF		⊐				\csub	closed subset
U+02AD0		⊑				\csup	closed superset
U+02AD1		⊒				\csube	closed subset or equal to
U+02AD2		⊓				\csupe	closed superset or equal to
U+02AD3		⊔				\subsup	subset above superset
U+02AD4		⊕				\supsub	superset above subset
U+02AD5		⊖				\subsub	subset above subset
U+02AD6		⊗				\supsup	superset above superset
U+02AD7		⊘				\suphsub	superset beside subset
U+02AD8		⊙				\supdsub	superset beside and joined by dash with subset
U+02AD9		⏞				\forkv	element of opening downwards

USV	L	S	E	P	D	Macro	Description
U+02ADA						<code>\topfork</code>	pitchfork with tee top
U+02ADB						<code>\mlcp</code>	transversal intersection
U+02ADC						<code>\forks</code>	forking
U+02ADD						<code>\forksnot</code>	nonforking
U+02ADE						<code>\shortlefttack</code>	short left tack
U+02ADF						<code>\shortdowntack</code>	short down tack
U+02AE0						<code>\shortuptack</code>	short up tack
U+02AE2						<code>\vDdash</code>	vertical bar triple right turnstile
U+02AE3						<code>\dashV</code>	double vertical bar left turnstile
U+02AE4						<code>\Dashv</code>	vertical bar double left turnstile
U+02AE5						<code>\DashV</code>	double vertical bar double left turnstile
U+02AE6						<code>\varVdash</code>	long dash from left member of double vertical
U+02AE7						<code>\Barv</code>	short down tack with overbar
U+02AE8						<code>\vBar</code>	short up tack with underbar
U+02AE9						<code>\vBarv</code>	short up tack above short down tack
U+02AEA						<code>\barV</code>	double down tack
U+02AEB						<code>\Vbar</code>	double up tack
U+02AEC						<code>\Not</code>	double stroke not sign
U+02AED						<code>\bNot</code>	reversed double stroke not sign
U+02AEE						<code>\revnmid</code>	does not divide with reversed negation slash
U+02AEF						<code>\cirmid</code>	vertical line with circle above
U+02AF0						<code>\midcir</code>	vertical line with circle below
U+02AF2						<code>\nhpar</code>	parallel with horizontal stroke
U+02AF3						<code>\parsim</code>	parallel with tilde operator

USV	L	S	E	P	D	Macro	Description
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>\circleftarrow</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
U+02B3D		⇧				<code>\nVtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		⇧				<code>\leftarrowx</code>	leftwards arrow through x
U+02B3F		⇧	⇨			<code>\leftcurvedarrow</code>	wave arrow pointing directly left
U+02B40		⇧				<code>\equalleftarrow</code>	equals sign above leftwards arrow
U+02B41		⇧				<code>\bsimilarleftarrow</code>	reverse tilde operator above leftwards arrow
U+02B42		⇧				<code>\leftarrowbackapprox</code>	leftwards arrow above reverse almost equal to

USV	L	S	E	P	D	Macro	Description
U+02B43		➤				<code>\rightarrowgtr</code>	rightwards arrow through greater-than
U+02B44		➤				<code>\rightarrowsupset</code>	rightwards arrow through subset
U+02B45		⇐				<code>\Lleftarrow</code>	leftwards quadruple arrow
U+02B46		⇒				<code>\Rrightarrow</code>	rightwards quadruple arrow
U+02B47		↗				<code>\bsimilarrightarrow</code>	reverse tilde operator above rightwards arrow
U+02B48		↗				<code>\rightarrowbackapprox</code>	rightwards arrow above reverse almost equal to
U+02B49		↖				<code>\similarleftarrow</code>	tilde operator above leftwards arrow
U+02B4A		↖				<code>\leftarrowapprox</code>	leftwards arrow above almost equal to
U+02B4B		↖				<code>\leftarrowbsimilar</code>	leftwards arrow above reverse tilde operator
U+02B4C		↗				<code>\rightarrowbsimilar</code>	rightwards arrow above reverse tilde operator

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

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

USV	L	S	E	P	D	Macro	Description
U+003A7	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

