

# Every symbol (most symbols) defined by unicode-math

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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. Eight fonts are shown: (with approximate symbol counts)

M **Latin Modern Math** (1580)

X **XITS Math** (2429)

S **STIX Math** (2398)

C **Cambria Math** (2183)

A **Asana Math** (2249)

P **TeX Gyre Pagella Math** (1604)

E **Neo Euler** (573)

Symbols defined in Plain  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  are indicated with <sup>(p)</sup> 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 <sup>(l)</sup> Symbols defined in `amssymb` are indicated with <sup>(a)</sup>.

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# 1 Opening symbols, \mathopen

USV	M	X	S	C	A	P	E	Macro	Description
U+00028	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace <sup>(p)</sup>	left curly bracket
U+0221A	✓	✓	✓	✓	✓	✓	✓	\sqrt <sup>(p)</sup>	radical
U+0221B		√ <sup>3</sup>	√ <sup>3</sup>	√ <sup>3</sup>	√ <sup>3</sup>		√ <sup>3</sup>	\cuberoot	cube root
U+0221C		√ <sup>4</sup>	√ <sup>4</sup>	√ <sup>4</sup>	√ <sup>4</sup>		√ <sup>4</sup>	\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil <sup>(p)</sup>	left ceiling
U+0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor <sup>(p)</sup>	left floor
U+0231C	⌑	⌑	⌑	⌑	⌑	⌑		\ulcorner	upper left corner
U+0231E	⌔	⌔	⌔	⌔	⌔	⌔		\llcorner	lower left corner
U+023B0		⌋		⌋				\lmoustache <sup>(p)</sup>	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 <sup>(p)</sup>	mathematical left angle bracket
U+027EA	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lAngle	mathematical left double angle bracket
U+027EC		⌈	⌈		⌈			\lbrbrak	mathematical left white tortoise shell bracket
U+027EE	(	(	(	(	(	(		\lgroup <sup>(p)</sup>	mathematical left flattened parenthesis
U+02983		{	{	{	{			\lBrace	left white curly bracket
U+02985		(	(	(	(			\lParen	left white parenthesis
U+02987		⌈	⌈	⌈	⌈			\llparenthesis	z notation left image bracket
U+02989		⌈	⌈	⌈	⌈			\llangle	z notation left binding bracket
U+0298B		⌈	⌈	⌈	⌈			\lbrackubar	left square bracket with underbar
U+0298D		⌈	⌈	⌈	⌈			\lbrackultick	left square bracket with tick in top corner
U+0298F		⌈	⌈	⌈	⌈			\lbracklltick	left square bracket with tick in bottom corner
U+02991		⌈	⌈	⌈	⌈			\langedot	left angle bracket with dot
U+02993		⌈	⌈	⌈	⌈			\lparenless	left arc less-than bracket
U+02995		⌈	⌈	⌈	⌈			\lparengtr	double left arc greater-than bracket
U+02997		⌈	⌈	⌈	⌈			\lblkbrbrak	left black tortoise shell bracket
U+029D8		⌈	⌈	⌈	⌈			\lvzigzag	left wiggly fence
U+029DA		⌈	⌈	⌈	⌈			\Lvzigzag	left double wiggly fence
U+029FC		⌈	⌈	⌈	⌈			\lcurvyangle	left pointing curved angle bracket

## 2 Closing symbols, \mathclose

USV	M	X	S	C	A	P	E	Macro	Description
U+00029	)	)	)	)	)	)	)	\rparen	right parenthesis
U+0005D	]	]	]	]	]	]	]	\rbrack	right square bracket
U+0007D	}	}	}	}	}	}	}	\rbrace <sup>(p)</sup>	right curly bracket
U+02309	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rceil <sup>(p)</sup>	right ceiling
U+0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rfloor <sup>(p)</sup>	right floor
U+0231D	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\urcorner	upper right corner
U+0231F	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lrcorner	lower right corner
U+023B1	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rmoustache <sup>(p)</sup>	upper right or lower left curly bracket section
U+02773	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rbrbrak	light right tortoise shell bracket ornament
U+027C6	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rbag	right s-shaped bag delimiter
U+027E7	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\RBrack	mathematical right white square bracket
U+027E9	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rangle <sup>(p)</sup>	mathematical right angle bracket
U+027EB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rAngle	mathematical right double angle bracket
U+027ED	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\Rbrbrak	mathematical right white tortoise shell bracket
U+027EF	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rgroup <sup>(p)</sup>	mathematical right flattened parenthesis
U+02984	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rBrace	right white curly bracket
U+02986	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rParen	right white parenthesis
U+02988	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rrparenthesis	z notation right image bracket
U+0298A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rrangle	z notation right binding bracket
U+0298C	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rbrackubar	right square bracket with underbar
U+0298E	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rbracklrtick	right square bracket with tick in bottom corner
U+02990	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rbrackurtick	right square bracket with tick in top corner
U+02992	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rangledot	right angle bracket with dot
U+02994	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rpargtr	right arc greater-than bracket
U+02996	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\Rparenless	double right arc less-than bracket
U+02998	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rblbrbrak	right black tortoise shell bracket
U+029D9	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rvzigzag	right wiggly fence
U+029DB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\Rvzigzag	right double wiggly fence
U+029FD	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rcurvyangle	right pointing curved angle bracket

### 3 Fence symbols, `\mathfence`

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

### 4 Punctuation symbols, `\mathpunct`

USV	M	X	S	C	A	P	E	Macro	Description
U+00021	!	!	!	!	!	!	!	<code>\mathexclam</code>	exclamation mark
U+0002C	,	,	,	,	,	,	,	<code>\mathcomma</code>	comma
U+0003A	:	:	:	:	:	:	:	<code>\mathcolon</code>	colon
U+0003B	;	;	;	;	;	;	;	<code>\mathsemicolon</code>	semicolon p:

### 5 ‘Over’ symbols, `\mathover`

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

### 6 ‘Under’ symbols, `\mathunder`

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

## 7 Accents, \mathaccent

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

USV	M	X	S	C	A	P	E	Macro	Description
U+00300	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	<code>\grave{grave}</code> <sup>(p)</sup>	grave accent
U+00301	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	<code>\acute{acute}</code> <sup>(p)</sup>	acute accent
U+00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	<code>\hat{hat}</code> <sup>(p)</sup>	circumflex accent
U+00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	<code>\tilde{tilde}</code> <sup>(p)</sup>	tilde
U+00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	<code>\bar{bar}</code> <sup>(p)</sup>	macron
U+00305	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	$\overline{x}$	<code>\overbar</code>	overbar embellishment
U+00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	<code>\breve{breve}</code> <sup>(p)</sup>	breve
U+00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	<code>\dot{dot}</code> <sup>(p)</sup>	dot above
U+00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	<code>\ddot{ddot}</code> <sup>(p)</sup>	dieresis
U+00309	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	$\mathring{x}$	<code>\mathring{ovhook}</code>	combining hook above
U+0030A	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{ocirc}}</code>	ring
U+0030C	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{check}}</code> <sup>(p)</sup>	caron
U+00310		$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$				<code>\text{\textcircled{candra}}</code>	candrabindu (non-spacing)
U+00312		$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$				<code>\text{\textcircled{oturnedcomma}}</code>	combining turned comma above
U+00315		$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$				<code>\text{\textcircled{ocommatopright}}</code>	combining comma above right
U+0031A		$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$				<code>\text{\textcircled{droang}}</code>	left angle above (non-spacing)
U+00338	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{not}}</code> <sup>(p)</sup>	combining long solidus overlay
U+020D0	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{leftharpoonaccent}}</code>	combining left harpoon above
U+020D1	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{rightharpoonaccent}}</code>	combining right harpoon above
U+020D2	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{vertoverlay}}</code>	combining long vertical line overlay
U+020D7	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{vec}}</code> <sup>(p)</sup>	combining right arrow above
U+020DB	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{ddd}</code>	combining three dots above
U+020DC	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{dddd}</code>	combining four dots above
U+020E7		$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$			<code>\text{\textcircled{annuity}}</code>	combining annuity symbol
U+020E9	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{widebridgeabove}}</code>	combining wide bridge above
U+020F0	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	<code>\text{\textcircled{asteraccent}}</code>	combining asterisk above

























































































## 8 Bottom accents, \mathbotaccent

USV	M	X	S	C	A	P	E	Macro	Description
U+020E8	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$	$\text{\textcircled{x}}$		<code>\text{\textcircled{threeunderdot}}</code>	combining triple underdot

## 9 Big operators, \mathop













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

usv	M	X	S	C	A	P	E	Macro	Description
U+02140	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$		<code>\Bbbsum</code>	double-struck n-ary summation
U+0220F	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	<code>\prod<sup>(p)</sup></code>	product operator
U+02210	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	<code>\coprod<sup>(p)</sup></code>	coproduct operator
U+02211	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	<code>\sum<sup>(p)</sup></code>	summation operator
U+0222B	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	<code>\int<sup>(p)</sup></code>	integral operator
U+0222C	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	<code>\iint</code>	double integral operator
U+0222D	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	<code>\iiint</code>	triple integral operator
U+0222E	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	<code>\oint<sup>(p)</sup></code>	contour integral operator
U+0222F	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	<code>\oint</code>	double contour integral operator
U+02230	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	<code>\oiint</code>	triple contour integral operator
U+02231	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	<code>\intclockwise</code>	clockwise integral
U+02232	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	<code>\varointclockwise</code>	contour integral, clockwise
U+02233	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	<code>\ointctrackwise</code>	contour integral, anticlockwise
U+022C0	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	<code>\bigwedge<sup>(p)</sup></code>	logical or operator
U+022C1	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	<code>\bigvee<sup>(p)</sup></code>	logical and operator
U+022C2	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	<code>\bigcap<sup>(p)</sup></code>	intersection operator
U+022C3	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	<code>\bigcup<sup>(p)</sup></code>	union operator































































































































































































































USV	M	X	S	C	A	P	E	Macro	Description
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<sup>(p)</sup></code>	n-ary circled dot operator
U+02A01								<code>\bigoplus<sup>(p)</sup></code>	n-ary circled plus operator
U+02A02								<code>\bigotimes<sup>(p)</sup></code>	n-ary circled times operator
U+02A03								<code>\bigcupdot</code>	n-ary union operator with dot
U+02A04								<code>\biguplus<sup>(p)</sup></code>	n-ary union operator with plus
U+02A05								<code>\bigsqcap</code>	n-ary square intersection operator
U+02A06								<code>\bigsqcup<sup>(p)</sup></code>	n-ary square union operator
U+02A07								<code>\conjquant</code>	two logical and operator
U+02A08								<code>\disjquant</code>	two logical or operator
U+02A09								<code>\bigtimes</code>	n-ary times operator



USV	M	X	S	C	A	P	E	Macro	Description
U+02A0A		$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$			<code>\modtwosum</code>	modulo two sum
U+02A0B		$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$			<code>\sumint</code>	summation with integral
U+02A0C	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	<code>\iiint</code>	quadruple integral operator
U+02A0D		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intbar</code>	finite part integral
U+02A0E		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intBar</code>	integral with double stroke
U+02A0F		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\fint</code>	integral average with slash
U+02A10		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\cirfnint</code>	circulation function
U+02A11	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$		<code>\awint</code>	anticlockwise integration
U+02A12		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\rppointint</code>	line integration with rectangular path around pole
U+02A13		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\scpointint</code>	line integration with semicircular path around pole
U+02A14		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\npointint</code>	line integration not including the pole
U+02A15		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\pointint</code>	integral around a point operator
U+02A16		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\sqint</code>	quaternion integral operator
U+02A17		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intlarhk</code>	integral with leftwards arrow with hook
U+02A18		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intx</code>	integral with times sign
U+02A19		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intcap</code>	integral with intersection
U+02A1A		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\intcup</code>	integral with union
U+02A1B		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\upint</code>	integral with overbar
U+02A1C		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\lowint</code>	integral with underbar
U+02A1D		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\Join</code>	join
U+02A1E		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\bigtriangleleftleft</code>	large left triangle operator
U+02A1F		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\zcmp</code>	z notation schema composition
U+02A20		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$			<code>\zpipe</code>	z notation schema piping

USV	M	X	S	C	A	P	E	Macro	Description
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

## 10 Binary relations, `\mathbin`

USV	M	X	S	C	A	P	E	Macro	Description
U+0002B								<code>\mathplus</code>	plus sign b:
U+000B1								<code>\pm^{(p)}</code>	plus-or-minus sign
U+000B7								<code>\cdotp^{(p)}</code>	/centerdot b: middle dot
U+000D7								<code>\times^{(p)}</code>	multiply sign
U+000F7								<code>\div^{(p)}</code>	divide sign
U+02020								<code>\dagger^{(p)}</code>	dagger relation
U+02021								<code>\ddagger^{(p)}</code>	double dagger relation
U+02022								<code>\smblkcircle</code>	/bullet b: round bullet, filled
U+02040								<code>\tieconcat</code>	character tie, z notation sequence concatenation
U+02044								<code>\fracslash</code>	fraction slash
U+0214B								<code>\upand</code>	turned ampersand
U+02212								<code>\minus</code>	minus sign
U+02213								<code>\mp^{(p)}</code>	minus-or-plus sign
U+02214								<code>\dotplus^{(a)}</code>	plus sign, dot above
U+02215								<code>\divslash</code>	division slash
U+02216								<code>\smallsetminus^{(a)}</code>	small set minus (cf. reverse solidus)
U+02217								<code>\ast^{(p)}</code>	centered asterisk
U+02218								<code>\vismwhtcircle</code>	composite function (small circle)
U+02219								<code>\vismblkcircle</code>	bullet operator
U+02227								<code>\wedge^{(p)}</code>	/wedge /land b: logical and
U+02228								<code>\vee^{(p)}</code>	/vee /lor b: logical or
U+02229								<code>\cap^{(p)}</code>	intersection
U+0222A								<code>\cup^{(p)}</code>	union or logical sum
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

usv	M	X	S	C	A	P	E	Macro	Description
U+02298								<code>\oslash<sup>(p)</sup></code>	solidus in circle
U+02299								<code>\odot<sup>(p)</sup></code>	middle dot in circle
U+0229A								<code>\circledcirc<sup>(a)</sup></code>	small circle in circle
U+0229B								<code>\circledast<sup>(a)</sup></code>	asterisk in circle
U+0229C								<code>\circledequal</code>	equal in circle
U+0229D								<code>\circleddash<sup>(a)</sup></code>	hyphen in circle
U+0229E								<code>\boxplus<sup>(a)</sup></code>	plus sign in box
U+0229F								<code>\boxminus<sup>(a)</sup></code>	minus sign in box
U+022A0								<code>\boxtimes<sup>(a)</sup></code>	multiply sign in box
U+022A1								<code>\boxdot<sup>(a)</sup></code>	/dotsquare /boxdot b: small dot in box
U+022BA								<code>\intercal<sup>(a)</sup></code>	intercal
U+022BB								<code>\veebar<sup>(a)</sup></code>	logical or, bar below (large vee); exclusive disjunction
U+022BC								<code>\barwedge<sup>(a)</sup></code>	bar, wedge (large wedge)
U+022BD								<code>\barvee</code>	bar, vee (large vee)
U+022C4								<code>\smwhtdiamond</code>	white diamond
U+022C5								<code>\cdot<sup>(p)</sup></code>	small middle dot
U+022C6								<code>\star<sup>(p)</sup></code>	small star, filled, low
U+022C7								<code>\divideontimes<sup>(a)</sup></code>	division on times
U+022C9								<code>\ltimes<sup>(a)</sup></code>	times sign, left closed
U+022CA								<code>\rtimes<sup>(a)</sup></code>	times sign, right closed
U+022CB								<code>\leftthreetimes<sup>(a)</sup></code>	left semidirect product
U+022CC								<code>\rightthreetimes<sup>(a)</sup></code>	right semidirect product
U+022CE								<code>\curlyvee<sup>(a)</sup></code>	curly logical or
U+022CF								<code>\curlywedge<sup>(a)</sup></code>	curly logical and
U+022D2								<code>\Cap<sup>(a)</sup></code>	/cap /doublecap b: double intersection
U+022D3								<code>\Cup<sup>(a)</sup></code>	/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<sup>(p)</sup></code>	big up triangle, open
U+025B7								<code>\triangleright<sup>(p)</sup></code>	(large) right triangle, open; z notation range restriction
U+025C1								<code>\triangleleft<sup>(p)</sup></code>	(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
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+02982								<code>\typecolon</code>	z notation type colon
U+029B5								<code>\circlehbar</code>	circle with horizontal bar
U+029B6								<code>\circledvert</code>	circled vertical bar
U+029B7								<code>\circledparallel</code>	circled parallel
U+029B8								<code>\obslash</code>	circled reverse solidus
U+029B9								<code>\operp</code>	circled perpendicular
U+029C0								<code>\olessthan</code>	circled less-than

usv	M	X	S	C	A	P	E	Macro	Description
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>\mdlgblklozenge</code>	black lozenge
U+029F5								<code>\setminus<sup>(p)</sup></code>	reverse solidus operator
U+029F6								<code>\dsol</code>	solidus with overbar
U+029F7								<code>\rsolbar</code>	reverse solidus with horizontal stroke
U+029FA								<code>\doubleplus</code>	double plus
U+029FB								<code>\tripleplus</code>	triple plus
U+029FE								<code>\tplus</code>	tiny
U+029FF								<code>\tminus</code>	miny
U+02A22								<code>\ringplus</code>	plus sign with small circle above
U+02A23								<code>\plushat</code>	plus sign with circumflex accent above
U+02A24								<code>\simplus</code>	plus sign with tilde above
U+02A25								<code>\plusdot</code>	plus sign with dot below
U+02A26								<code>\plussim</code>	plus sign with tilde below
U+02A27								<code>\plussubtwo</code>	plus sign with subscript two
U+02A28								<code>\plustrif</code>	plus sign with black triangle
U+02A29								<code>\commaminus</code>	minus sign with comma above
U+02A2A								<code>\minusdot</code>	minus sign with dot below
U+02A2B								<code>\minusfdots</code>	minus sign with falling dots
U+02A2C								<code>\minusrdots</code>	minus sign with rising dots
U+02A2D								<code>\opluslhrim</code>	plus sign in left half circle
U+02A2E								<code>\oplusrhrim</code>	plus sign in right half circle
U+02A2F	×					×		<code>\vectimes</code>	vector or cross product
U+02A30								<code>\dottimes</code>	multiplication sign with dot above
U+02A31								<code>\timesbar</code>	multiplication sign with underbar
U+02A32								<code>\btimes</code>	semidirect product with bottom closed
U+02A33								<code>\smashtimes</code>	smash product
U+02A34								<code>\otimeslhrim</code>	multiplication sign in left half circle
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>\triangle\times</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	II					II		<code>\amalg<sup>(p)</sup></code>	amalgamation or coproduct
U+02A40								<code>\capdot</code>	intersection with dot
U+02A41								<code>\uminus</code>	union with minus sign

USV	M	X	S	C	A	P	E	Macro	Description
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
U+02A4D								<code>\closedvarcap</code>	closed intersection with serifs
U+02A4E								<code>\Ssqcap</code>	double square intersection
U+02A4F								<code>\Ssqcup</code>	double square union
U+02A50								<code>\closedvarcupsmashprod</code>	closed union with serifs and smash product
U+02A51								<code>\wedgedot</code>	logical and with dot above
U+02A52								<code>\veedot</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<sup>(a)</sup></code>	logical and with double overbar
U+02A5F								<code>\wedgear</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>\dsub</code>	z notation domain antirestriction
U+02A65								<code>\rsub</code>	z notation range antirestriction
U+02A71								<code>\eqqplus</code>	equals sign above plus sign
U+02A72								<code>\pluseqq</code>	plus sign above equals sign
U+02AF4								<code>\interleave</code>	triple vertical bar binary relation
U+02AF5								<code>\nhVvert</code>	triple vertical bar with horizontal stroke
U+02AF6								<code>\threedotcolon</code>	triple colon operator
U+02AFB								<code>\trslash</code>	triple solidus binary relation
U+02AFD								<code>\sslash</code>	double solidus operator
U+02AFE								<code>\talloblong</code>	white vertical bar

## 11 Ordinary symbols, \mathord

USV	M	X	S	C	A	P	E	Macro	Description
U+00023	#	#	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	\$	\$	\$	\$	\$	\$	\$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	%	%	\mathpercent	percent sign
U+00026	&	&	&	&	&	&	&	\mathampersand	ampersand
U+0002E	.	.	.	.	.	.	.	\mathperiod	full stop, period
U+0002F	/	/	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	?	?	\mathquestion	question mark
U+00040	@	@	@	@	@	@	@	\mathatsign	commercial at
U+0005C	\	\	\	\	\	\	\	\backslash <sup>(p)</sup>	reverse solidus
U+000A3	£	£	£	£	£	£		\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥		\mathyen	yen sign
U+000AC	¬	¬	¬	¬	¬	¬	¬	\neg <sup>(p)</sup>	/neg /lnot not sign
U+001B5		Z	Z	Z				\Zbar	impedance (latin capital letter z with stroke)
U+003D8		Q	Q	Q				\upoldKoppa	greek letter archaic koppa
U+003D9		q	q	q				\upoldkoppa	greek small letter archaic koppa
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 <sup>(p)</sup>	prime or minute, not superscripted
U+02033	''	''	''	''	''	''	''	\dprime	double prime or second, not superscripted
U+02034	'''	'''	'''	'''	'''	'''	'''	\trprime	triple prime (not superscripted)
U+02035	\	\	\		\	\	\	\backprime <sup>(a)</sup>	reverse prime, not superscripted
U+02036	''	''	''		''	''	''	\backdprime	double reverse prime, not superscripted
U+02037	'''	'''	'''		'''	'''	'''	\backtrprime	triple reverse prime, not superscripted
U+02038		^	^					\caretinsert	caret (insertion mark)
U+0203C		!!	!!	!!	!!			\Exclam	double exclamation mark
U+02043		■	■					\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??	??					\Question	double question mark
U+02057	''''	''''	''''	''''	''''	''''	''''	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€		\euro	euro sign
U+020DD	◯	◯	◯	◯	◯	◯	◯	\enclosecircle	combining enclosing circle
U+020DE	◻	◻	◻	◻	◻	◻		\enclosesquare	combining enclosing square
U+020DF	◊	◊	◊	◊	◊	◊		\enclosediamond	combining enclosing diamond
U+020E4	△	△	△		△	△		\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ		\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		ƒ	ƒ	ƒ	ƒ			\Finv <sup>(a)</sup>	turned capital f
U+0213C	℥	℥	℥		℥	℥		\Bbbpi	double-struck small pi
U+02141		ɢ	ɢ	ɢ	ɢ			\Game <sup>(a)</sup>	turned sans-serif capital g
U+02142		ɀ	ɀ	ɀ	ɀ			\sansLturned	turned sans-serif capital l
U+02143		Ɂ	Ɂ	Ɂ	Ɂ			\sansLmirrored	reversed sans-serif capital l
U+02144		ʎ	ʎ	ʎ	ʎ			\Yup	turned sans-serif capital y
U+02145	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ		\mitBbbD	double-struck italic capital d
U+02146	ℴ	ℴ	ℴ	ℴ	ℴ	ℴ		\mitBbbd	double-struck italic small d

USV	M	X	S	C	A	P	E	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
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								<code>\increment</code>	laplacian (delta; nabla^2)
U+0220E								<code>\QED</code>	end of proof
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>\unicodecdots</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
U+02312								<code>\proffline</code>	profile of a line
U+02313								<code>\profsurf</code>	profile of a surface
U+02317								<code>\viewdata</code>	viewdata square

USV	M	X	S	C	A	P	E	Macro	Description
U+02319	⌞	⌞	⌞	⌞	⌞	⌞		\turnednot	turned not sign
U+02320	∫	∫		∫	∫	∫	∫	\inttop	top half integral
U+02321	∫	∫		∫	∫	∫	∫	\intbottom	bottom half integral
U+0232C		⬡	⬡					\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		▷	▷	▷				\conictaper	conical taper
U+02336		⌈	⌈	⌈				\topbot	top and bottom
U+02340		⌘	⌘	⌘				\APLnotbackslash	apl functional symbol backslash bar
U+02353		⌘	⌘	⌘				\APLboxupcaret	boxed up caret
U+02370		⌘	⌘	⌘				\APLboxquestion	boxed question mark
U+0237C		⌘	⌘	⌘				\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394		⬡	⬡	⬡				\hexagon	horizontal benzene ring [hexagon flat open]
U+0239B	(	(		(		(	(	\lparenuend	left parenthesis upper hook
U+0239C								\lparenextender	left parenthesis extension
U+0239D	)	)		)	)	)	)	\lparenlend	left parenthesis lower hook
U+0239E	)	)		)	)	)	)	\rparenuend	right parenthesis upper hook
U+0239F								\rparenextender	right parenthesis extension
U+023A0	)	)		)	)	)	)	\rparenlend	right parenthesis lower hook
U+023A1	[	[		[	[	[	[	\lbrackuend	left square bracket upper corner
U+023A2								\lbrackextender	left square bracket extension
U+023A3	[	[		[	[	[	[	\lbracklend	left square bracket lower corner
U+023A4	]	]		]	]	]	]	\rbrackuend	right square bracket upper corner
U+023A5								\rbrackextender	right square bracket extension
U+023A6	]	]		]	]	]	]	\rbracklend	right square bracket lower corner
U+023A7	{	{		{	{	{	{	\lbraceuend	left curly bracket upper hook
U+023A8	}	}		}	}	}	}	\lbracemid	left curly bracket middle piece
U+023A9	}	}		}	}	}	}	\lbracelend	left curly bracket lower hook
U+023AA								\vbraceextender	curly bracket extension
U+023AB	}	}		}	}	}	}	\rbraceuend	right curly bracket upper hook
U+023AC	}	}		}	}	}	}	\rbracemid	right curly bracket middle piece
U+023AD	}	}		}	}	}	}	\rbracelend	right curly bracket lower hook



USV	M	X	S	C	A	P	E	Macro	Description
U+023AE		┌		┌	┌	┌	┌	\intextender	integral extension
U+023AF		┐	┐	┐	┐	┐		\harrowextender	horizontal line extension (used to extend arrows)
U+023B2	⌞	⌞		⌞	⌞	⌞		\sumtop	summation top
U+023B3	⌟	⌟		⌟	⌟	⌟		\sumbottom	summation bottom
U+023B6		⌋	⌋	⌋	⌋	⌋		\bbrktbrk	bottom square bracket over top square bracket
U+023B7	√	√		√	√	√		\sqrtbottom	radical symbol bottom
U+023B8		└		└				\lvboxline	left vertical box line
U+023B9		┘		┘				\rvboxline	right vertical box line
U+023CE		↵	↵	↵				\varcarriagereturn	return symbol
U+023E0	(	)		)	(	(		\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1	(	)			(	(		\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2		▭	▭					\trapezium	white trapezium
U+023E3		⬢	⬢					\benzenr	benzene ring with circle
U+023E4		—	—					\strns	straightness
U+023E5		▭	▭					\fltns	flatness
U+023E6		⌚	⌚					\accurrent	ac current
U+023E7		⌚	⌚					\elinters	electrical intersection
U+02422	␣				␣	␣		\blanksymbol	blank symbol
U+02423	□	□	□		□			\mathvisiblespace	open box
U+02506		⋮	⋮					\bdtriplevdash	doubly broken vert
U+02580		■	■					\blockuphalf	upper half block
U+02584		■	■					\blocklowhalf	lower half block
U+02588	■	■	■	■		■		\blockfull	full block
U+0258C		■	■					\blocklefthalf	left half block
U+02590		■	■					\blockrighthalf	right half block
U+02591	░	░	░			░		\blockqtrshaded	25% shaded block
U+02592	▒	▒	▒	▒		▒		\blockhalfshaded	50% shaded block
U+02593	▓	▓	▓			▓		\blockthreeqtrshaded	75% shaded block
U+025A0	■	■	■	■	■	■		\mdlgblksquare	square, filled
U+025A1	□	□	□	□	□	□		\mdlgwhtsquare	square, open
U+025A2		◻	◻					\squoval	white square with rounded corners
U+025A3		◼	◼					\blackinwhitesquare	white square containing black small square
U+025A4		▨	▨					\squarehfill	square, horizontal rule filled
U+025A5		▩	▩					\squarevfill	square, vertical rule filled
U+025A6		▧	▧					\squarehvfill	square with orthogonal crosshatch fill
U+025A7		▦	▦					\squarenwsefill	square, nw-to-se rule filled
U+025A8		▥	▥					\squareneswfill	square, ne-to-sw rule filled
U+025A9		▤	▤					\squarecrossfill	square with diagonal crosshatch fill
U+025AA	▪	▪	▪			▪		\smbblksquare	/blacksquare - sq bullet, filled
U+025AB	◻	◻	◻			◻		\smwhtsquare	white small square
U+025AC	▬	▬	▬			▬		\hrectangleblack	black rectangle
U+025AD	▭	▭	▭	▭		▭		\hrectangle	horizontal rectangle, open
U+025AE		▮	▮					\vrectangleblack	black vertical rectangle
U+025AF		▯	▯					\vrectangle	rectangle, white (vertical)
U+025B0		▰	▰					\parallelogramblack	black parallelogram
U+025B1		▱	▱					\parallelogram	parallelogram, open

usv	M	X	S	C	A	P	E	Macro	Description
U+025B2	▲	▲	▲		▲	▲		\bigblacktriangleup	ox25b2 6 6d black up-pointing triangle
U+025B4		▲	▲					\blacktriangle <sup>(a)</sup>	up triangle, filled
U+025B6	▶	▶	▶		▶	▶		\blacktriangleright <sup>(a)</sup>	(large) right triangle, filled
U+025B8		▶	▶					\smallblacktriangleright	right triangle, filled
U+025B9		▷	▷					\smalltriangleright	right triangle, open
U+025BA		▶	▶		▶			\blackpointerright	black right-pointing pointer
U+025BB		▷	▷		▷			\whitepointerright	white right-pointing pointer
U+025BC	▼	▼	▼		▼	▼		\bigblacktriangledown	big down triangle, filled
U+025BD	▽	▽	▽		▽	▽		\bigtriangledown <sup>(p)</sup>	big down triangle, open
U+025BE		▼	▼					\blacktriangledown <sup>(a)</sup>	down triangle, filled
U+025BF		▽	▽					\triangledown <sup>(a)</sup>	down triangle, open
U+025C0	◀	◀	◀		◀	◀		\blacktriangleleft <sup>(a)</sup>	(large) left triangle, filled
U+025C2		◀	◀					\smallblacktriangleleft	left triangle, filled
U+025C3		◁	◁					\smalltriangleleft	left triangle, open
U+025C4		◀	◀		◀			\blackpointerleft	black left-pointing pointer
U+025C5		◁	◁		◁			\whitepointerleft	white left-pointing pointer
U+025C6		◆	◆					\mdlgblkdiamond	black diamond
U+025C7		◇	◇					\mdlgwhtdiamond	white diamond; diamond, open
U+025C8		◈	◈					\blackinwhitediamond	white diamond containing black small diamond
U+025C9		◎	◎					\fisheye	fisheye
U+025CA	◊	◊	◊	◊		◊		\mdlgwhtlozenge	lozenge or total mark
U+025CC		◯	◯					\dottedcircle	dotted circle
U+025CD		◐	◐					\circlevertfill	circle with vertical fill
U+025CE		◎	◎		◎			\bullseye	bullseye
U+025CF	●	●	●		●	●		\mdlgblkcircle	circle, filled
U+025D0		◐	◐					\circlelefthalfblack	circle, filled left half [harvey ball]
U+025D1		◑	◑					\circlelefthalfblack	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
U+025DB		◛	◛					\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC		↷	↷					\ularc	upper left quadrant circular arc
U+025DD		↶	↶					\urarc	upper right quadrant circular arc
U+025DE		↵	↵					\lrarc	lower right quadrant circular arc
U+025DF		↺	↺					\llarc	lower left quadrant circular arc
U+025E0		⤿	⤿					\topsemicircle	upper half circle
U+025E1		⤵	⤵					\botsemicircle	lower half circle
U+025E2		▴	▴					\lrblacktriangle	lower right triangle, filled
U+025E3		▵	▵					\llblacktriangle	lower left triangle, filled
U+025E4		▴	▴					\ulblacktriangle	upper left triangle, filled
U+025E5		▵	▵					\urblacktriangle	upper right triangle, filled
U+025E6	○	○	○		○	○		\smwhtcircle	white bullet
U+025E7		◼	◼		◼			\squareleftblack	square, filled left half
U+025E8		◼	◼		◼			\squarerightblack	square, filled right half

USV	M	X	S	C	A	P	E	Macro	Description
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>\squareellquad</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
U+025F4								<code>\circleulquad</code>	white circle with upper left quadrant
U+025F5								<code>\circleellquad</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<sup>(a)</sup></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<sup>(p)</sup></code>	spades suit symbol
U+02661								<code>\heartsuit<sup>(p)</sup></code>	heart suit symbol
U+02662								<code>\diamondsuit<sup>(p)</sup></code>	diamond suit symbol
U+02663								<code>\clubsuit<sup>(p)</sup></code>	club suit symbol
U+02664								<code>\varspadesuit</code>	spade, white (card suit)
U+02665								<code>\varheartsuit</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>\quaternote</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<sup>(p)</sup></code>	musical flat
U+0266E								<code>\natural<sup>(p)</sup></code>	music natural
U+0266F								<code>\sharp<sup>(p)</sup></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

usv	M	X	S	C	A	P	E	Macro	Description
U+02683								\diceiv	die face-4
U+02684								\dicev	die face-5
U+02685								\dicevi	die face-6
U+02686								\circledrightdot	white circle with dot right
U+02687								\circledtwodots	white circle with two dots
U+02688								\blackcircledrightdot	black circle with white dot right
U+02689								\blackcircledtwodots	black circle with two white dots
U+026A5								\Hermaphrodite	male and female sign
U+026AA								\mdwhtcircle	medium white circle
U+026AB								\mdblkcircle	medium black circle
U+026AC								\mdsmwhtcircle	medium small white circle
U+026B2								\neuter	neuter
U+02713	✓	✓	✓		✓	✓		\checkmark	tick, check mark
U+02720	✠	✠	✠		✠	✠		\maltese	maltese cross
U+0272A								\circledstar	circled white star
U+02736								\varstar	six pointed black star
U+0273D								\dingasterisk	heavy teardrop-spoked asterisk
U+0279B								\draftingarrow	right arrow with bold head (drafting)
U+027C0								\threedangle	three dimensional angle
U+027C1								\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3								\subsetcirc	open subset
U+027C4								\supsetcirc	open superset
U+027D0								\diamondcdot	white diamond with centred dot
U+0292B								\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C								\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D								\seovnearrow	south east arrow crossing north east arrow
U+0292E								\neovsearrow	north east arrow crossing south east arrow
U+0292F								\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930								\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931								\neovnwarrow	north east arrow crossing north west arrow
U+02932								\nwovnearrow	north west arrow crossing north east arrow
U+02934								\uprightcurvearrow	arrow pointing rightwards then curving upwards
U+02935								\downrightcurvedarrow	arrow pointing rightwards then curving downwards
U+02981								\mdsmblkcircle	z notation spot
U+02999								\fourvdots	dotted fence
U+0299A								\vzigzag	vertical zigzag line
U+0299B								\measuredangleleft	measured angle opening left
U+0299C								\rightanglesqr	right angle variant with square
U+0299D								\rightanglemdot	measured right angle with dot
U+0299E								\angles	angle with s inside
U+0299F								\angdnr	acute angle
U+029A0								\gtlpar	spherical angle opening left
U+029A1								\sphericalangleup	spherical angle opening up
U+029A2								\turnangle	turned angle
U+029A3								\revangle	reversed angle
U+029A4								\angleubar	angle with underbar
U+029A5								\revangleubar	reversed angle with underbar
U+029A6								\wideangledown	oblique angle opening up
U+029A7								\wideangleup	oblique angle opening down
U+029A8								\measanglerutone	measured angle with open arm ending in arrow pointing up and right