15.1.2 Upright Greek, lowercase

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

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

15.1.3 Italic, Latin, uppercase

usv	L	S	E	P	D	Macro	Description
U+1D434	<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>	\mitB	mathematical italic capital b
U+1D436	<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>	\mitD	mathematical italic capital d
U+1D438	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mitE	mathematical italic capital e

USV	L	S	E	P	D	Macro	Description
U+1D439	<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>	\mitG	mathematical italic capital g
U+1D43B	<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>	\mitI	mathematical italic capital i
U+1D43D	<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>	\mitK	mathematical italic capital k
U+1D43F	<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>	\mitM	mathematical italic capital m
U+1D441	<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>	\mitO	mathematical italic capital o
U+1D443	<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>	\mitQ	mathematical italic capital q
U+1D445	<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>	\mitS	mathematical italic capital s
U+1D447	<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>	\mitU	mathematical italic capital u
U+1D449	<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>	\mitW	mathematical italic capital w
U+1D44B	<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>	\mitY	mathematical italic capital y
U+1D44D	<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	L	S	E	P	D	Macro	Description
U+1D44E	<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>	\mitb	mathematical italic small b
U+1D450	<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>	\mitd	mathematical italic small d
U+1D452	<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>	\mitf	mathematical italic small f
U+1D454	<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>	\miti	mathematical italic small i
U+1D457	<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>	\mitk	mathematical italic small k
U+1D459	<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>	\mitm	mathematical italic small m
U+1D45B	<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>	\mito	mathematical italic small o
U+1D45D	<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>	\mitq	mathematical italic small q
U+1D45F	<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>	\mits	mathematical italic small s
U+1D461	<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>	\mitu	mathematical italic small u
U+1D463	<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>	\mitw	mathematical italic small w
U+1D465	<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>	\mity	mathematical italic small y

USV	L	S	E	P	D	Macro	Description
U+1D467	<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	L	S	E	P	D	Macro	Description
U+1D6E2	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mitAlpha</code>	mathematical italic capital alpha
U+1D6E3	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</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>	<code>\mitGamma</code>	mathematical italic capital gamma
U+1D6E5	<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>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mitEpsilon</code>	mathematical italic capital epsilon
U+1D6E7	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mitZeta</code>	mathematical italic capital zeta
U+1D6E8	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</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>	<code>\mitTheta</code>	mathematical italic capital theta
U+1D6EA	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mitIota</code>	mathematical italic capital iota
U+1D6EB	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</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>	<code>\mitLambda</code>	mathematical italic capital lambda
U+1D6ED	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mitMu</code>	mathematical italic capital mu
U+1D6EE	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</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>	<code>\mitXi</code>	mathematical italic capital xi
U+1D6F0	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</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>	<code>\mitPi</code>	mathematical italic capital pi
U+1D6F2	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</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>	<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>	<code>\mitSigma</code>	mathematical italic capital sigma
U+1D6F5	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mitTau</code>	mathematical italic capital tau

USV	L	S	E	P	D	Macro	Description
U+1D6F6	Υ	Υ	Υ	Υ	Υ	<code>\mitUpsilon</code>	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	<code>\mitPhi</code>	mathematical italic capital phi
U+1D6F8	χ	χ	χ	χ	χ	<code>\mitChi</code>	mathematical italic capital chi
U+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	<code>\mitPsi</code>	mathematical italic capital psi
U+1D6FA	Ω	Ω	Ω	Ω	Ω	<code>\mitOmega</code>	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

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

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

15.1.7 Script, Latin, uppercase

USV	L	S	E	P	D	Macro	Description
U+1D49C	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mscrA</code>	mathematical script capital a
U+1D49E	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mscrC</code>	mathematical script capital c
U+1D49F	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mscrD</code>	mathematical script capital d
U+1D4A2	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mscrG</code>	mathematical script capital g
U+1D4A5	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mscrJ</code>	mathematical script capital j

USV	L	S	E	P	D	Macro	Description
U+1D4A6	<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>	<code>\mscrN</code>	mathematical script capital n
U+1D4AA	<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>	<code>\mscrP</code>	mathematical script capital p
U+1D4AC	<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>	<code>\mscrS</code>	mathematical script capital s
U+1D4AF	<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>	<code>\mscrU</code>	mathematical script capital u
U+1D4B1	<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>	<code>\mscrW</code>	mathematical script capital w
U+1D4B3	<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>	<code>\mscrY</code>	mathematical script capital y
U+1D4B5	<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	L	S	E	P	D	Macro	Description
U+1D4B6		<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>	<code>\mscrb</code>	mathematical script small b
U+1D4B8		<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>	<code>\mscrd</code>	mathematical script small d
U+1D4BB		<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>	<code>\mscrh</code>	mathematical script small h
U+1D4BE		<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>	<code>\mscrj</code>	mathematical script small j