USV	M	X	S	C	A	P	E	Macro	Description
U+029A9								<code>\measanglelutonw</code>	measured angle with open arm ending in arrow pointing up and left
U+029AA								<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
U+029AB								<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
U+029AC								<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
U+029AD								<code>\measangleultonw</code>	measured angle with open arm ending in arrow pointing left and up
U+029AE								<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down
U+029AF								<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0								<code>\reemptyset</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>\uparrowwarrowcircle</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>\iifin</code>	incomplete infinity
U+029DD								<code>\tieinfty</code>	tie over infinity
U+029DE								<code>\nvinfty</code>	infinity negated with vertical bar
U+029E0								<code>\laplac</code>	square with contoured outline
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

USV	M	X	S	C	A	P	E	Macro	Description
U+02B15								\squarellblack	square with lower left diagonal half black
U+02B16								\diamondleftblack	diamond with left half black
U+02B17								\diamondrightblack	diamond with right half black
U+02B18								\diamondtopblack	diamond with top half black
U+02B19								\diamondbotblack	diamond with bottom half black
U+02B1A								\dottedsquare	dotted square
U+02B1B								\lgblksquare	black large square
U+02B1C								\lgwhtsquare	white large square
U+02B1D								\vysmbksquare	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								\smbkllozenge	black small lozenge
U+02B2B								\smwhtlozenge	white small lozenge
U+02B2C								\blkhorzoval	black horizontal ellipse
U+02B2D								\whthorzoval	white horizontal ellipse
U+02B2E								\blkvertoval	black vertical ellipse
U+02B2F								\whtvertoval	white vertical ellipse
U+02B50								\medwhitestar	white medium star
U+02B51								\medblackstar	black medium star
U+02B52								\smwhitestar	white small star
U+02B53								\rightpentagonblack	black right-pointing pentagon
U+02B54								\rightpentagon	white right-pointing pentagon
U+03012								\postalmark	postal mark
U+03030								\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0	0		\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1	1		\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2	2		\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3	3		\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4	4		\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5	5		\Bbbfive	mathematical double-struck digit 5

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7DE	6	6	6	6	6	6		\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7	7		\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8	8		\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9	9		\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0	0		\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	1		\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2		\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3		\msansthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4		\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5		\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6		\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7		\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8		\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9		\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0		\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	1		\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2		\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3		\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	4		\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5		\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6		\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7		\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8		\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9		\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0		\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1		\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	2		\mtttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3		\mttthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4		\mttfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5		\mttfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6		\mttsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7		\mttseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8		\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9		\mttnine	mathematical monospace digit 9

## 12 Relation symbols, \mathrel

USV	M	X	S	C	A	P	E	Macro	Description
U+0003C	<	<	<	<	<	<	<	\less	less-than sign r:
U+0003D	=	=	=	=	=	=	=	\equal	equals sign r:
U+0003E	>	>	>	>	>	>	>	\greater	greater-than sign r:
U+02050		)	)		(			\closure	close up
U+02190	←	←	←	←	←	←	←	\leftarrow <sup>(p)</sup>	/leftarrow /gets a: leftward arrow
U+02191	↑	↑	↑	↑	↑	↑	↑	\uparrow <sup>(p)</sup>	upward arrow
U+02192	→	→	→	→	→	→	→	\rightarrow <sup>(p)</sup>	/rightarrow /to a: rightward arrow
U+02193	↓	↓	↓	↓	↓	↓	↓	\downarrow <sup>(p)</sup>	downward arrow
U+02194	↔	↔	↔	↔	↔	↔	↔	\leftrightarrow <sup>(p)</sup>	left and right arrow
U+02195	↕	↕	↕	↕	↕	↕	↕	\updownarrow <sup>(p)</sup>	up and down arrow
U+02196	↖	↖	↖	↖	↖	↖	↖	\nwarrow <sup>(p)</sup>	nw pointing arrow
U+02197	↗	↗	↗	↗	↗	↗	↗	\nearrow <sup>(p)</sup>	ne pointing arrow
U+02198	↘	↘	↘	↘	↘	↘	↘	\searrow <sup>(p)</sup>	se pointing arrow
U+02199	↙	↙	↙	↙	↙	↙	↙	\swarrow <sup>(p)</sup>	sw pointing arrow
U+0219A	↱	↱	↱	↱	↱	↱		\nleftarrow <sup>(a)</sup>	not left arrow
U+0219B	↲	↲	↲	↲	↲	↲		\nrightarrow <sup>(a)</sup>	not right arrow
U+0219C		↷	↷	↷	↷			\leftwavyarrow	left arrow-wavy
U+0219D		↷	↷	↷	↷			\rightwavyarrow	right arrow-wavy
U+0219E	↔	↔	↔	↔	↔	↔		\twoheadleftarrow <sup>(a)</sup>	left two-headed arrow
U+0219F	↕	↕	↕	↕	↕	↕		\twoheaduparrow	up two-headed arrow
U+021A0	↔	↔	↔	↔	↔	↔		\twoheadrightarrow <sup>(a)</sup>	right two-headed arrow
U+021A1	↕	↕	↕	↕	↕	↕		\twoheaddownarrow	down two-headed arrow
U+021A2	↵	↵	↵	↵	↵	↵		\leftarrowtail <sup>(a)</sup>	left arrow-tailed
U+021A3	↶	↶	↶	↶	↶	↶		\rightarrowtail <sup>(a)</sup>	right arrow-tailed
U+021A4	↵	↵	↵	↵	↵	↵	↵	\mapsfrom	maps to, leftward
U+021A5	↶	↶	↶	↶	↶	↶		\mapsup	maps to, upward
U+021A6	↵	↵	↵	↵	↵	↵	↵	\mapsto <sup>(p)</sup>	maps to, rightward
U+021A7	↵	↵	↵	↵	↵	↵		\mapsdown	maps to, downward
U+021A9	↵	↵	↵	↵	↵	↵	↵	\hookleftarrow <sup>(p)</sup>	left arrow-hooked
U+021AA	↵	↵	↵	↵	↵	↵	↵	\hookrightarrow <sup>(p)</sup>	right arrow-hooked
U+021AB	↻	↻	↻	↻	↻	↻		\looparrowleft <sup>(a)</sup>	left arrow-looped
U+021AC	↻	↻	↻	↻	↻	↻		\looparrowright <sup>(a)</sup>	right arrow-looped
U+021AD	↻	↻	↻	↻	↻			\leftrightsquigarrow <sup>(a)</sup>	left and right arr-wavy
U+021AE	↻	↻	↻	↻	↻	↻		\nletrightarrow <sup>(a)</sup>	not left and right arrow
U+021AF		↻	↻	↻	↻			\downzigzagarrow	downwards zigzag arrow
U+021B0	↵	↵	↵	↵	↵	↵		\Lsh <sup>(a)</sup>	/lsh a:
U+021B1	↵	↵	↵	↵	↵	↵		\Rsh <sup>(a)</sup>	/rsh a:
U+021B2	↵	↵	↵	↵	↵	↵		\Ldsh	left down angled arrow
U+021B3	↵	↵	↵	↵	↵	↵		\Rdsh	right down angled arrow
U+021B6	↵	↵	↵	↵	↵	↵	↵	\curvearrowleft <sup>(a)</sup>	left curved arrow
U+021B7	↵	↵	↵	↵	↵	↵	↵	\curvearrowright <sup>(a)</sup>	right curved arrow
U+021BC	↵	↵	↵	↵	↵	↵	↵	\leftharpoonup <sup>(p)</sup>	left harpoon-up
U+021BD	↵	↵	↵	↵	↵	↵	↵	\leftharpoondown <sup>(p)</sup>	left harpoon-down
U+021BE	↵	↵	↵	↵	↵	↵	↵	\upharpoonright <sup>(a)</sup>	/upharpoonright /restriction a: up harpoon-right
U+021BF	↵	↵	↵	↵	↵	↵	↵	\upharpoonleft <sup>(a)</sup>	up harpoon-left
U+021C0	↵	↵	↵	↵	↵	↵	↵	\rightharpoonup <sup>(p)</sup>	right harpoon-up
U+021C1	↵	↵	↵	↵	↵	↵	↵	\rightharpoondown <sup>(p)</sup>	right harpoon-down



USV	M	X	S	C	A	P	E	Macro	Description
U+021C2	↘	↘	↘	↘	↘	↘	↘	<code>\downharpoonright<sup>(a)</sup></code>	down harpoon-right
U+021C3	↙	↙	↙	↙	↙	↙	↙	<code>\downharpoonleft<sup>(a)</sup></code>	down harpoon-left
U+021C4	↗↖	↗↖	↗↖	↗↖	↗↖	↗↖		<code>\rightleftarrows<sup>(a)</sup></code>	right arrow over left arrow
U+021C5	↕	↕	↕	↕	↕	↕		<code>\updownarrows</code>	up arrow, down arrow
U+021C6	↖↗	↖↗	↖↗	↖↗	↖↗	↖↗		<code>\leftrightarrows<sup>(a)</sup></code>	left arrow over right arrow
U+021C7	↔	↔	↔	↔	↔	↔		<code>\leftleftarrows<sup>(a)</sup></code>	two left arrows
U+021C8	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕		<code>\upuparrows<sup>(a)</sup></code>	two up arrows
U+021C9	↔↔	↔↔	↔↔	↔↔	↔↔	↔↔		<code>\rightrightarrows<sup>(a)</sup></code>	two right arrows
U+021CA	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕		<code>\downdownarrows<sup>(a)</sup></code>	two down arrows
U+021CB	↖↗	↖↗	↖↗	↖↗	↖↗	↖↗	↖↗	<code>\leftrightharpoons<sup>(a)</sup></code>	left harpoon over right
U+021CC	↗↖	↗↖	↗↖	↗↖	↗↖	↗↖	↗↖	<code>\rightleftharpoons<sup>(l)</sup></code>	right harpoon over left
U+021CD	↗↖	↗↖	↗↖	↗↖	↗↖	↗↖		<code>\nLeftarrow<sup>(a)</sup></code>	not implied by
U+021CE	↔↔	↔↔	↔↔	↔↔	↔↔	↔↔		<code>\nLefttrightarrow<sup>(a)</sup></code>	not left and right double arrows
U+021CF	↗↖	↗↖	↗↖	↗↖	↗↖	↗↖		<code>\nRightarrow<sup>(a)</sup></code>	not implies
U+021D0	↔	↔	↔	↔	↔	↔	↔	<code>\Leftarrow<sup>(p)</sup></code>	is implied by
U+021D1	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	<code>\Uparrow<sup>(p)</sup></code>	up double arrow
U+021D2	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Rightarrow<sup>(p)</sup></code>	implies
U+021D3	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	<code>\Downarrow<sup>(p)</sup></code>	down double arrow
U+021D4	↔↔	↔↔	↔↔	↔↔	↔↔	↔↔	↔↔	<code>\Leftrightarrow<sup>(p)</sup></code>	left and right double arrow
U+021D5	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	↕↕	<code>\Updownarrow<sup>(p)</sup></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
U+021DA	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔			<code>\Lleftarrow<sup>(a)</sup></code>	left triple arrow
U+021DB	↔↔↔	↔↔↔	↔↔↔	↔↔↔	↔↔↔			<code>\Rrightarrow<sup>(a)</sup></code>	right triple arrow
U+021DC	↗↖↗	↗↖↗	↗↖↗	↗↖↗	↗↖↗			<code>\leftsquigarrow</code>	leftwards squiggle arrow
U+021DD	↘↙↘	↘↙↘	↘↙↘	↘↙↘	↘↙↘			<code>\rightsquigarrow<sup>(a)</sup></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>\nvleftarrow</code>	leftwards arrow with vertical stroke
U+021F8		↗↖	↗↖	↗↖	↗↖			<code>\nvrightarrow</code>	rightwards arrow with vertical stroke
U+021F9		↔↔	↔↔	↔↔	↔↔			<code>\nvleftrightharrow</code>	left right arrow with vertical stroke
U+021FA		↕↕↕	↕↕↕	↕↕↕	↕↕↕			<code>\nVleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB		↗↖↗	↗↖↗	↗↖↗	↗↖↗			<code>\nVrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC		↔↔↔	↔↔↔	↔↔↔	↔↔↔			<code>\nVleftrightharrow</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<sup>(p)</sup></code>	set membership, variant
U+02209	∉	∉	∉	∉	∉	∉	∉	<code>\notin<sup>(l)</sup></code>	negated set membership
U+0220A	∈	∈	∈	∈	∈	∈		<code>\smallin</code>	set membership (small set membership)
U+0220B	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\ni<sup>(p)</sup></code>	contains, variant
U+0220C	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nni</code>	negated contains, variant
U+0220D	⊃	⊃	⊃	⊃	⊃	⊃		<code>\smallni</code>	/ni / owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	<code>\propto<sup>(p)</sup></code>	is proportional to
U+02223								<code>\mid<sup>(p)</sup></code>	/mid r:

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U+02224	⋮	⋮	⋮	⋮	⋮	⋮		$\backslash\mathrm{nmid}^{(a)}$	negated mid
U+02225	∥	∥	∥	∥	∥	∥	∥	$\backslash\mathrm{parallel}^{(p)}$	parallel
U+02226	⧻	⧻	⧻	⧻	⧻	⧻		$\backslash\mathrm{nparallel}^{(a)}$	not parallel
U+02236	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{mathratio}$	ratio
U+02237	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{Colon}$	two colons
U+02239	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{dashcolon}$	excess (⋮)
U+0223A	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{dotsminusdots}$	minus with four dots, geometric properties
U+0223B	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{kernelcontraction}$	homothetic
U+0223C	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{sim}^{(p)}$	similar
U+0223D	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{backsim}^{(a)}$	reverse similar
U+02241	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{nsim}^{(a)}$	not similar
U+02242	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{eqsim}^{(a)}$	equals, similar
U+02243	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{simeq}^{(p)}$	similar, equals
U+02244	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{nsime}$	not similar, equals
U+02245	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{cong}^{(l)}$	congruent with
U+02246	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{simneqq}$	similar, not equals [vert only for 9573 entity]
U+02247	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{ncong}^{(a)}$	not congruent with
U+02248	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{approx}^{(p)}$	approximate
U+02249	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{napprox}$	not approximate
U+0224A	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{approx}^{(a)}$	approximate, equals
U+0224B	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{approxident}$	approximately identical to
U+0224C	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{backcong}$	all equal to
U+0224D	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{asympt}^{(p)}$	asymptotically equal to
U+0224E	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{Bumpeq}^{(a)}$	bumpy equals
U+0224F	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{bumpeq}^{(a)}$	bumpy equals, equals
U+02250	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{doteq}^{(l)}$	equals, single dot above
U+02251	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{Doteq}^{(a)}$	/doteqdot /doteq r: equals, even dots
U+02252	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{fallingdotseq}^{(a)}$	equals, falling dots
U+02253	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{risingdotseq}^{(a)}$	equals, rising dots
U+02254	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{coloneq}$	colon, equals
U+02255	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{eqcolon}$	equals, colon
U+02256	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{eqcirc}^{(a)}$	circle on equals sign
U+02257	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{circeq}^{(a)}$	circle, equals
U+02258	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{arceq}$	arc, equals; corresponds to
U+02259	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{wedg}^{(a)}$	corresponds to (wedge, equals)
U+0225A	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{veeeq}$	logical or, equals
U+0225B	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{stareq}$	star equals
U+0225C	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{triangleq}^{(a)}$	triangle, equals
U+0225D	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{eqdef}$	equals by definition
U+0225E	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{measeq}$	measured by (m over equals)
U+0225F	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{questeq}$	equal with questionmark
U+02260	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{ne}^{(p)}$	/ne /neq r: not equal
U+02261	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{equiv}^{(p)}$	identical with
U+02262	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{nequiv}$	not identical with
U+02263	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{Equiv}$	strict equivalence (4 lines)
U+02264	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{leq}^{(p)}$	/leq /le r: less-than-or-equal
U+02265	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{geq}^{(p)}$	/geq /ge r: greater-than-or-equal
U+02266	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{leqq}^{(a)}$	less, double equals
U+02267	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{geqq}^{(a)}$	greater, double equals
U+02268	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\backslash\mathrm{lneqq}^{(a)}$	less, not double equals

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U+02269	≧	≧	≧	≧	≧	≧	≧	<code>\gneqq<sup>(a)</sup></code>	greater, not double equals
U+0226A	≨	≨	≨	≨	≨	≨		<code>\ll<sup>(p)</sup></code>	much less than, type 2
U+0226B	≩	≩	≩	≩	≩	≩		<code>\gg<sup>(p)</sup></code>	much greater than, type 2
U+0226C	⋈	⋈	⋈	⋈	⋈	⋈		<code>\between<sup>(a)</sup></code>	between
U+0226D	≍	≍	≍	≍	≍	≍		<code>\nasymp</code>	not asymptotically equal to
U+0226E	≎	≎	≎	≎	≎	≎	≎	<code>\nless<sup>(a)</sup></code>	not less-than
U+0226F	≏	≏	≏	≏	≏	≏	≏	<code>\ngtr<sup>(a)</sup></code>	not greater-than
U+02270	≐	≐	≐	≐	≐	≐	≐	<code>\nleq<sup>(a)</sup></code>	not less-than-or-equal
U+02271	≑	≑	≑	≑	≑	≑	≑	<code>\ngeq<sup>(a)</sup></code>	not greater-than-or-equal
U+02272	≒	≒	≒	≒	≒	≒	≒	<code>\lesssim<sup>(a)</sup></code>	less, similar
U+02273	≓	≓	≓	≓	≓	≓	≓	<code>\gtrsim<sup>(a)</sup></code>	greater, similar
U+02274	≔	≔	≔	≔	≔	≔	≔	<code>\nlesssim</code>	not less, similar
U+02275	≕	≕	≕	≕	≕	≕	≕	<code>\ngtrsim</code>	not greater, similar
U+02276	≖	≖	≖	≖	≖	≖	≖	<code>\lessgtr<sup>(a)</sup></code>	less, greater
U+02277	≗	≗	≗	≗	≗	≗	≗	<code>\gtrless<sup>(a)</sup></code>	greater, less
U+02278	≘	≘	≘	≘	≘	≘	≘	<code>\nlessgtr</code>	not less, greater
U+02279	≙	≙	≙	≙	≙	≙	≙	<code>\ngtrless</code>	not greater, less
U+0227A	≚	≚	≚	≚	≚	≚		<code>\prec<sup>(p)</sup></code>	precedes
U+0227B	≛	≛	≛	≛	≛	≛		<code>\succ<sup>(p)</sup></code>	succeeds
U+0227C	≜	≜	≜	≜	≜	≜		<code>\preccurlyeq<sup>(a)</sup></code>	precedes, curly equals
U+0227D	≝	≝	≝	≝	≝	≝		<code>\succcurlyeq<sup>(a)</sup></code>	succeeds, curly equals
U+0227E	≞	≞	≞	≞	≞	≞		<code>\precsim<sup>(a)</sup></code>	precedes, similar
U+0227F	≟	≟	≟	≟	≟	≟		<code>\succsim<sup>(a)</sup></code>	succeeds, similar
U+02280	≠	≠	≠	≠	≠	≠		<code>\nprec<sup>(a)</sup></code>	not precedes
U+02281	≡	≡	≡	≡	≡	≡		<code>\nsucc<sup>(a)</sup></code>	not succeeds
U+02282	⊂	⊂	⊂	⊂	⊂	⊂	⊂	<code>\subset<sup>(p)</sup></code>	subset or is implied by
U+02283	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\supset<sup>(p)</sup></code>	superset or implies
U+02284	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nsubset</code>	not subset, variant [slash negation]
U+02285	⊅	⊅	⊅	⊅	⊅	⊅	⊅	<code>\nsupset</code>	not superset, variant [slash negation]
U+02286	⊆	⊆	⊆	⊆	⊆	⊆	⊆	<code>\subseteq<sup>(p)</sup></code>	subset, equals
U+02287	⊇	⊇	⊇	⊇	⊇	⊇	⊇	<code>\supseteq<sup>(p)</sup></code>	superset, equals
U+02288	⊈	⊈	⊈	⊈	⊈	⊈	⊈	<code>\nsubseteq<sup>(a)</sup></code>	not subset, equals
U+02289	⊉	⊉	⊉	⊉	⊉	⊉	⊉	<code>\nsupseteq<sup>(a)</sup></code>	not superset, equals
U+0228A	⊊	⊊	⊊	⊊	⊊	⊊	⊊	<code>\subsetneq<sup>(a)</sup></code>	subset, not equals
U+0228B	⊋	⊋	⊋	⊋	⊋	⊋	⊋	<code>\supsetneq<sup>(a)</sup></code>	superset, not equals
U+0228F	⊐	⊐	⊐	⊐	⊐	⊐		<code>\sqsubset</code>	square subset
U+02290	⊑	⊑	⊑	⊑	⊑	⊑		<code>\sqsupset</code>	square superset
U+02291	⊒	⊒	⊒	⊒	⊒	⊒	⊒	<code>\sqsubseteq<sup>(p)</sup></code>	square subset, equals
U+02292	⊓	⊓	⊓	⊓	⊓	⊓	⊓	<code>\sqsupseteq<sup>(p)</sup></code>	square superset, equals
U+022A2	⊔	⊔	⊔	⊔	⊔	⊔	⊔	<code>\vdash<sup>(p)</sup></code>	vertical, dash
U+022A3	⊕	⊕	⊕	⊕	⊕	⊕	⊕	<code>\dashv<sup>(p)</sup></code>	dash, vertical
U+022A6	⊖	⊖	⊖	⊖	⊖	⊖		<code>\assert</code>	assertion (vertical, short dash)
U+022A7	⊗	⊗	⊗	⊗	⊗	⊗		<code>\models<sup>(p)</sup></code>	models (vertical, short double dash)
U+022A8	⊘	⊘	⊘	⊘	⊘	⊘		<code>\vDash<sup>(a)</sup></code>	vertical, double dash
U+022A9	⊙	⊙	⊙	⊙	⊙	⊙		<code>\Vdash<sup>(a)</sup></code>	double vertical, dash
U+022AA	⊚	⊚	⊚	⊚	⊚	⊚		<code>\Vvdash<sup>(a)</sup></code>	triple vertical, dash
U+022AB	⊛	⊛	⊛	⊛	⊛	⊛		<code>\VDash</code>	double vert, double dash
U+022AC	⊜	⊜	⊜	⊜	⊜	⊜		<code>\nvDash<sup>(a)</sup></code>	not vertical, dash
U+022AD	⊝	⊝	⊝	⊝	⊝	⊝		<code>\nvDash<sup>(a)</sup></code>	not vertical, double dash
U+022AE	⊞	⊞	⊞	⊞	⊞	⊞		<code>\nVdash<sup>(a)</sup></code>	not double vertical, dash

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U+022AF								<code>\nVDash<sup>(a)</sup></code>	not double vert, double dash
U+022B0								<code>\prurel</code>	element precedes under relation
U+022B1								<code>\scurel</code>	succeeds under relation
U+022B2								<code>\vartriangleleft<sup>(a)</sup></code>	left triangle, open, variant
U+022B3								<code>\vartriangleright<sup>(a)</sup></code>	right triangle, open, variant
U+022B4								<code>\trianglelefteq<sup>(a)</sup></code>	left triangle, equals
U+022B5								<code>\trianglerighteq<sup>(a)</sup></code>	right triangle, equals
U+022B6								<code>\origof</code>	original of
U+022B7								<code>\imageof</code>	image of
U+022B8								<code>\multimap<sup>(a)</sup></code>	/multimap a:
U+022C8								<code>\bowtie<sup>(p)</sup></code>	bowtie
U+022CD								<code>\backsimeq<sup>(a)</sup></code>	reverse similar, equals
U+022D0								<code>\Subset<sup>(a)</sup></code>	double subset
U+022D1								<code>\Supset<sup>(a)</sup></code>	double superset
U+022D4								<code>\pitchfork<sup>(a)</sup></code>	pitchfork
U+022D5								<code>\equalparallel</code>	parallel, equal; equal or parallel
U+022D6								<code>\lessdot<sup>(a)</sup></code>	less than, with dot
U+022D7								<code>\gtrdot<sup>(a)</sup></code>	greater than, with dot
U+022D8								<code>\lll<sup>(a)</sup></code>	/ll /lll /lless r: triple less-than
U+022D9								<code>\ggg<sup>(a)</sup></code>	/ggg /gg /gggtr r: triple greater-than
U+022DA								<code>\lesseqgtr<sup>(a)</sup></code>	less, equals, greater
U+022DB								<code>\gtreqless<sup>(a)</sup></code>	greater, equals, less
U+022DC								<code>\eqless</code>	equal-or-less
U+022DD								<code>\eqgtr</code>	equal-or-greater
U+022DE								<code>\curlyeqprec<sup>(a)</sup></code>	curly equals, precedes
U+022DF								<code>\curlyeqsucc<sup>(a)</sup></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<sup>(a)</sup></code>	less, not similar
U+022E7								<code>\gnsim<sup>(a)</sup></code>	greater, not similar
U+022E8								<code>\precnsim<sup>(a)</sup></code>	precedes, not similar
U+022E9								<code>\succnsim<sup>(a)</sup></code>	succeeds, not similar
U+022EA								<code>\nvartriangleleft</code>	not left triangle
U+022EB								<code>\nvartriangleright</code>	not right triangle
U+022EC								<code>\ntrianglelefteq<sup>(a)</sup></code>	not left triangle, equals
U+022ED								<code>\ntrianglerighteq<sup>(a)</sup></code>	not right triangle, equals
U+022EE								<code>\vdots<sup>(p)</sup></code>	vertical ellipsis
U+022F0								<code>\adots</code>	three dots, ascending
U+022F1								<code>\ddots<sup>(p)</sup></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

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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<sup>(p)</sup></code>	down curve
U+02323	⌓	⌓	⌓	⌓	⌓	⌓		<code>\smile<sup>(p)</sup></code>	up curve
U+0233F		⌢	⌢	⌢				<code>\APLnotslash</code>	solidus, bar through (apl functional symbol slash bar)
U+025B5		⌢	⌢					<code>\vartriangle<sup>(a)</sup></code>	/triangle - up triangle, open
U+027C2	⊥	⊥	⊥		⊥	⊥		<code>\perp<sup>(p)</sup></code>	perpendicular
U+027C8		⌞	⌞		⌞			<code>\bsolhsb</code>	reverse solidus preceding subset
U+027C9		⌞	⌞		⌞			<code>\suphsol</code>	superset preceding solidus
U+027D2		⌞	⌞	⌞	⌞			<code>\upin</code>	element of opening upwards
U+027D3		⌞	⌞	⌞	⌞			<code>\pullback</code>	lower right corner with dot
U+027D4		⌞	⌞	⌞	⌞			<code>\pushout</code>	upper left corner with dot
U+027DA	⌞	⌞	⌞	⌞	⌞	⌞		<code>\DashVDash</code>	left and right double turnstile
U+027DB	⌞	⌞	⌞	⌞	⌞	⌞		<code>\dashVdash</code>	left and right tack
U+027DC	⌞	⌞	⌞	⌞	⌞			<code>\multimapinv</code>	left multimap
U+027DD	⌞	⌞	⌞	⌞	⌞	⌞		<code>\vlongdash</code>	long left tack
U+027DE	⌞	⌞	⌞	⌞	⌞	⌞		<code>\vlongdashv</code>	long right tack
U+027DF		⌞	⌞	⌞	⌞			<code>\cirbot</code>	up tack with circle above
U+027F0		⌞	⌞	⌞	⌞			<code>\Uparrow</code>	upwards quadruple arrow
U+027F1		⌞	⌞	⌞	⌞			<code>\Downarrow</code>	downwards quadruple arrow
U+027F2		⌞	⌞	⌞	⌞			<code>\acwgapcirclearrow</code>	anticlockwise gapped circle arrow
U+027F3		⌞	⌞	⌞	⌞			<code>\cwgapcirclearrow</code>	clockwise gapped circle arrow
U+027F4	⌞	⌞	⌞	⌞	⌞	⌞		<code>\rightarrowonoplus</code>	right arrow with circled plus
U+027F5	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longleftarrow<sup>(p)</sup></code>	long leftwards arrow
U+027F6	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longrightarrow<sup>(p)</sup></code>	long rightwards arrow
U+027F7	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longleftrightarrow<sup>(p)</sup></code>	long left right arrow
U+027F8	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\Longleftarrow<sup>(p)</sup></code>	long leftwards double arrow
U+027F9	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\Longrightarrow<sup>(p)</sup></code>	long rightwards double arrow
U+027FA	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\Longleftrightarrow<sup>(p)</sup></code>	long left right double arrow
U+027FB	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longmapsfrom</code>	long leftwards arrow from bar
U+027FC	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longmapsto<sup>(p)</sup></code>	long rightwards arrow from bar
U+027FD	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\Longmapsfrom</code>	long leftwards double arrow from bar
U+027FE	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\Longmapsto</code>	long rightwards double arrow from bar
U+027FF	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\longrightsquigarrow</code>	long rightwards squiggle arrow
U+02900		⌞	⌞	⌞	⌞			<code>\nvtwoheadrightarrow</code>	rightwards two-headed arrow with vertical stroke
U+02901		⌞	⌞	⌞	⌞			<code>\Nvtwoheadrightarrow</code>	rightwards two-headed arrow with double vertical stroke
U+02902		⌞	⌞	⌞	⌞			<code>\nvLeftarrow</code>	leftwards double arrow with vertical stroke
U+02903		⌞	⌞	⌞	⌞			<code>\nvRrightarrow</code>	rightwards double arrow with vertical stroke
U+02904		⌞	⌞	⌞	⌞			<code>\nvLefttrightarrow</code>	left right double arrow with vertical stroke
U+02905		⌞	⌞	⌞	⌞			<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
U+02906	⌞	⌞	⌞	⌞	⌞	⌞		<code>\Mapsfrom</code>	leftwards double arrow from bar
U+02907	⌞	⌞	⌞	⌞	⌞	⌞		<code>\Mapsto</code>	rightwards double arrow from bar
U+02908		⌞	⌞	⌞	⌞			<code>\downarrowbarred</code>	downwards arrow with horizontal stroke
U+02909		⌞	⌞	⌞	⌞			<code>\uparrowbarred</code>	upwards arrow with horizontal stroke

USV	M	X	S	C	A	P	E	Macro	Description
U+0290A								<code>\Uparrow</code>	upwards triple arrow
U+0290B								<code>\Downarrow</code>	downwards triple arrow
U+0290C								<code>\leftbckarrow</code>	leftwards double dash arrow
U+0290D								<code>\rightbckarrow</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>\rightrightarrow</code>	rightwards arrow with dotted stem
U+02912								<code>\baruparrow</code>	upwards arrow to bar
U+02913								<code>\downarrowbar</code>	downwards arrow to bar
U+02914								<code>\nvrightarrowtail</code>	rightwards arrow with tail with vertical stroke
U+02915								<code>\nVrightarrowtail</code>	rightwards arrow with tail with double vertical stroke
U+02916								<code>\twoheadrightarrowtail</code>	rightwards two-headed arrow with tail
U+02917								<code>\nvtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with vertical stroke
U+02918								<code>\nVtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with double vertical stroke
U+02919								<code>\lefttail</code>	leftwards arrow-tail
U+0291A								<code>\righttail</code>	rightwards arrow-tail
U+0291B								<code>\leftdbltail</code>	leftwards double arrow-tail
U+0291C								<code>\rightdbltail</code>	rightwards double arrow-tail
U+0291D								<code>\diamondleftarrow</code>	leftwards arrow to black diamond
U+0291E								<code>\rightarrowblackdiamond</code>	rightwards arrow to black diamond
U+0291F								<code>\diamondleftarrowbar</code>	leftwards arrow from bar to black diamond
U+02920								<code>\barrightarrowblackdiamond</code>	rightwards arrow from bar to black diamond
U+02921								<code>\nwsearrow</code>	north west and south east arrow
U+02922								<code>\neswarrow</code>	north east and south west arrow
U+02923								<code>\hknwarrow</code>	north west arrow with hook
U+02924								<code>\hknearrow</code>	north east arrow with hook
U+02925								<code>\hksearrow</code>	south east arrow with hook
U+02926								<code>\hkswarrow</code>	south west arrow with hook
U+02927								<code>\tona</code>	north west arrow and north east arrow
U+02928								<code>\toea</code>	north east arrow and south east arrow
U+02929								<code>\tosa</code>	south east arrow and south west arrow
U+0292A								<code>\towa</code>	south west arrow and north west arrow
U+02933								<code>\rightarrowcurvedarrow</code>	wave arrow pointing directly right
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>\acwcirclearrow</code>	anticlockwise closed circle arrow
U+02941								<code>\cwcirclearrow</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