USV	L	S	E	P	D	Macro	Description
U+1D4C0		<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>	<code>\mscrl</code>	mathematical script small l
U+1D4C2		<i>m</i>		<i>m</i>	<i>m</i>	<code>\mscrm</code>	mathematical script small m
U+1D4C3		<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>	<code>\mscrp</code>	mathematical script small p
U+1D4C6		<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>	<code>\mscrr</code>	mathematical script small r
U+1D4C8		<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>	<code>\mscrt</code>	mathematical script small t
U+1D4CA		<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>	<code>\mscrv</code>	mathematical script small v
U+1D4CC		<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>	<code>\mscrx</code>	mathematical script small x
U+1D4CE		<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>	<code>\mscrz</code>	mathematical script small z

15.1.9 Fraktur, Latin, uppercase

USV	L	S	E	P	D	Macro	Description
U+1D504	<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>	<code>\mfrakB</code>	mathematical fraktur capital b
U+1D507	<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>	<code>\mfrakE</code>	mathematical fraktur capital e
U+1D509	<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>	<code>\mfrakG</code>	mathematical fraktur capital g

USV	L	S	E	P	D	Macro	Description
U+1D50D	𝔍	𝔖	𝔈	𝔓	𝔡	\mfracJ	mathematical fraktur capital j
U+1D50E	𝔖	𝔗	𝔉	𝔔	𝔞	\mfracK	mathematical fraktur capital k
U+1D50F	𝔗	𝔘	𝔇	𝔚	𝔟	\mfracL	mathematical fraktur capital l
U+1D510	𝔘	𝔙	𝔚	𝔛	𝔞	\mfracM	mathematical fraktur capital m
U+1D511	𝔙	𝔚	𝔛	𝔞	𝔞	\mfracN	mathematical fraktur capital n
U+1D512	𝔚	𝔛	𝔛	𝔞	𝔞	\mfracO	mathematical fraktur capital o
U+1D513	𝔛	𝔛	𝔛	𝔞	𝔞	\mfracP	mathematical fraktur capital p
U+1D514	𝔛	𝔛	𝔛	𝔞	𝔞	\mfracQ	mathematical fraktur capital q
U+1D516	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracS	mathematical fraktur capital s
U+1D517	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracT	mathematical fraktur capital t
U+1D518	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracU	mathematical fraktur capital u
U+1D519	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracV	mathematical fraktur capital v
U+1D51A	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracW	mathematical fraktur capital w
U+1D51B	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracX	mathematical fraktur capital x
U+1D51C	𝔞	𝔞	𝔞	𝔞	𝔞	\mfracY	mathematical fraktur capital y

15.1.10 Fraktur, Latin, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakb	mathematical fraktur small b
U+1D520	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakc	mathematical fraktur small c
U+1D521	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakd	mathematical fraktur small d
U+1D522	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrage	mathematical fraktur small e
U+1D523	𝔞	𝔞	𝔞	𝔞	𝔞	\mfrakf	mathematical fraktur small f

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

15.1.11 Blackboard, Latin, uppercase

usv	L	S	E	P	D	Macro	Description
U+1D538	A	A	A	A	A	\BbbA	mathematical double-struck capital a

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

15.1.12 Blackboard, Latin, lowercase

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

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

15.1.13 Sans serif, Latin, uppercase

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

USV	L	S	E	P	D	Macro	Description
U+1D5B7	X	X	X	X	X	\msansX	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	\msansZ	mathematical sans-serif capital z

15.1.14 Sans serif, Latin, lowercase

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

USV	L	S	E	P	D	Macro	Description
U+1D5CC	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\msanss</code>	mathematical sans-serif small s
U+1D5CD	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\msanst</code>	mathematical sans-serif small t
U+1D5CE	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\msansu</code>	mathematical sans-serif small u
U+1D5CF	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\msansv</code>	mathematical sans-serif small v
U+1D5D0	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\msansw</code>	mathematical sans-serif small w
U+1D5D1	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\msansx</code>	mathematical sans-serif small x
U+1D5D2	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\msansy</code>	mathematical sans-serif small y
U+1D5D3	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\msansz</code>	mathematical sans-serif small z

15.1.15 Italic sans serif, Latin, uppercase

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

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

15.1.16 Italic sans serif, Latin, lowercase

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

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

15.1.17 Typewriter, Latin, uppercase

usv	L	S	E	P	D	Macro	Description
U+1D670	A	A	A	A	A	\mttA	mathematical monospace capital a
U+1D671	B	B	B	B	B	\mttB	mathematical monospace capital b
U+1D672	C	C	C	C	C	\mttC	mathematical monospace capital c

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

15.1.18 Typewriter, Latin, lowercase

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

USV	L	S	E	P	D	Macro	Description
U+1D6A1	x	x	x	x	x	\mttx	mathematical monospace small x
U+1D6A2	y	y	y	y	y	\mtty	mathematical monospace small y
U+1D6A3	z	z	z	z	z	\mttz	mathematical monospace small z

15.2 Bold

15.2.1 Bold, Latin, uppercase

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

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

15.2.2 Bold, Latin, lowercase

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

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

15.2.3 Bold Greek, uppercase

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

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

15.2.4 Bold Greek, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D6C2	α	α	α	α	α	\mbfalpha	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	γ	γ	γ	\mbfgamma	mathematical bold small gamma

USV	L	S	E	P	D	Macro	Description
U+1D6C5	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta
U+1D6C6	ε	ε	ε	ε	ε	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	ζ	ζ	ζ	ζ	ζ	\mbfzeta	mathematical bold small zeta
U+1D6C8	η	η	η	η	η	\mbfeta	mathematical bold small eta
U+1D6C9	θ	θ	θ	θ	θ	\mbftheta	mathematical bold small theta
U+1D6CA	ι	ι	ι	ι	ι	\mbfiota	mathematical bold small iota
U+1D6CB	κ	κ	κ	κ	κ	\mbfkappa	mathematical bold small kappa
U+1D6CC	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
U+1D6CD	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
U+1D6CE	ν	ν	ν	ν	ν	\mbfnu	mathematical bold small nu
U+1D6CF	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
U+1D6D0	ο	ο	ο	ο	ο	\mbfomicron	mathematical bold small omicron
U+1D6D1	π	π	π	π	π	\mbfpi	mathematical bold small pi
U+1D6D2	ρ	ρ	ρ	ρ	ρ	\mbfrho	mathematical bold small rho
U+1D6D3	ς	ς	ς	ς	ς	\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma
U+1D6D5	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
U+1D6D6	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	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	L	S	E	P	D	Macro	Description
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	κ	κ	κ	κ	κ	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	ϕ	ϕ	ϕ	ϕ	ϕ	\mbfphi	mathematical bold phi symbol
U+1D6E0	ρ	ρ	ρ	ρ	ρ	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	π	π	π	π	π	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	L	S	E	P	D	Macro	Description
U+1D468	<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>	\mbfitB	mathematical bold italic capital b
U+1D46A	<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>	\mbfitD	mathematical bold italic capital d
U+1D46C	<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>	\mbfitF	mathematical bold italic capital f
U+1D46E	<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>	\mbfitH	mathematical bold italic capital h
U+1D470	<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>	\mbfitJ	mathematical bold italic capital j
U+1D472	<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>	\mbfitL	mathematical bold italic capital l
U+1D474	<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>	\mbfitN	mathematical bold italic capital n
U+1D476	<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>	\mbfitP	mathematical bold italic capital p

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

15.2.6 Bold italic, Latin, lowercase

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

USV	L	S	E	P	D	Macro	Description
U+1D48D	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<code>\mbfitz</code>	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	L	S	E	P	D	Macro	Description
U+1D71C	<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>	<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>	<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>	<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>	<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>	<code>\mbfitZeta</code>	mathematical bold italic capital zeta

USV	L	S	E	P	D	Macro	Description
U+1D722	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<code>\mbfitXi</code>	mathematical bold italic capital xi
U+1D72A	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<code>\mbfitOmega</code>	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D736	<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>	<code>\mbfitbeta</code>	mathematical bold italic small beta