usv	M	X	S	C	A	P	E	Macro	Description
U+02945		↗	↘	↙	↖			\rightarrowplus	rightwards arrow with plus below
U+02946		↙	↘	↖	↗			\leftarrowplus	leftwards arrow with plus below
U+02947		↗	↘	↙	↖			\rightarrowarrow	rightwards arrow through x
U+02948		↗	↘	↙	↖			\leftrightarrowcircle	left right arrow through small circle
U+02949		↗	↘	↙	↖			\twoheaduparrowcircle	upwards two-headed arrow from small circle
U+0294A		↗	↘	↙	↖			\leftrightharpoonupdown	left barb up right barb down harpoon
U+0294B		↗	↘	↙	↖			\leftrightharpoondownup	left barb down right barb up harpoon
U+0294C		↗	↘	↙	↖			\updownharpoonrightleft	up barb right down barb left harpoon
U+0294D		↗	↘	↙	↖			\updownharpoonleftright	up barb left down barb right harpoon
U+0294E		↗	↘	↙	↖			\leftrightharpoonupup	left barb up right barb up harpoon
U+0294F		↗	↘	↙	↖			\updownharpoonrightright	up barb right down barb right harpoon
U+02950		↗	↘	↙	↖			\leftrightharpoondowndown	left barb down right barb down harpoon
U+02951		↗	↘	↙	↖			\updownharpoonleftleft	up barb left down barb left harpoon
U+02952		↗	↘	↙	↖			\barleftharpoonup	leftwards harpoon with barb up to bar
U+02953		↗	↘	↙	↖			\rightharpoonupbar	rightwards harpoon with barb up to bar
U+02954		↗	↘	↙	↖			\barupharpoonright	upwards harpoon with barb right to bar
U+02955		↗	↘	↙	↖			\downharpoonrightbar	downwards harpoon with barb right to bar
U+02956		↗	↘	↙	↖			\barleftharpoondown	leftwards harpoon with barb down to bar
U+02957		↗	↘	↙	↖			\rightharpoondownbar	rightwards harpoon with barb down to bar
U+02958		↗	↘	↙	↖			\barupharpoonleft	upwards harpoon with barb left to bar
U+02959		↗	↘	↙	↖			\downharpoonleftbar	downwards harpoon with barb left to bar
U+0295A		↗	↘	↙	↖			\leftharpoonupbar	leftwards harpoon with barb up from bar
U+0295B		↗	↘	↙	↖			\barrightharpoonup	rightwards harpoon with barb up from bar
U+0295C		↗	↘	↙	↖			\upharpoonrightbar	upwards harpoon with barb right from bar
U+0295D		↗	↘	↙	↖			\bardownharpoonright	downwards harpoon with barb right from bar
U+0295E		↗	↘	↙	↖			\leftharpoondownbar	leftwards harpoon with barb down from bar
U+0295F		↗	↘	↙	↖			\barrightharpoondown	rightwards harpoon with barb down from bar
U+02960		↗	↘	↙	↖			\upharpoonleftbar	upwards harpoon with barb left from bar
U+02961		↗	↘	↙	↖			\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		↗	↘	↙	↖			\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		↗	↘	↙	↖			\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		↗	↘	↙	↖			\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		↗	↘	↙	↖			\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		↗	↘	↙	↖			\leftrightharpoonsup	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		↗	↘	↙	↖			\leftrightharpoonsdown	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		↗	↘	↙	↖			\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		↗	↘	↙	↖			\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		↗	↘	↙	↖			\leftharpoonupdash	leftwards harpoon with barb up above long dash
U+0296B		↗	↘	↙	↖			\dashleftharpoondown	leftwards harpoon with barb down below long dash
U+0296C		↗	↘	↙	↖			\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0296D		↗	↘	↙	↖			\dashrightharpoondown	rightwards harpoon with barb down below long dash
U+0296E		↗	↘	↙	↖			\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		↗	↘	↙	↖			\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		↗	↘	↙	↖			\rightimply	right double arrow with rounded head
U+02971		↗	↘	↙	↖			\equalrightarrow	equals sign above rightwards arrow















usv	M	X	S	C	A	P	E	Macro	Description
U+02972		↗	↖	↘	↙			<code>\similarrrightarrow</code>	tilde operator above rightwards arrow
U+02973		↖	↗	↙	↘			<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
U+02974		↘	↙	↗	↖			<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
U+02975		↗	↖	↘	↙			<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
U+02976		↖	↗	↙	↘			<code>\ltlarr</code>	less-than above leftwards arrow
U+02977		↖	↗	↙	↘			<code>\leftarrowless</code>	leftwards arrow through less-than
U+02978		↗	↖	↘	↙			<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		↘	↙	↗	↖			<code>\subrarr</code>	subset above rightwards arrow
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+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
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



USV	M	X	S	C	A	P	E	Macro	Description
U+02A7C		↯	↰	↱	↲			<code>\gtquest</code>	greater-than with question mark above
U+02A7D	↯	↯	↰	↱	↲	↯		<code>\leqslant<sup>(a)</sup></code>	less-than or slanted equal to
U+02A7E	↯	↯	↰	↱	↲	↯		<code>\geqslant<sup>(a)</sup></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>\gesdotor</code>	greater-than or slanted equal to with dot above right
U+02A85	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\lessapprox<sup>(a)</sup></code>	less-than or approximate
U+02A86	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\gtrapprox<sup>(a)</sup></code>	greater-than or approximate
U+02A87	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\lneq<sup>(a)</sup></code>	less-than and single-line not equal to
U+02A88	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\gneq<sup>(a)</sup></code>	greater-than and single-line not equal to
U+02A89	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\lnapprox<sup>(a)</sup></code>	less-than and not approximate
U+02A8A	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\gnapprox<sup>(a)</sup></code>	greater-than and not approximate
U+02A8B		↯↯↯↯	↯↯↯↯	↯↯↯↯	↯↯↯↯	↯↯↯↯		<code>\lesseqgtr<sup>(a)</sup></code>	less-than above double-line equal above greater-than
U+02A8C	↯↯↯↯					↯↯↯↯		<code>\gtreqless<sup>(a)</sup></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
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<sup>(a)</sup></code>	slanted equal to or less-than
U+02A96	↯↯	↯↯	↯↯	↯↯	↯↯	↯↯		<code>\eqslantgtr<sup>(a)</sup></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
U+02AAA		↯↯↯↯	↯↯↯↯	↯↯↯↯	↯↯↯↯			<code>\smt</code>	smaller than
U+02AAB		↯↯↯↯	↯↯↯↯	↯↯↯↯	↯↯↯↯			<code>\lat</code>	larger than

USV	M	X	S	C	A	P	E	Macro	Description
U+02AAC		𐤀	𐤁	𐤂	𐤃			<code>\smte</code>	smaller than or equal to
U+02AAD		𐤄	𐤅	𐤆	𐤇			<code>\late</code>	larger than or equal to
U+02AAE		𐤈	𐤉	𐤊	𐤋			<code>\bumpeq</code>	equals sign with bumpy above
U+02AAF	𐤌	𐤍	𐤎	𐤏	𐤐	𐤑		<code>\preceq<sup>(p)</sup></code>	precedes above single-line equals sign
U+02AB0	𐤒	𐤓	𐤔	𐤕	𐤖	𐤗		<code>\succeq<sup>(p)</sup></code>	succeeds above single-line equals sign
U+02AB1		𐤘	𐤙	𐤚	𐤛			<code>\precneq</code>	precedes above single-line not equal to
U+02AB2		𐤜	𐤝	𐤞	𐤟			<code>\succneq</code>	succeeds above single-line not equal to
U+02AB3		𐤠	𐤡	𐤢	𐤣			<code>\preceqq</code>	precedes above equals sign
U+02AB4		𐤤	𐤥	𐤦	𐤧			<code>\succeqq</code>	succeeds above equals sign
U+02AB5		𐤨	𐤩	𐤪	𐤫			<code>\precneqq<sup>(a)</sup></code>	precedes above not equal to
U+02AB6		𐤬	𐤭	𐤮	𐤯			<code>\succneqq<sup>(a)</sup></code>	succeeds above not equal to
U+02AB7		𐤲	𐤳	𐤴	𐤵			<code>\precapprox<sup>(a)</sup></code>	precedes above almost equal to
U+02AB8		𐤶	𐤷	𐤸	𐤹			<code>\succapprox<sup>(a)</sup></code>	succeeds above almost equal to
U+02AB9		𐤺	𐤻	𐤼	𐤽			<code>\precnapprox<sup>(a)</sup></code>	precedes above not almost equal to
U+02ABA		𐤿	𐀀	𐀁	𐀂			<code>\succnapprox<sup>(a)</sup></code>	succeeds above not almost equal to
U+02ABB		𐀃	𐀄	𐀅	𐀆			<code>\Prec</code>	double precedes
U+02ABC		𐀇	𐀈	𐀉	𐀊			<code>\Succ</code>	double succeeds
U+02ABD		𐀋	𐀌	𐀍	𐀎			<code>\subsetdot</code>	subset with dot
U+02ABE		𐀏	𐀐	𐀑	𐀒			<code>\supsetdot</code>	superset with dot
U+02ABF		𐀓	𐀔	𐀕	𐀖			<code>\subsetplus</code>	subset with plus sign below
U+02AC0		𐀗	𐀘	𐀙	𐀚			<code>\supsetplus</code>	superset with plus sign below
U+02AC1		𐀛	𐀜	𐀝	𐀞			<code>\subsetmult</code>	subset with multiplication sign below
U+02AC2		𐀟	𐀠	𐀡	𐀢			<code>\supmult</code>	superset with multiplication sign below
U+02AC3		𐀣	𐀤	𐀥	𐀦			<code>\subedot</code>	subset of or equal to with dot above
U+02AC4		𐀧	𐀨	𐀩	𐀪			<code>\supedot</code>	superset of or equal to with dot above
U+02AC5		𐀫	𐀬	𐀭	𐀮			<code>\subseteqq<sup>(a)</sup></code>	subset of above equals sign
U+02AC6		𐀯	𐀰	𐀱	𐀲			<code>\supseteqq<sup>(a)</sup></code>	superset of above equals sign
U+02AC7		𐀳	𐀴	𐀵	𐀶			<code>\subset sim</code>	subset of above tilde operator
U+02AC8		𐀷	𐀸	𐀹	𐀺			<code>\sup sim</code>	superset of above tilde operator
U+02AC9		𐀻	𐀼	𐀽	𐀾			<code>\subsetapprox</code>	subset of above almost equal to
U+02ACA		𐀿	𐁀	𐁁	𐁂			<code>\supsetapprox</code>	superset of above almost equal to
U+02ACB		𐁃	𐁄	𐁅	𐁆			<code>\subsetsetneqq<sup>(a)</sup></code>	subset of above not equal to
U+02ACC		𐁇	𐁈	𐁉	𐁊			<code>\supsetsetneqq<sup>(a)</sup></code>	superset of above not equal to
U+02ACD		𐁋	𐁌	𐁍	𐁎			<code>\lsqhook</code>	square left open box operator
U+02ACE		𐁏	𐁐	𐁑	𐁒			<code>\rsqhook</code>	square right open box operator
U+02ACF		𐁓	𐁔	𐁕	𐁖			<code>\csub</code>	closed subset
U+02AD0		𐁗	𐁘	𐁙	𐁚			<code>\csup</code>	closed superset
U+02AD1		𐁛	𐁜	𐁝	𐁞			<code>\csube</code>	closed subset or equal to
U+02AD2		𐁟	𐁠	𐁡	𐁢			<code>\csupe</code>	closed superset or equal to
U+02AD3		𐁣	𐁤	𐁥	𐁦			<code>\subset sup</code>	subset above superset
U+02AD4		𐁧	𐁨	𐁩	𐁪			<code>\sup sub</code>	superset above subset
U+02AD5		𐁫	𐁬	𐁭	𐁮			<code>\subset sub</code>	subset above subset
U+02AD6		𐁯	𐁰	𐁱	𐁲			<code>\sup sup</code>	superset above superset
U+02AD7		𐁳	𐁴	𐁵	𐁶			<code>\sup hsub</code>	superset beside subset
U+02AD8		𐁷	𐁸	𐁹	𐁺			<code>\sup dsub</code>	superset beside and joined by dash with subset
U+02AD9		𐁻	𐁼	𐁽	𐁾			<code>\forkv</code>	element of opening downwards
U+02ADA		𐁿	𐂀	𐂁	𐂂			<code>\topfork</code>	pitchfork with tee top
U+02ADB		𐂃	𐂄	𐂅	𐂆			<code>\mlcp</code>	transversal intersection
U+02ADC		𐂇	𐂈	𐂉	𐂊			<code>\forks</code>	forking
U+02ADD		𐂋	𐂌	𐂍	𐂎			<code>\forksnot</code>	nonforking

USV	M	X	S	C	A	P	E	Macro	Description
U+02ADE		┐	┐	┐	┐			\shortlefttack	short left tack
U+02ADF		┘	┘	┘	┘			\shortdowntack	short down tack
U+02AE0		┌	┌	┌	┌			\shortuptack	short up tack
U+02AE2		≡	≡	≡	≡			\vDdash	vertical bar triple right turnstile
U+02AE3		≡	≡	≡	≡			\dashV	double vertical bar left turnstile
U+02AE4		≡	≡	≡	≡			\Dashv	vertical bar double left turnstile
U+02AE5		≡	≡	≡	≡			\DashV	double vertical bar double left turnstile
U+02AE6		≡	≡	≡	≡			\varVdash	long dash from left member of double vertical
U+02AE7		┘	┘	┘	┘			\Barv	short down tack with overbar
U+02AE8		┐	┐	┐	┐			\vBar	short up tack with underbar
U+02AE9		┐	┐	┐	┐			\vBarv	short up tack above short down tack
U+02AEA		┘	┘	┘	┘			\barV	double down tack
U+02AEB		┘	┘	┘	┘			\Vbar	double up tack
U+02AEC		⌋	⌋	⌋	⌋			\Not	double stroke not sign
U+02AED		⌋	⌋	⌋	⌋			\bNot	reversed double stroke not sign
U+02AEE		⌋	⌋	⌋	⌋			\revnmid	does not divide with reversed negation slash
U+02AEF		⌋	⌋	⌋	⌋			\circamid	vertical line with circle above
U+02AF0		⌋	⌋	⌋	⌋			\midcir	vertical line with circle below
U+02AF2		≡	≡	≡	≡			\nhpar	parallel with horizontal stroke
U+02AF3		≡	≡	≡	≡			\parsim	parallel with tilde operator
U+02AF7		≡	≡	≡	≡			\lllnest	stacked very much less-than
U+02AF8		≡	≡	≡	≡			\gggnest	stacked very much greater-than
U+02AF9		≡	≡	≡	≡			\leqqslant	double-line slanted less-than or equal to
U+02AFA		≡	≡	≡	≡			\geqqslant	double-line slanted greater-than or equal to
U+02B30		↰	↰	↰	↰			\circleonleftarrow	left arrow with small circle
U+02B31	↰	↰	↰	↰	↰	↰		\leftthreearrows	three leftwards arrows
U+02B32		↰	↰	↰	↰			\leftarrowonoplus	left arrow with circled plus
U+02B33	↰	↰	↰	↰	↰			\longleftsquigarrow	long leftwards squiggle arrow
U+02B34		↰	↰	↰	↰			\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke
U+02B35		↰	↰	↰	↰			\Nvtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
U+02B36		↰	↰	↰	↰			\twoheadmapsfrom	leftwards two-headed arrow from bar
U+02B37		↰	↰	↰	↰			\twoheadleftdbkarrow	leftwards two-headed triple-dash arrow
U+02B38		↰	↰	↰	↰			\leftdotarrow	leftwards arrow with dotted stem
U+02B39		↰	↰	↰	↰			\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A		↰	↰	↰	↰			\NVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B		↰	↰	↰	↰			\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C		↰	↰	↰	↰			\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		↰	↰	↰	↰			\NVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↰	↰	↰	↰			\leftarrowx	leftwards arrow through x
U+02B3F		↰	↰	↰	↰			\leftcurvedarrow	wave arrow pointing directly left
U+02B40		↰	↰	↰	↰			\equalleftarrow	equals sign above leftwards arrow
U+02B41		↰	↰	↰	↰			\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42		↰	↰	↰	↰			\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43		↰	↰	↰	↰			\rightarrowgttr	rightwards arrow through greater-than
U+02B44		↰	↰	↰	↰			\rightarrowsupset	rightwards arrow through subset
U+02B45		↰	↰	↰	↰			\LLeftarrow	leftwards quadruple arrow
U+02B46		↰	↰	↰	↰			\Rrightarrow	rightwards quadruple arrow
U+02B47		↰	↰	↰	↰			\bsimilarrightarrow	reverse tilde operator above rightwards arrow
U+02B48		↰	↰	↰	↰			\rightarrowbackapprox	rightwards arrow above reverse almost equal to

usv	M	X	S	C	A	P	E	Macro	Description
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

## 13 Alphabetical symbols, \mathalpha

### 13.1 Normal weight

#### 13.1.1 Upright Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+00391	Α	Α	Α	Α	Α	Α	Α	\mupAlpha	capital alpha, greek
U+00392	Β	Β	Β	Β	Β	Β	Β	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
U+00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\mupEpsilon	capital epsilon, greek
U+00396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mupZeta	capital zeta, greek
U+00397	Η	Η	Η	Η	Η	Η	Η	\mupEta	capital eta, greek
U+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
U+00399	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\mupIota	capital iota, greek
U+0039A	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\mupKappa	capital kappa, greek
U+0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
U+0039C	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mupMu	capital mu, greek
U+0039D	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mupOmicron	capital omicron, greek
U+003A0	Π	Π	Π	Π	Π	Π	Π	\mupPi	capital pi, greek
U+003A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mupRho	capital rho, greek
U+003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

#### 13.1.2 Upright Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+003B1	α	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	β	\mupbeta	small beta, greek
U+003B3	γ	γ	γ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	δ	\mupdelta	small delta, greek
U+003B5	ε	ε	ε	ε	ε	ε	ε	\mupepsilon	rounded small epsilon, greek
U+003B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
U+003B7	η	η	η	η	η	η	η	\mupeta	small eta, greek
U+003B8	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
U+003B9	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+003BA	κ	κ	κ	κ	κ	κ	κ	\mupkappa	small kappa, greek
U+003BB	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+003BD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek

USV	M	X	S	C	A	P	E	Macro	Description
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+003BF	ο	ο	ο	ο	ο	ο	ο	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	π	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς		\mupvarsigma	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D0		β	β	β	β			\mupvarbeta	rounded small beta, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvarthetaeta	/varthetaeta - curly or open theta
U+003D5	φ	φ	φ	φ	φ	φ	φ	\mupphi	/straightphi - small phi, greek
U+003D6	ω	ω	ω	ω	ω	ω	ω	\mupvarpi	rounded small pi (pomega), greek
U+003DA		ς	ς	ς				\upStigma	capital stigma
U+003DB		ς	ς	ς				\upstigma	greek small letter stigma
U+003DC		Ϝ	Ϝ	Ϝ	Ϝ			\upDigamma	capital digamma
U+003DD		ϝ	ϝ	ϝ	ϝ			\updigamma	old greek small letter digamma
U+003DE		Ϟ	Ϟ	Ϟ				\upKoppa	capital koppa
U+003DF		ϟ	ϟ	ϟ				\upkoppa	greek small letter koppa
U+003E0		Ϡ	Ϡ	Ϡ				\upSampi	capital sampi
U+003E1		ϡ	ϡ	ϡ				\upsampi	greek small letter sampi
U+003F0	κ	κ	κ	κ	κ			\mupvarkappa	rounded small kappa, greek
U+003F1	ρ	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	ε	ε	\mupvarepsilon	greek lunate epsilon symbol

### 13.1.3 Italic, Latin, uppercase

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

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

### 13.1.4 Italic, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D44E	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>		\mita	mathematical italic small a
U+1D44F	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>		\mitb	mathematical italic small b
U+1D450	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>		\mitc	mathematical italic small c
U+1D451	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>		\mitd	mathematical italic small d
U+1D452	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>		\mite	mathematical italic small e
U+1D453	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>		\mitf	mathematical italic small f
U+1D454	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>		\mitg	mathematical italic small g
U+1D456	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>		\miti	mathematical italic small i
U+1D457	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>		\mitj	mathematical italic small j
U+1D458	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>		\mitk	mathematical italic small k
U+1D459	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>		\mitl	mathematical italic small l
U+1D45A	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>		\mitm	mathematical italic small m
U+1D45B	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>		\mitn	mathematical italic small n
U+1D45C	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>		\mito	mathematical italic small o
U+1D45D	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>		\mitp	mathematical italic small p
U+1D45E	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>		\mitq	mathematical italic small q
U+1D45F	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>		\mitr	mathematical italic small r
U+1D460	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>		\mits	mathematical italic small s
U+1D461	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>		\mitt	mathematical italic small t
U+1D462	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>		\mitu	mathematical italic small u
U+1D463	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>		\mitv	mathematical italic small v
U+1D464	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>		\mitw	mathematical italic small w
U+1D465	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>		\mitx	mathematical italic small x
U+1D466	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>		\mity	mathematical italic small y
U+1D467	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>		\mitz	mathematical italic small z

### 13.1.5 Italic Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6E2	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>		\mitAlpha	mathematical italic capital alpha

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6E3	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>		\mitBeta	mathematical italic capital beta
U+1D6E4	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>		\mitGamma	mathematical italic capital gamma
U+1D6E5	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>		\mitDelta	mathematical italic capital delta
U+1D6E6	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>		\mitEpsilon	mathematical italic capital epsilon
U+1D6E7	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>		\mitZeta	mathematical italic capital zeta
U+1D6E8	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>		\mitEta	mathematical italic capital eta
U+1D6E9	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>		\mitTheta	mathematical italic capital theta
U+1D6EA	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>		\mitIota	mathematical italic capital iota
U+1D6EB	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>		\mitKappa	mathematical italic capital kappa
U+1D6EC	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>		\mitLambda	mathematical italic capital lambda
U+1D6ED	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>		\mitMu	mathematical italic capital mu
U+1D6EE	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>		\mitNu	mathematical italic capital nu
U+1D6EF	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>		\mitXi	mathematical italic capital xi
U+1D6F0	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>		\mitOmicron	mathematical italic capital omicron
U+1D6F1	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>		\mitPi	mathematical italic capital pi
U+1D6F2	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>		\mitRho	mathematical italic capital rho
U+1D6F3	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>		\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>		\mitSigma	mathematical italic capital sigma
U+1D6F5	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>		\mitTau	mathematical italic capital tau
U+1D6F6	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>		\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>		\mitPhi	mathematical italic capital phi
U+1D6F8	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		\mitChi	mathematical italic capital chi
U+1D6F9	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>		\mitPsi	mathematical italic capital psi
U+1D6FA	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>		\mitOmega	mathematical italic capital omega

### 13.1.6 Italic Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6FC	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>		\mitalpha	mathematical italic small alpha
U+1D6FD	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>		\mitbeta	mathematical italic small beta
U+1D6FE	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>		\mitgamma	mathematical italic small gamma
U+1D6FF	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>		\mitdelta	mathematical italic small delta
U+1D700	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>		\mitepsilon	mathematical italic small epsilon
U+1D701	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>		\mitzeta	mathematical italic small zeta
U+1D702	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>		\miteta	mathematical italic small eta
U+1D703	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>		\mittheta	mathematical italic small theta
U+1D704	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>		\mitiota	mathematical italic small iota
U+1D705	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>		\mitkappa	mathematical italic small kappa
U+1D706	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>		\mitlambda	mathematical italic small lambda
U+1D707	<i>μ</i>	<i>μ</i>	<i>μ</i>	<i>μ</i>	<i>μ</i>	<i>μ</i>		\mitmu	mathematical italic small mu
U+1D708	<i>ν</i>	<i>ν</i>	<i>ν</i>	<i>ν</i>	<i>ν</i>	<i>ν</i>		\mitnu	mathematical italic small nu
U+1D709	<i>ξ</i>	<i>ξ</i>	<i>ξ</i>	<i>ξ</i>	<i>ξ</i>	<i>ξ</i>		\mitxi	mathematical italic small xi
U+1D70A	<i>ο</i>	<i>ο</i>	<i>ο</i>	<i>ο</i>	<i>ο</i>	<i>ο</i>		\mitomicron	mathematical italic small omicron
U+1D70B	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>		\mitpi	mathematical italic small pi
U+1D70C	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>		\mitrho	mathematical italic small rho
U+1D70D	<i>ς</i>	<i>ς</i>	<i>ς</i>	<i>ς</i>	<i>ς</i>	<i>ς</i>		\mitvarsigma	mathematical italic small final sigma
U+1D70E	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>		\mitsigma	mathematical italic small sigma
U+1D70F	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>		\mittau	mathematical italic small tau



USV	M	X	S	C	A	P	E	Macro	Description
U+1D710	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>		\mitupsilon	mathematical italic small upsilon
U+1D711	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>		\mitphi	mathematical italic small phi
U+1D712	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>		\mitchi	mathematical italic small chi
U+1D713	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>		\mitpsi	mathematical italic small psi
U+1D714	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>		\mitomega	mathematical italic small omega
U+1D715	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>		\mitpartial	mathematical italic partial differential
U+1D716	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>		\mitvarepsilon	mathematical italic epsilon symbol
U+1D717	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>		\mitvartheta	mathematical italic theta symbol
U+1D718	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>		\mitvarkappa	mathematical italic kappa symbol
U+1D719	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>		\mitvarphi	mathematical italic phi symbol
U+1D71A	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>		\mitvarrho	mathematical italic rho symbol
U+1D71B	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>		\mitvarpi	mathematical italic pi symbol

### 13.1.7 Script, Latin, uppercase

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

### 13.1.8 Script, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4B6	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>		\mscra	mathematical script small a
U+1D4B7	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>		\mscrb	mathematical script small b
U+1D4B8	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>		\mscrc	mathematical script small c
U+1D4B9	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>		\mscrd	mathematical script small d
U+1D4BB	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>		\mscrf	mathematical script small f
U+1D4BD	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>		\mscrh	mathematical script small h

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4BE		<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>		<code>\mscri</code>	mathematical script small i
U+1D4BF		<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>		<code>\mscrj</code>	mathematical script small j
U+1D4C0		<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>		<code>\mscrk</code>	mathematical script small k
U+1D4C1		<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>		<code>\mscrl</code>	mathematical script small l
U+1D4C2		<i>m</i>	<i>m</i>	<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>	<i>n</i>	<i>n</i>		<code>\mscrn</code>	mathematical script small n
U+1D4C5		<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>		<code>\mscrp</code>	mathematical script small p
U+1D4C6		<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>		<code>\mscrq</code>	mathematical script small q
U+1D4C7		<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>		<code>\mscrr</code>	mathematical script small r
U+1D4C8		<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>		<code>\mscrs</code>	mathematical script small s
U+1D4C9		<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>		<code>\mscrt</code>	mathematical script small t
U+1D4CA		<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>		<code>\mscru</code>	mathematical script small u
U+1D4CB		<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>		<code>\mscrv</code>	mathematical script small v
U+1D4CC		<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>		<code>\mscrw</code>	mathematical script small w
U+1D4CD		<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>		<code>\mscrx</code>	mathematical script small x
U+1D4CE		<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>		<code>\mscry</code>	mathematical script small y
U+1D4CF		<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>		<code>\mscrz</code>	mathematical script small z

### 13.1.9 Fraktur, Latin, uppercase

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

### 13.1.10 Fraktur, Latin, lowercase

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

### 13.1.11 Blackboard, Latin, uppercase

usv	M	X	S	C	A	P	E	Macro	Description
U+1D538	ᵃ	ᵃ	ᵃ	ᵃ	ᵃ	ᵃ		\BbbA	mathematical double-struck capital a
U+1D539	ᵇ	ᵇ	ᵇ	ᵇ	ᵇ	ᵇ		\BbbB	mathematical double-struck capital b
U+1D53B	ᵈ	ᵈ	ᵈ	ᵈ	ᵈ	ᵈ		\BbbD	mathematical double-struck capital d
U+1D53C	ᵉ	ᵉ	ᵉ	ᵉ	ᵉ	ᵉ		\BbbE	mathematical double-struck capital e
U+1D53D	ᶠ	ᶠ	ᶠ	ᶠ	ᶠ	ᶠ		\BbbF	mathematical double-struck capital f
U+1D53E	ᵍ	ᵍ	ᵍ	ᵍ	ᵍ	ᵍ		\BbbG	mathematical double-struck capital g
U+1D540	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbI	mathematical double-struck capital i
U+1D541	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbJ	mathematical double-struck capital j
U+1D542	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbK	mathematical double-struck capital k
U+1D543	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbL	mathematical double-struck capital l
U+1D544	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbM	mathematical double-struck capital m
U+1D546	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbO	mathematical double-struck capital o
U+1D54A	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbS	mathematical double-struck capital s
U+1D54B	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbT	mathematical double-struck capital t
U+1D54C	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbU	mathematical double-struck capital u
U+1D54D	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbV	mathematical double-struck capital v
U+1D54E	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ	ᵏ		\BbbW	mathematical double-struck capital w

USV	M	X	S	C	A	P	E	Macro	Description
U+1D54F	X	X	X	X	X	X		\BbbX	mathematical double-struck capital x
U+1D550	Y	Y	Y	Y	Y	Y		\BbbY	mathematical double-struck capital y

### 13.1.12 Blackboard, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D552	a	a	a	a	a	a		\Bbba	mathematical double-struck small a
U+1D553	b	b	b	b	b	b		\Bbbb	mathematical double-struck small b
U+1D554	c	c	c	c	c	c		\Bbbc	mathematical double-struck small c
U+1D555	d	d	d	d	d	d		\Bbbd	mathematical double-struck small d
U+1D556	e	e	e	e	e	e		\Bbbe	mathematical double-struck small e
U+1D557	f	f	f	f	f	f		\Bbbf	mathematical double-struck small f
U+1D558	g	g	g	g	g	g		\Bbbg	mathematical double-struck small g
U+1D559	h	h	h	h	h	h		\Bbbh	mathematical double-struck small h
U+1D55A	i	i	i	i	i	i		\Bbbi	mathematical double-struck small i
U+1D55B	j	j	j	j	j	j		\Bbbj	mathematical double-struck small j
U+1D55C	k	k	k	k	k	k		\Bbbk <sup>(a)</sup>	mathematical double-struck small k
U+1D55D	l	l	l	l	l	l		\Bbb l	mathematical double-struck small l
U+1D55E	m	m	m	m	m	m		\Bbbm	mathematical double-struck small m
U+1D55F	n	n	n	n	n	n		\Bbbn	mathematical double-struck small n
U+1D560	o	o	o	o	o	o		\Bbbo	mathematical double-struck small o
U+1D561	p	p	p	p	p	p		\Bbbp	mathematical double-struck small p
U+1D562	q	q	q	q	q	q		\Bbbq	mathematical double-struck small q
U+1D563	r	r	r	r	r	r		\Bbb r	mathematical double-struck small r
U+1D564	s	s	s	s	s	s		\Bbbs	mathematical double-struck small s
U+1D565	t	t	t	t	t	t		\Bbbt	mathematical double-struck small t
U+1D566	u	u	u	u	u	u		\Bbbu	mathematical double-struck small u
U+1D567	v	v	v	v	v	v		\Bbbv	mathematical double-struck small v
U+1D568	w	w	w	w	w	w		\Bbbw	mathematical double-struck small w
U+1D569	x	x	x	x	x	x		\Bbbx	mathematical double-struck small x
U+1D56A	y	y	y	y	y	y		\Bbby	mathematical double-struck small y
U+1D56B	z	z	z	z	z	z		\Bbbz	mathematical double-struck small z

### 13.1.13 Sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5A0	A	A	A	A	A	A		\msansA	mathematical sans-serif capital a
U+1D5A1	B	B	B	B	B	B		\msansB	mathematical sans-serif capital b
U+1D5A2	C	C	C	C	C	C		\msansC	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D		\msansD	mathematical sans-serif capital d
U+1D5A4	E	E	E	E	E	E		\msansE	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F		\msansF	mathematical sans-serif capital f
U+1D5A6	G	G	G	G	G	G		\msansG	mathematical sans-serif capital g
U+1D5A7	H	H	H	H	H	H		\msansH	mathematical sans-serif capital h
U+1D5A8	I	I	I	I	I	I		\msansI	mathematical sans-serif capital i

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5A9	J	J	J	J	J	J		\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K		\msansK	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L		\msansL	mathematical sans-serif capital l
U+1D5AC	M	M	M	M	M	M		\msansM	mathematical sans-serif capital m
U+1D5AD	N	N	N	N	N	N		\msansN	mathematical sans-serif capital n
U+1D5AE	O	O	O	O	O	O		\msansO	mathematical sans-serif capital o
U+1D5AF	P	P	P	P	P	P		\msansP	mathematical sans-serif capital p
U+1D5B0	Q	Q	Q	Q	Q	Q		\msansQ	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R		\msansR	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S		\msansS	mathematical sans-serif capital s
U+1D5B3	T	T	T	T	T	T		\msansT	mathematical sans-serif capital t
U+1D5B4	U	U	U	U	U	U		\msansU	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V		\msansV	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W		\msansW	mathematical sans-serif capital w
U+1D5B7	X	X	X	X	X	X		\msansX	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	Y		\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z		\msansZ	mathematical sans-serif capital z

### 13.1.14 Sans serif, Latin, lowercase

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

USV	M	X	S	C	A	P	E	Macro	Description
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### 13.1.15 Italic sans serif, Latin, uppercase

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

### 13.1.16 Italic sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D622	<i>a</i>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<i>h</i>		\mitsansh	mathematical sans-serif italic small h
U+1D62A	<i>i</i>	<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>	<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>	<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>	<i>l</i>		\mitsansl	mathematical sans-serif italic small l

USV	M	X	S	C	A	P	E	Macro	Description
U+1D62E	<i>m</i>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<i>z</i>		\mitsansz	mathematical sans-serif italic small z

### 13.1.17 Typewriter, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D670	A	A	A	A	A	A		\mttA	mathematical monospace capital a
U+1D671	B	B	B	B	B	B		\mttB	mathematical monospace capital b
U+1D672	C	C	C	C	C	C		\mttC	mathematical monospace capital c
U+1D673	D	D	D	D	D	D		\mttD	mathematical monospace capital d
U+1D674	E	E	E	E	E	E		\mttE	mathematical monospace capital e
U+1D675	F	F	F	F	F	F		\mttF	mathematical monospace capital f
U+1D676	G	G	G	G	G	G		\mttG	mathematical monospace capital g
U+1D677	H	H	H	H	H	H		\mttH	mathematical monospace capital h
U+1D678	I	I	I	I	I	I		\mttI	mathematical monospace capital i
U+1D679	J	J	J	J	J	J		\mttJ	mathematical monospace capital j
U+1D67A	K	K	K	K	K	K		\mttK	mathematical monospace capital k
U+1D67B	L	L	L	L	L	L		\mttL	mathematical monospace capital l
U+1D67C	M	M	M	M	M	M		\mttM	mathematical monospace capital m
U+1D67D	N	N	N	N	N	N		\mttN	mathematical monospace capital n
U+1D67E	O	O	O	O	O	O		\mttO	mathematical monospace capital o
U+1D67F	P	P	P	P	P	P		\mttP	mathematical monospace capital p
U+1D680	Q	Q	Q	Q	Q	Q		\mttQ	mathematical monospace capital q
U+1D681	R	R	R	R	R	R		\mttR	mathematical monospace capital r
U+1D682	S	S	S	S	S	S		\mttS	mathematical monospace capital s
U+1D683	T	T	T	T	T	T		\mttT	mathematical monospace capital t
U+1D684	U	U	U	U	U	U		\mttU	mathematical monospace capital u
U+1D685	V	V	V	V	V	V		\mttV	mathematical monospace capital v
U+1D686	W	W	W	W	W	W		\mttW	mathematical monospace capital w
U+1D687	X	X	X	X	X	X		\mttX	mathematical monospace capital x
U+1D688	Y	Y	Y	Y	Y	Y		\mttY	mathematical monospace capital y
U+1D689	Z	Z	Z	Z	Z	Z		\mttZ	mathematical monospace capital z