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

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

15.2.9 Bold script, Latin, uppercase

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

USV	L	S	E	P	D	Macro	Description
U+1D4DF	<i>P</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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<code>\mbfscrX</code>	mathematical bold script capital x
U+1D4E8	<i>Y</i>	<i>Ṱ</i>	<i>Ṱ</i>	<i>Ṱ</i>	<i>Ṱ</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>	<code>\mbfscrZ</code>	mathematical bold script capital z










































































































15.2.10 Bold script, Latin, lowercase

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

USV	L	S	E	P	D	Macro	Description
U+1D4F4		<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>	<code>\mbfscr1</code>	mathematical bold script small l
U+1D4F6		<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>	<code>\mbfscrn</code>	mathematical bold script small n
U+1D4F8		<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>	<code>\mbfscrp</code>	mathematical bold script small p
U+1D4FA		<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>	<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<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>	<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<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>	<code>\mbfscr v</code>	mathematical bold script small v
U+1D500		<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>	<code>\mbfscrx</code>	mathematical bold script small x
U+1D502		<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>	<code>\mbfscrz</code>	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

USV	L	S	E	P	D	Macro	Description
U+1D56C	<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>	<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>	<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>	<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>	<code>\mbffrakE</code>	mathematical bold fraktur capital e

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

15.2.12 Bold fraktur, Latin, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D586	ɑ	ɑ	ɑ	ɑ	ɑ	<code>\mbffraka</code>	mathematical bold fraktur small a
U+1D587	ʙ	ʙ	ʙ	ʙ	ʙ	<code>\mbffrakb</code>	mathematical bold fraktur small b
U+1D588	ƒ	ƒ	ƒ	ƒ	ƒ	<code>\mbffrakc</code>	mathematical bold fraktur small c
U+1D589	ɖ	ɖ	ɖ	ɖ	ɖ	<code>\mbffrakd</code>	mathematical bold fraktur small d
U+1D58A	ɛ	ɛ	ɛ	ɛ	ɛ	<code>\mbffrake</code>	mathematical bold fraktur small e
U+1D58B	ƒ	ƒ	ƒ	ƒ	ƒ	<code>\mbffrakf</code>	mathematical bold fraktur small f
U+1D58C	ɡ	ɡ	ɡ	ɡ	ɡ	<code>\mbffrakg</code>	mathematical bold fraktur small g
U+1D58D	ʜ	ʜ	ʜ	ʜ	ʜ	<code>\mbffrakh</code>	mathematical bold fraktur small h
U+1D58E	ɪ	ɪ	ɪ	ɪ	ɪ	<code>\mbffraki</code>	mathematical bold fraktur small i
U+1D58F	ʝ	ʝ	ʝ	ʝ	ʝ	<code>\mbffrakj</code>	mathematical bold fraktur small j
U+1D590	ƙ	ƙ	ƙ	ƙ	ƙ	<code>\mbffrakk</code>	mathematical bold fraktur small k
U+1D591	ʟ	ʟ	ʟ	ʟ	ʟ	<code>\mbffrakl</code>	mathematical bold fraktur small l
U+1D592	ɱ	ɱ	ɱ	ɱ	ɱ	<code>\mbffrakm</code>	mathematical bold fraktur small m
U+1D593	ɳ	ɳ	ɳ	ɳ	ɳ	<code>\mbffrakn</code>	mathematical bold fraktur small n
U+1D594	ɔ	ɔ	ɔ	ɔ	ɔ	<code>\mbffrako</code>	mathematical bold fraktur small o
U+1D595	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	<code>\mbffrakp</code>	mathematical bold fraktur small p
U+1D596	q	q	q	q	q	<code>\mbffraq</code>	mathematical bold fraktur small q
U+1D597	ɾ	ɾ	ɾ	ɾ	ɾ	<code>\mbffrakr</code>	mathematical bold fraktur small r
U+1D598	ʂ	ʂ	ʂ	ʂ	ʂ	<code>\mbffraks</code>	mathematical bold fraktur small s
U+1D599	ʈ	ʈ	ʈ	ʈ	ʈ	<code>\mbffrakt</code>	mathematical bold fraktur small t
U+1D59A	ɯ	ɯ	ɯ	ɯ	ɯ	<code>\mbffraku</code>	mathematical bold fraktur small u
U+1D59B	ʋ	ʋ	ʋ	ʋ	ʋ	<code>\mbffrakv</code>	mathematical bold fraktur small v
U+1D59C	ɰ	ɰ	ɰ	ɰ	ɰ	<code>\mbffrakw</code>	mathematical bold fraktur small w
U+1D59D	ɣ	ɣ	ɣ	ɣ	ɣ	<code>\mbffrakx</code>	mathematical bold fraktur small x