### 13.1.18 Typewriter, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D68A	a	a	a	a	a	a		\mtta	mathematical monospace small a
U+1D68B	b	b	b	b	b	b		\mttb	mathematical monospace small b
U+1D68C	c	c	c	c	c	c		\mttc	mathematical monospace small c
U+1D68D	d	d	d	d	d	d		\mttd	mathematical monospace small d
U+1D68E	e	e	e	e	e	e		\mtte	mathematical monospace small e
U+1D68F	f	f	f	f	f	f		\mttf	mathematical monospace small f
U+1D690	g	g	g	g	g	g		\mttg	mathematical monospace small g
U+1D691	h	h	h	h	h	h		\mtth	mathematical monospace small h
U+1D692	i	i	i	i	i	i		\mtti	mathematical monospace small i
U+1D693	j	j	j	j	j	j		\mttj	mathematical monospace small j
U+1D694	k	k	k	k	k	k		\mttk	mathematical monospace small k
U+1D695	l	l	l	l	l	l		\mttl	mathematical monospace small l
U+1D696	m	m	m	m	m	m		\mttm	mathematical monospace small m
U+1D697	n	n	n	n	n	n		\mttn	mathematical monospace small n
U+1D698	o	o	o	o	o	o		\mtto	mathematical monospace small o
U+1D699	p	p	p	p	p	p		\mttp	mathematical monospace small p
U+1D69A	q	q	q	q	q	q		\mttq	mathematical monospace small q
U+1D69B	r	r	r	r	r	r		\mttr	mathematical monospace small r
U+1D69C	s	s	s	s	s	s		\mtts	mathematical monospace small s
U+1D69D	t	t	t	t	t	t		\mttt	mathematical monospace small t
U+1D69E	u	u	u	u	u	u		\mttu	mathematical monospace small u
U+1D69F	v	v	v	v	v	v		\mttv	mathematical monospace small v
U+1D6A0	w	w	w	w	w	w		\mttw	mathematical monospace small w
U+1D6A1	x	x	x	x	x	x		\mttx	mathematical monospace small x
U+1D6A2	y	y	y	y	y	y		\mtty	mathematical monospace small y
U+1D6A3	z	z	z	z	z	z		\mttz	mathematical monospace small z

## 13.2 Bold

### 13.2.1 Bold, Latin, uppercase

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



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

### 13.2.2 Bold, Latin, lowercase

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

### 13.2.3 Bold Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6A8	Α	Α	Α	Α	Α	Α	Α	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	Β	Β	Β	Β	Β	Β	Β	\mbfBeta	mathematical bold capital beta
U+1D6AA	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mbfGamma	mathematical bold capital gamma
U+1D6AB	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfDelta	mathematical bold capital delta
U+1D6AC	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\mbfEpsilon	mathematical bold capital epsilon
U+1D6AD	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\mbfZeta	mathematical bold capital zeta
U+1D6AE	Η	Η	Η	Η	Η	Η	Η	\mbfEta	mathematical bold capital eta
U+1D6AF	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfTheta	mathematical bold capital theta
U+1D6B0	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\mbfIota	mathematical bold capital iota
U+1D6B1	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\mbfKappa	mathematical bold capital kappa
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mbfMu	mathematical bold capital mu
U+1D6B4	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	Θ	Θ	Θ		\mbfvarTheta	mathematical bold capital theta symbol
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mbfChi	mathematical bold capital chi
U+1D6BF	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
U+1D6C0	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

### 13.2.4 Bold Greek, lowercase

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

USV	M	X	S	C	A	P	E	Macro	Description
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
U+1D6D6	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	ω	ω	ω	ω	ω	ω	ω	\mbfomega	mathematical bold small omega
U+1D6DB	∂	∂	∂	∂	∂	∂	∂	\mbfpartial	mathematical bold partial differential
U+1D6DC	ε	ε	ε	ε	ε	ε	ε	\mbfvarepsilon	mathematical bold epsilon symbol
U+1D6DD	θ	θ	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	φ	φ	\mbfphi	mathematical bold phi symbol
U+1D6E0	ρ	ρ	ρ	ρ	ρ	ρ		\mbfvarrho	mathematical bold rho symbol
U+1D6E1	π	π	π	π	π	π	π	\mbfvarpi	mathematical bold pi symbol

### 13.2.5 Bold italic, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D468	A	A	A	A	A	A		\mbfitA	mathematical bold italic capital a
U+1D469	B	B	B	B	B	B		\mbfitB	mathematical bold italic capital b
U+1D46A	C	C	C	C	C	C		\mbfitC	mathematical bold italic capital c
U+1D46B	D	D	D	D	D	D		\mbfitD	mathematical bold italic capital d
U+1D46C	E	E	E	E	E	E		\mbfitE	mathematical bold italic capital e
U+1D46D	F	F	F	F	F	F		\mbfitF	mathematical bold italic capital f
U+1D46E	G	G	G	G	G	G		\mbfitG	mathematical bold italic capital g
U+1D46F	H	H	H	H	H	H		\mbfitH	mathematical bold italic capital h
U+1D470	I	I	I	I	I	I		\mbfitI	mathematical bold italic capital i
U+1D471	J	J	J	J	J	J		\mbfitJ	mathematical bold italic capital j
U+1D472	K	K	K	K	K	K		\mbfitK	mathematical bold italic capital k
U+1D473	L	L	L	L	L	L		\mbfitL	mathematical bold italic capital l
U+1D474	M	M	M	M	M	M		\mbfitM	mathematical bold italic capital m
U+1D475	N	N	N	N	N	N		\mbfitN	mathematical bold italic capital n
U+1D476	O	O	O	O	O	O		\mbfitO	mathematical bold italic capital o
U+1D477	P	P	P	P	P	P		\mbfitP	mathematical bold italic capital p
U+1D478	Q	Q	Q	Q	Q	Q		\mbfitQ	mathematical bold italic capital q
U+1D479	R	R	R	R	R	R		\mbfitR	mathematical bold italic capital r
U+1D47A	S	S	S	S	S	S		\mbfitS	mathematical bold italic capital s
U+1D47B	T	T	T	T	T	T		\mbfitT	mathematical bold italic capital t
U+1D47C	U	U	U	U	U	U		\mbfitU	mathematical bold italic capital u
U+1D47D	V	V	V	V	V	V		\mbfitV	mathematical bold italic capital v
U+1D47E	W	W	W	W	W	W		\mbfitW	mathematical bold italic capital w
U+1D47F	X	X	X	X	X	X		\mbfitX	mathematical bold italic capital x
U+1D480	Y	Y	Y	Y	Y	Y		\mbfitY	mathematical bold italic capital y
U+1D481	Z	Z	Z	Z	Z	Z		\mbfitZ	mathematical bold italic capital z

### 13.2.6 Bold italic, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D482	<b><i>a</i></b>	<b><i>a</i></b>	<b><i>a</i></b>	<b><i>a</i></b>	<b><i>a</i></b>	<b><i>a</i></b>		\mbfita	mathematical bold italic small a
U+1D483	<b><i>b</i></b>	<b><i>b</i></b>	<b><i>b</i></b>	<b><i>b</i></b>	<b><i>b</i></b>	<b><i>b</i></b>		\mbfitb	mathematical bold italic small b
U+1D484	<b><i>c</i></b>	<b><i>c</i></b>	<b><i>c</i></b>	<b><i>c</i></b>	<b><i>c</i></b>	<b><i>c</i></b>		\mbfitc	mathematical bold italic small c
U+1D485	<b><i>d</i></b>	<b><i>d</i></b>	<b><i>d</i></b>	<b><i>d</i></b>	<b><i>d</i></b>	<b><i>d</i></b>		\mbfitd	mathematical bold italic small d
U+1D486	<b><i>e</i></b>	<b><i>e</i></b>	<b><i>e</i></b>	<b><i>e</i></b>	<b><i>e</i></b>	<b><i>e</i></b>		\mbfite	mathematical bold italic small e
U+1D487	<b><i>f</i></b>	<b><i>f</i></b>	<b><i>f</i></b>	<b><i>f</i></b>	<b><i>f</i></b>	<b><i>f</i></b>		\mbfitf	mathematical bold italic small f
U+1D488	<b><i>g</i></b>	<b><i>g</i></b>	<b><i>g</i></b>	<b><i>g</i></b>	<b><i>g</i></b>	<b><i>g</i></b>		\mbfitg	mathematical bold italic small g
U+1D489	<b><i>h</i></b>	<b><i>h</i></b>	<b><i>h</i></b>	<b><i>h</i></b>	<b><i>h</i></b>	<b><i>h</i></b>		\mbfith	mathematical bold italic small h
U+1D48A	<b><i>i</i></b>	<b><i>i</i></b>	<b><i>i</i></b>	<b><i>i</i></b>	<b><i>i</i></b>	<b><i>i</i></b>		\mbfiti	mathematical bold italic small i
U+1D48B	<b><i>j</i></b>	<b><i>j</i></b>	<b><i>j</i></b>	<b><i>j</i></b>	<b><i>j</i></b>	<b><i>j</i></b>		\mbfitj	mathematical bold italic small j
U+1D48C	<b><i>k</i></b>	<b><i>k</i></b>	<b><i>k</i></b>	<b><i>k</i></b>	<b><i>k</i></b>	<b><i>k</i></b>		\mbfitk	mathematical bold italic small k
U+1D48D	<b><i>l</i></b>	<b><i>l</i></b>	<b><i>l</i></b>	<b><i>l</i></b>	<b><i>l</i></b>	<b><i>l</i></b>		\mbfitl	mathematical bold italic small l
U+1D48E	<b><i>m</i></b>	<b><i>m</i></b>	<b><i>m</i></b>	<b><i>m</i></b>	<b><i>m</i></b>	<b><i>m</i></b>		\mbfitm	mathematical bold italic small m
U+1D48F	<b><i>n</i></b>	<b><i>n</i></b>	<b><i>n</i></b>	<b><i>n</i></b>	<b><i>n</i></b>	<b><i>n</i></b>		\mbfitn	mathematical bold italic small n
U+1D490	<b><i>o</i></b>	<b><i>o</i></b>	<b><i>o</i></b>	<b><i>o</i></b>	<b><i>o</i></b>	<b><i>o</i></b>		\mbfito	mathematical bold italic small o
U+1D491	<b><i>p</i></b>	<b><i>p</i></b>	<b><i>p</i></b>	<b><i>p</i></b>	<b><i>p</i></b>	<b><i>p</i></b>		\mbfitp	mathematical bold italic small p
U+1D492	<b><i>q</i></b>	<b><i>q</i></b>	<b><i>q</i></b>	<b><i>q</i></b>	<b><i>q</i></b>	<b><i>q</i></b>		\mbfitq	mathematical bold italic small q
U+1D493	<b><i>r</i></b>	<b><i>r</i></b>	<b><i>r</i></b>	<b><i>r</i></b>	<b><i>r</i></b>	<b><i>r</i></b>		\mbfitr	mathematical bold italic small r
U+1D494	<b><i>s</i></b>	<b><i>s</i></b>	<b><i>s</i></b>	<b><i>s</i></b>	<b><i>s</i></b>	<b><i>s</i></b>		\mbfits	mathematical bold italic small s
U+1D495	<b><i>t</i></b>	<b><i>t</i></b>	<b><i>t</i></b>	<b><i>t</i></b>	<b><i>t</i></b>	<b><i>t</i></b>		\mbfitt	mathematical bold italic small t
U+1D496	<b><i>u</i></b>	<b><i>u</i></b>	<b><i>u</i></b>	<b><i>u</i></b>	<b><i>u</i></b>	<b><i>u</i></b>		\mbfitu	mathematical bold italic small u
U+1D497	<b><i>v</i></b>	<b><i>v</i></b>	<b><i>v</i></b>	<b><i>v</i></b>	<b><i>v</i></b>	<b><i>v</i></b>		\mbfitv	mathematical bold italic small v
U+1D498	<b><i>w</i></b>	<b><i>w</i></b>	<b><i>w</i></b>	<b><i>w</i></b>	<b><i>w</i></b>	<b><i>w</i></b>		\mbfitw	mathematical bold italic small w
U+1D499	<b><i>x</i></b>	<b><i>x</i></b>	<b><i>x</i></b>	<b><i>x</i></b>	<b><i>x</i></b>	<b><i>x</i></b>		\mbfitx	mathematical bold italic small x
U+1D49A	<b><i>y</i></b>	<b><i>y</i></b>	<b><i>y</i></b>	<b><i>y</i></b>	<b><i>y</i></b>	<b><i>y</i></b>		\mbfity	mathematical bold italic small y
U+1D49B	<b><i>z</i></b>	<b><i>z</i></b>	<b><i>z</i></b>	<b><i>z</i></b>	<b><i>z</i></b>	<b><i>z</i></b>		\mbfitz	mathematical bold italic small z

### 13.2.7 Bold italic Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D71C	<b><i>Α</i></b>	<b><i>Α</i></b>	<b><i>Α</i></b>	<b><i>Α</i></b>	<b><i>Α</i></b>	<b><i>Α</i></b>		\mbfitAlpha	mathematical bold italic capital alpha
U+1D71D	<b><i>Β</i></b>	<b><i>Β</i></b>	<b><i>Β</i></b>	<b><i>Β</i></b>	<b><i>Β</i></b>	<b><i>Β</i></b>		\mbfitBeta	mathematical bold italic capital beta
U+1D71E	<b><i>Γ</i></b>	<b><i>Γ</i></b>	<b><i>Γ</i></b>	<b><i>Γ</i></b>	<b><i>Γ</i></b>	<b><i>Γ</i></b>		\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	<b><i>Δ</i></b>	<b><i>Δ</i></b>	<b><i>Δ</i></b>	<b><i>Δ</i></b>	<b><i>Δ</i></b>	<b><i>Δ</i></b>		\mbfitDelta	mathematical bold italic capital delta
U+1D720	<b><i>Ε</i></b>	<b><i>Ε</i></b>	<b><i>Ε</i></b>	<b><i>Ε</i></b>	<b><i>Ε</i></b>	<b><i>Ε</i></b>		\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D721	<b><i>Ζ</i></b>	<b><i>Ζ</i></b>	<b><i>Ζ</i></b>	<b><i>Ζ</i></b>	<b><i>Ζ</i></b>	<b><i>Ζ</i></b>		\mbfitZeta	mathematical bold italic capital zeta
U+1D722	<b><i>Η</i></b>	<b><i>Η</i></b>	<b><i>Η</i></b>	<b><i>Η</i></b>	<b><i>Η</i></b>	<b><i>Η</i></b>		\mbfitEta	mathematical bold italic capital eta
U+1D723	<b><i>Θ</i></b>	<b><i>Θ</i></b>	<b><i>Θ</i></b>	<b><i>Θ</i></b>	<b><i>Θ</i></b>	<b><i>Θ</i></b>		\mbfitTheta	mathematical bold italic capital theta
U+1D724	<b><i>Ι</i></b>	<b><i>Ι</i></b>	<b><i>Ι</i></b>	<b><i>Ι</i></b>	<b><i>Ι</i></b>	<b><i>Ι</i></b>		\mbfitIota	mathematical bold italic capital iota
U+1D725	<b><i>Κ</i></b>	<b><i>Κ</i></b>	<b><i>Κ</i></b>	<b><i>Κ</i></b>	<b><i>Κ</i></b>	<b><i>Κ</i></b>		\mbfitKappa	mathematical bold italic capital kappa
U+1D726	<b><i>Λ</i></b>	<b><i>Λ</i></b>	<b><i>Λ</i></b>	<b><i>Λ</i></b>	<b><i>Λ</i></b>	<b><i>Λ</i></b>		\mbfitLambda	mathematical bold italic capital lambda
U+1D727	<b><i>Μ</i></b>	<b><i>Μ</i></b>	<b><i>Μ</i></b>	<b><i>Μ</i></b>	<b><i>Μ</i></b>	<b><i>Μ</i></b>		\mbfitMu	mathematical bold italic capital mu
U+1D728	<b><i>Ν</i></b>	<b><i>Ν</i></b>	<b><i>Ν</i></b>	<b><i>Ν</i></b>	<b><i>Ν</i></b>	<b><i>Ν</i></b>		\mbfitNu	mathematical bold italic capital nu
U+1D729	<b><i>Ξ</i></b>	<b><i>Ξ</i></b>	<b><i>Ξ</i></b>	<b><i>Ξ</i></b>	<b><i>Ξ</i></b>	<b><i>Ξ</i></b>		\mbfitXi	mathematical bold italic capital xi
U+1D72A	<b><i>Ο</i></b>	<b><i>Ο</i></b>	<b><i>Ο</i></b>	<b><i>Ο</i></b>	<b><i>Ο</i></b>	<b><i>Ο</i></b>		\mbfitOmicron	mathematical bold italic capital omicron
U+1D72B	<b><i>Π</i></b>	<b><i>Π</i></b>	<b><i>Π</i></b>	<b><i>Π</i></b>	<b><i>Π</i></b>	<b><i>Π</i></b>		\mbfitPi	mathematical bold italic capital pi
U+1D72C	<b><i>Ρ</i></b>	<b><i>Ρ</i></b>	<b><i>Ρ</i></b>	<b><i>Ρ</i></b>	<b><i>Ρ</i></b>	<b><i>Ρ</i></b>		\mbfitRho	mathematical bold italic capital rho

USV	M	X	S	C	A	P	E	Macro	Description
U+1D72D	$\Theta$	$\Theta$	$\Theta$	$\Theta$	$\Theta$	$\Theta$		<code>\mbfitvarTheta</code>	mathematical bold italic capital theta symbol
U+1D72E	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$		<code>\mbfitSigma</code>	mathematical bold italic capital sigma
U+1D72F	$T$	$T$	$T$	$T$	$T$	$T$		<code>\mbfitTau</code>	mathematical bold italic capital tau
U+1D730	$\Upsilon$	$\Upsilon$	$\Upsilon$	$\Upsilon$	$\Upsilon$	$\Upsilon$		<code>\mbfitUpsilon</code>	mathematical bold italic capital upsilon
U+1D731	$\Phi$	$\Phi$	$\Phi$	$\Phi$	$\Phi$	$\Phi$		<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$		<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	$\Psi$	$\Psi$	$\Psi$	$\Psi$	$\Psi$	$\Psi$		<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	$\Omega$	$\Omega$	$\Omega$	$\Omega$	$\Omega$	$\Omega$		<code>\mbfitOmega</code>	mathematical bold italic capital omega