USV	L	S	E	P	D	Macro	Description
U+1D59E	ŧ	ŧ	ŧ	ŧ	ŧ	\mbffraky	mathematical bold fraktur small y
U+1D59F	Ẓ	Ẓ	Ẓ	Ẓ	Ẓ	\mbffrakz	mathematical bold fraktur small z

15.2.13 Bold sans serif, Latin, uppercase

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

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

15.2.14 Bold sans serif, Latin, lowercase

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

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

15.2.15 Bold italic sans serif, Latin, uppercase

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

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

15.2.16 Bold italic sans serif, Latin, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D656	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mbfitsansa</code>	mathematical sans-serif bold italic small a
U+1D657	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mbfitsansb</code>	mathematical sans-serif bold italic small b
U+1D658	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mbfitsansc</code>	mathematical sans-serif bold italic small c
U+1D659	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mbfitsansd</code>	mathematical sans-serif bold italic small d

USV	L	S	E	P	D	Macro	Description
U+1D65A	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

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

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

15.2.18 Bold sans serif Greek, lowercase

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

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

15.2.19 Bold italic sans serif Greek, uppercase

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

USV	L	S	E	P	D	Macro	Description
U+1D799	<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>	<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>	<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>	<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>	<code>\mbfitsansXi</code>	mathematical sans-serif bold italic capital xi
U+1D79E	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</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>	<code>\mbfitsansPi</code>	mathematical sans-serif bold italic capital pi
U+1D7A0	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</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>	<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>	<code>\mbfitsansSigma</code>	mathematical sans-serif bold italic capital sigma
U+1D7A3	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</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>	<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>	<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>	<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>	<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>	<code>\mbfitsansOmega</code>	mathematical sans-serif bold italic capital omega

15.2.20 Bold italic sans serif Greek, lowercase

USV	L	S	E	P	D	Macro	Description
U+1D7AA	<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>	<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>	<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>	<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>	<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic small varepsilon

USV	L	S	E	P	D	Macro	Description
U+1D7AF	ζ	ζ	ζ	ζ	ζ	\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	η	η	η	η	η	\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	θ	θ	θ	θ	θ	\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	ι	ι	ι	ι	ι	\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	κ	κ	κ	κ	κ	\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	λ	λ	λ	λ	λ	\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	μ	μ	μ	μ	μ	\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	ν	ν	ν	ν	ν	\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	ξ	ξ	ξ	ξ	ξ	\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	ο	ο	ο	ο	ο	\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	π	π	π	π	π	\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	ρ	ρ	ρ	ρ	ρ	\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	ς	ς	ς	ς	ς	\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	σ	σ	σ	σ	σ	\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	τ	τ	τ	τ	τ	\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	υ	υ	υ	υ	υ	\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	φ	φ	φ	φ	φ	\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	χ	χ	χ	χ	χ	\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	ψ	ψ	ψ	ψ	ψ	\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	ω	ω	ω	ω	ω	\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	∂	∂	∂	∂	∂	\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	ε	ε	ε	ε	ε	\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	κ	κ	κ	κ	κ	\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol

USV	L	S	E	P	D	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	L	S	E	P	D	Macro	Description
U+000F0	ð	ð	ð	ð	ð	<code>\matheth</code>	eth
U+02010	-	-	-	-	-	<code>\mathhyphen</code>	hyphen
U+02102	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	<code>\BbbC</code>	/bbb c, open face c
U+0210A		ɡ	ɡ	ɡ	ɡ	<code>\mscrɡ</code>	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	<code>\mscrH</code>	hamiltonian (script capital h)
U+0210C	ℋ	ℋ	ℋ	ℋ	ℋ	<code>\mfracH</code>	/frac h, upper case h
U+0210D	ℋ	ℋ	ℋ	ℋ	ℋ	<code>\BbbH</code>	/bbb h, open face h
U+0210F	ℏ	ℏ	ℏ	ℏ	ℏ	<code>\hslash^(a)</code>	/hslash - variant planck's over 2pi
U+02110	ℐ	ℐ	ℐ	ℐ	ℐ	<code>\mscrI</code>	/scr i, script letter i
U+02111	ℑ	ℑ	ℑ	ℑ	ℑ	<code>\Im^(p)</code>	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	<code>\mscrL</code>	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	<code>\ell^(p)</code>	cursive small l
U+02115	ℕ	ℕ	ℕ	ℕ	ℕ	<code>\BbbN</code>	/bbb n, open face n
U+02118	ℙ	ℙ	ℙ	ℙ	ℙ	<code>\wp^(p)</code>	weierstrass p
U+02119	ℙ	ℙ	ℙ	ℙ	ℙ	<code>\BbbP</code>	/bbb p, open face p
U+0211A	ℚ	ℚ	ℚ	ℚ	ℚ	<code>\BbbQ</code>	/bbb q, open face q
U+0211B	ℛ	ℛ	ℛ	ℛ	ℛ	<code>\mscrR</code>	/scr r, script letter r
U+0211C	ℜ	ℜ	ℜ	ℜ	ℜ	<code>\Re^(p)</code>	real part

USV	L	S	E	P	D	Macro	Description
U+0211D	\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}	<code>\BbbZ</code>	/bbb z, open face z
U+02128	$\frac{3}{2}$	$\frac{3}{2}$	$\frac{3}{2}$	$\frac{3}{2}$	$\frac{3}{2}$	<code>\mfracZ</code>	/frak z, upper case z
U+02129		ι				<code>\turnediota</code>	turned iota
U+0212B	\AA	\AA	\AA	\AA	\AA	<code>\Angstrom</code>	angstrom capital a, ring
U+0212C	\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}	<code>\mfracC</code>	black-letter capital c
U+0212F		\mathfrak{e}	\mathfrak{e}	\mathfrak{e}	\mathfrak{e}	<code>\mscre</code>	/scr e, script letter e
U+02130	\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}	<code>\mscrF</code>	/scr f, script letter f
U+02133	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	\mathcal{M}	<code>\mscrM</code>	physics m-matrix (script capital m)
U+02134		\mathfrak{o}	\mathfrak{o}	\mathfrak{o}	\mathfrak{o}	<code>\mscro</code>	order of (script small o)
U+02135	\aleph	\aleph	\aleph	\aleph	\aleph	<code>\aleph^(p)</code>	aleph, hebrew
U+02136	\beth	\beth	\beth	\beth	\beth	<code>\beth^(a)</code>	beth, hebrew
U+02137	\gimel	\gimel	\gimel	\gimel	\gimel	<code>\gimel^(a)</code>	gimel, hebrew
U+02138	\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	\mathfrak{i}	\mathfrak{i}	\mathfrak{i}	\mathfrak{i}	\mathfrak{i}	<code>\imath^(p)</code>	mathematical italic small dotless i
U+1D6A5	\mathfrak{j}	\mathfrak{j}	\mathfrak{j}	\mathfrak{j}	\mathfrak{j}	<code>\jmath^(p)</code>	mathematical italic small dotless j
U+1D6C1	∇	∇	∇	∇	∇	<code>\mbfnabla</code>	mathematical bold nabla

USV	L	S	E	P	D	Macro	Description
U+1D6FB	↵	↗	↵	↗	↗	<code>\mitnabla</code>	mathematical italic nabla
U+1D735	↵	↗	↵	↗	↗	<code>\mbfitnabla</code>	mathematical bold italic nabla
U+1D76F	↵	↗	↵	↗	↗	<code>\mbfsansnabla</code>	mathematical sans-serif bold nabla
U+1D7A9	↵	↗	↵	↗	↗	<code>\mbfitsansnabla</code>	mathematical sans-serif bold italic nabla
U+1D7CA		ƒ				<code>\mbfDigamma</code>	mathematical bold capital digamma
U+1D7CB		ƒ				<code>\mbfdigamma</code>	mathematical bold small digamma