### 13.2.8 Bold italic Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D736	$\alpha$	$\alpha$	$\alpha$	$\alpha$	$\alpha$	$\alpha$		<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	$\beta$	$\beta$	$\beta$	$\beta$	$\beta$	$\beta$		<code>\mbfitbeta</code>	mathematical bold italic small beta
U+1D738	$\gamma$	$\gamma$	$\gamma$	$\gamma$	$\gamma$	$\gamma$		<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	$\delta$	$\delta$	$\delta$	$\delta$	$\delta$	$\delta$		<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$		<code>\mbfitepsilon</code>	mathematical bold italic small epsilon
U+1D73B	$\zeta$	$\zeta$	$\zeta$	$\zeta$	$\zeta$	$\zeta$		<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	$\eta$	$\eta$	$\eta$	$\eta$	$\eta$	$\eta$		<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	$\theta$	$\theta$	$\theta$	$\theta$	$\theta$	$\theta$		<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	$\iota$	$\iota$	$\iota$	$\iota$	$\iota$	$\iota$		<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$		<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	$\lambda$	$\lambda$	$\lambda$	$\lambda$	$\lambda$	$\lambda$		<code>\mbfitlambda</code>	mathematical bold italic small lambda
U+1D741	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$		<code>\mbfitmu</code>	mathematical bold italic small mu
U+1D742	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$		<code>\mbfitnu</code>	mathematical bold italic small nu
U+1D743	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$		<code>\mbfitxi</code>	mathematical bold italic small xi
U+1D744	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$		<code>\mbfitomicron</code>	mathematical bold italic small omicron
U+1D745	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$		<code>\mbfitpi</code>	mathematical bold italic small pi
U+1D746	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$		<code>\mbfitrho</code>	mathematical bold italic small rho
U+1D747	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$		<code>\mbfitvarsigma</code>	mathematical bold italic small final sigma
U+1D748	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$		<code>\mbfitsigma</code>	mathematical bold italic small sigma
U+1D749	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$		<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$		<code>\mbfitupsilon</code>	mathematical bold italic small upsilon
U+1D74B	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$		<code>\mbfitphi</code>	mathematical bold italic small phi
U+1D74C	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$		<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$		<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$		<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$		<code>\mbfitpartial</code>	mathematical bold italic partial differential
U+1D750	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$		<code>\mbfitvarepsilon</code>	mathematical bold italic epsilon symbol
U+1D751	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$		<code>\mbfitvartheta</code>	mathematical bold italic theta symbol
U+1D752	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$		<code>\mbfitvarkappa</code>	mathematical bold italic kappa symbol
U+1D753	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$		<code>\mbfitvarphi</code>	mathematical bold italic phi symbol
U+1D754	$\varrho$	$\varrho$	$\varrho$	$\varrho$	$\varrho$	$\varrho$		<code>\mbfitvarrho</code>	mathematical bold italic rho symbol
U+1D755	$\varpi$	$\varpi$	$\varpi$	$\varpi$	$\varpi$	$\varpi$		<code>\mbfitvarpi</code>	mathematical bold italic pi symbol

### 13.2.9 Bold script, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4D0	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mbfscrA</code>	mathematical bold script capital a
U+1D4D1	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mbfscrB</code>	mathematical bold script capital b
U+1D4D2	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mbfscrC</code>	mathematical bold script capital c
U+1D4D3	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mbfscrD</code>	mathematical bold script capital d
U+1D4D4	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mbfscrE</code>	mathematical bold script capital e
U+1D4D5	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<code>\mbfscrF</code>	mathematical bold script capital f
U+1D4D6	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mbfscrG</code>	mathematical bold script capital g
U+1D4D7	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mbfscrH</code>	mathematical bold script capital h
U+1D4D8	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mbfscrI</code>	mathematical bold script capital i
U+1D4D9	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mbfscrJ</code>	mathematical bold script capital j
U+1D4DA	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mbfscrK</code>	mathematical bold script capital k
U+1D4DB	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<code>\mbfscrL</code>	mathematical bold script capital l
U+1D4DC	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mbfscrM</code>	mathematical bold script capital m
U+1D4DD	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mbfscrN</code>	mathematical bold script capital n
U+1D4DE	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mbfscrO</code>	mathematical bold script capital o
U+1D4DF	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mbfscrP</code>	mathematical bold script capital p
U+1D4E0	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mbfscrQ</code>	mathematical bold script capital q
U+1D4E1	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<code>\mbfscrR</code>	mathematical bold script capital r
U+1D4E2	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mbfscrS</code>	mathematical bold script capital s
U+1D4E3	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mbfscrT</code>	mathematical bold script capital t
U+1D4E4	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mbfscrU</code>	mathematical bold script capital u
U+1D4E5	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mbfscrV</code>	mathematical bold script capital v
U+1D4E6	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mbfscrW</code>	mathematical bold script capital w
U+1D4E7	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mbfscrX</code>	mathematical bold script capital x
U+1D4E8	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mbfscrY</code>	mathematical bold script capital y
U+1D4E9	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfscrZ</code>	mathematical bold script capital z

### 13.2.10 Bold script, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4EA	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>		<code>\mbfscra</code>	mathematical bold script small a
U+1D4EB	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>		<code>\mbfscrb</code>	mathematical bold script small b
U+1D4EC	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>		<code>\mbfscrc</code>	mathematical bold script small c
U+1D4ED	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>		<code>\mbfscrd</code>	mathematical bold script small d
U+1D4EE	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>		<code>\mbfscree</code>	mathematical bold script small e
U+1D4EF	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>		<code>\mbfscrf</code>	mathematical bold script small f
U+1D4F0	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>		<code>\mbfscrg</code>	mathematical bold script small g
U+1D4F1	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>		<code>\mbfscrh</code>	mathematical bold script small h
U+1D4F2	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>		<code>\mbfscri</code>	mathematical bold script small i
U+1D4F3	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>		<code>\mbfscrj</code>	mathematical bold script small j
U+1D4F4	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>		<code>\mbfscrk</code>	mathematical bold script small k
U+1D4F5	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>		<code>\mbfscrL</code>	mathematical bold script small l
U+1D4F6	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>		<code>\mbfscrm</code>	mathematical bold script small m
U+1D4F7	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>		<code>\mbfscrn</code>	mathematical bold script small n
U+1D4F8	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>		<code>\mbfscro</code>	mathematical bold script small o

USV	M	X	S	C	A	P	E	Macro	Description
U+1D4F9		<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>		<code>\mbfscrp</code>	mathematical bold script small p
U+1D4FA		<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>		<code>\mbfscrq</code>	mathematical bold script small q
U+1D4FB		<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>		<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>		<code>\mbfscrs</code>	mathematical bold script small s
U+1D4FD		<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>		<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>		<code>\mbfscru</code>	mathematical bold script small u
U+1D4FF		<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>		<code>\mbfscr v</code>	mathematical bold script small v
U+1D500		<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>		<code>\mbfscrw</code>	mathematical bold script small w
U+1D501		<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>		<code>\mbfscrx</code>	mathematical bold script small x
U+1D502		<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>		<code>\mbfscry</code>	mathematical bold script small y
U+1D503		<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>		<code>\mbfscrz</code>	mathematical bold script small z

### 13.2.11 Bold fraktur, Latin, uppercase

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

### 13.2.12 Bold fraktur, Latin, lowercase



USV	M	X	S	C	A	P	E	Macro	Description
U+1D586	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<code>\mbffraka</code>	mathematical bold fraktur small a
U+1D587	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<code>\mbffrakb</code>	mathematical bold fraktur small b
U+1D588	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<code>\mbffrakc</code>	mathematical bold fraktur small c
U+1D589	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<code>\mbffrakd</code>	mathematical bold fraktur small d
U+1D58A	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<code>\mbffrake</code>	mathematical bold fraktur small e
U+1D58B	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<code>\mbffrakf</code>	mathematical bold fraktur small f
U+1D58C	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<code>\mbffrakg</code>	mathematical bold fraktur small g
U+1D58D	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<code>\mbffрах</code>	mathematical bold fraktur small h
U+1D58E	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<code>\mbffraki</code>	mathematical bold fraktur small i
U+1D58F	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<code>\mbffrakj</code>	mathematical bold fraktur small j
U+1D590	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<code>\mbffrakk</code>	mathematical bold fraktur small k
U+1D591	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<code>\mbffrakl</code>	mathematical bold fraktur small l
U+1D592	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<code>\mbffrakm</code>	mathematical bold fraktur small m
U+1D593	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<code>\mbffrakn</code>	mathematical bold fraktur small n
U+1D594	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<code>\mbffrako</code>	mathematical bold fraktur small o
U+1D595	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<code>\mbffrakp</code>	mathematical bold fraktur small p
U+1D596	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<code>\mbffrakq</code>	mathematical bold fraktur small q
U+1D597	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<code>\mbffrakr</code>	mathematical bold fraktur small r
U+1D598	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<code>\mbffraks</code>	mathematical bold fraktur small s
U+1D599	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<code>\mbffrakt</code>	mathematical bold fraktur small t
U+1D59A	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<code>\mbffraku</code>	mathematical bold fraktur small u
U+1D59B	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<code>\mbffrakv</code>	mathematical bold fraktur small v
U+1D59C	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<code>\mbffrakw</code>	mathematical bold fraktur small w
U+1D59D	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<code>\mbffrakx</code>	mathematical bold fraktur small x
U+1D59E	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<code>\mbffraky</code>	mathematical bold fraktur small y
U+1D59F	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<code>\mbffrakz</code>	mathematical bold fraktur small z

### 13.2.13 Bold sans serif, Latin, uppercase

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



USV	M	X	S	C	A	P	E	Macro	Description
U+1D5E5	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>		<code>\mbfsansR</code>	mathematical sans-serif bold capital r
U+1D5E6	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>		<code>\mbfsansS</code>	mathematical sans-serif bold capital s
U+1D5E7	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>		<code>\mbfsansT</code>	mathematical sans-serif bold capital t
U+1D5E8	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>		<code>\mbfsansU</code>	mathematical sans-serif bold capital u
U+1D5E9	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>		<code>\mbfsansV</code>	mathematical sans-serif bold capital v
U+1D5EA	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>		<code>\mbfsansW</code>	mathematical sans-serif bold capital w
U+1D5EB	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>		<code>\mbfsansX</code>	mathematical sans-serif bold capital x
U+1D5EC	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>		<code>\mbfsansY</code>	mathematical sans-serif bold capital y
U+1D5ED	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		<code>\mbfsansZ</code>	mathematical sans-serif bold capital z

### 13.2.14 Bold sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D5EE	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>		<code>\mbfsansa</code>	mathematical sans-serif bold small a
U+1D5EF	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>		<code>\mbfsansb</code>	mathematical sans-serif bold small b
U+1D5F0	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>		<code>\mbfsansc</code>	mathematical sans-serif bold small c
U+1D5F1	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>		<code>\mbfsansd</code>	mathematical sans-serif bold small d
U+1D5F2	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>		<code>\mbfsanse</code>	mathematical sans-serif bold small e
U+1D5F3	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>		<code>\mbfsansf</code>	mathematical sans-serif bold small f
U+1D5F4	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>		<code>\mbfsansg</code>	mathematical sans-serif bold small g
U+1D5F5	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>		<code>\mbfsansh</code>	mathematical sans-serif bold small h
U+1D5F6	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>		<code>\mbfsansi</code>	mathematical sans-serif bold small i
U+1D5F7	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>		<code>\mbfsansj</code>	mathematical sans-serif bold small j
U+1D5F8	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>		<code>\mbfsansk</code>	mathematical sans-serif bold small k
U+1D5F9	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>		<code>\mbfsansl</code>	mathematical sans-serif bold small l
U+1D5FA	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>		<code>\mbfsansm</code>	mathematical sans-serif bold small m
U+1D5FB	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>		<code>\mbfsansn</code>	mathematical sans-serif bold small n
U+1D5FC	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>		<code>\mbfsanso</code>	mathematical sans-serif bold small o
U+1D5FD	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>		<code>\mbfsansp</code>	mathematical sans-serif bold small p
U+1D5FE	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>		<code>\mbfsansq</code>	mathematical sans-serif bold small q
U+1D5FF	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>		<code>\mbfsansr</code>	mathematical sans-serif bold small r
U+1D600	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>		<code>\mbfsanss</code>	mathematical sans-serif bold small s
U+1D601	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>		<code>\mbfsanst</code>	mathematical sans-serif bold small t
U+1D602	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>		<code>\mbfsansu</code>	mathematical sans-serif bold small u
U+1D603	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>		<code>\mbfsansv</code>	mathematical sans-serif bold small v
U+1D604	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>		<code>\mbfsansw</code>	mathematical sans-serif bold small w
U+1D605	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>		<code>\mbfsansx</code>	mathematical sans-serif bold small x
U+1D606	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>		<code>\mbfsansy</code>	mathematical sans-serif bold small y
U+1D607	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>		<code>\mbfsansz</code>	mathematical sans-serif bold small z

### 13.2.15 Bold italic sans serif, Latin, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D63C	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		<code>\mbfitsansA</code>	mathematical sans-serif bold italic capital a
U+1D63D	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		<code>\mbfitsansB</code>	mathematical sans-serif bold italic capital b

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

### 13.2.16 Bold italic sans serif, Latin, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D656	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>		\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>		\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>		\mbfitsansc	mathematical sans-serif bold italic small c
U+1D659	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>		\mbfitsansd	mathematical sans-serif bold italic small d
U+1D65A	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>		\mbfitsanse	mathematical sans-serif bold italic small e
U+1D65B	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>		\mbfitsansf	mathematical sans-serif bold italic small f
U+1D65C	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>		\mbfitsansg	mathematical sans-serif bold italic small g
U+1D65D	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>		\mbfitsansh	mathematical sans-serif bold italic small h
U+1D65E	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>		\mbfitsansi	mathematical sans-serif bold italic small i
U+1D65F	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>		\mbfitsansj	mathematical sans-serif bold italic small j
U+1D660	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>		\mbfitsansk	mathematical sans-serif bold italic small k
U+1D661	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>		\mbfitsansl	mathematical sans-serif bold italic small l
U+1D662	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>		\mbfitsansm	mathematical sans-serif bold italic small m
U+1D663	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>		\mbfitsansn	mathematical sans-serif bold italic small n
U+1D664	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>		\mbfitsanso	mathematical sans-serif bold italic small o
U+1D665	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>		\mbfitsansp	mathematical sans-serif bold italic small p
U+1D666	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>		\mbfitsansq	mathematical sans-serif bold italic small q
U+1D667	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>		\mbfitsansr	mathematical sans-serif bold italic small r
U+1D668	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>		\mbfitsanss	mathematical sans-serif bold italic small s
U+1D669	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>		\mbfitsanst	mathematical sans-serif bold italic small t

USV	M	X	S	C	A	P	E	Macro	Description
U+1D66A	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>		<code>\mbfitsansu</code>	mathematical sans-serif bold italic small u
U+1D66B	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>		<code>\mbfitsansv</code>	mathematical sans-serif bold italic small v
U+1D66C	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>		<code>\mbfitsansw</code>	mathematical sans-serif bold italic small w
U+1D66D	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>		<code>\mbfitsansx</code>	mathematical sans-serif bold italic small x
U+1D66E	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>		<code>\mbfitsansy</code>	mathematical sans-serif bold italic small y
U+1D66F	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>		<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

### 13.2.17 Bold sans serif Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D756	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		<code>\mbfsansAlpha</code>	mathematical sans-serif bold capital alpha
U+1D757	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		<code>\mbfsansBeta</code>	mathematical sans-serif bold capital beta
U+1D758	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>		<code>\mbfsansGamma</code>	mathematical sans-serif bold capital gamma
U+1D759	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>		<code>\mbfsansDelta</code>	mathematical sans-serif bold capital delta
U+1D75A	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		<code>\mbfsansEpsilon</code>	mathematical sans-serif bold capital epsilon
U+1D75B	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		<code>\mbfsansZeta</code>	mathematical sans-serif bold capital zeta
U+1D75C	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>		<code>\mbfsansEta</code>	mathematical sans-serif bold capital eta
U+1D75D	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>		<code>\mbfsansTheta</code>	mathematical sans-serif bold capital theta
U+1D75E	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		<code>\mbfsansIota</code>	mathematical sans-serif bold capital iota
U+1D75F	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		<code>\mbfsansKappa</code>	mathematical sans-serif bold capital kappa
U+1D760	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>		<code>\mbfsansLambda</code>	mathematical sans-serif bold capital lambda
U+1D761	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		<code>\mbfsansMu</code>	mathematical sans-serif bold capital mu
U+1D762	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>		<code>\mbfsansNu</code>	mathematical sans-serif bold capital nu
U+1D763	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>		<code>\mbfsansXi</code>	mathematical sans-serif bold capital xi
U+1D764	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		<code>\mbfsansOmicron</code>	mathematical sans-serif bold capital omicron
U+1D765	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>		<code>\mbfsansPi</code>	mathematical sans-serif bold capital pi
U+1D766	<b>P</b>	<b>P</b>	<b>P</b>	<b>Θ</b>	<b>P</b>	<b>P</b>		<code>\mbfsansRho</code>	mathematical sans-serif bold capital rho
U+1D767	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>P</b>	<b>Θ</b>	<b>Θ</b>		<code>\mbfsansvarTheta</code>	mathematical sans-serif bold capital theta symbol
U+1D768	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>		<code>\mbfsansSigma</code>	mathematical sans-serif bold capital sigma
U+1D769	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>		<code>\mbfsansTau</code>	mathematical sans-serif bold capital tau
U+1D76A	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>		<code>\mbfsansUpsilon</code>	mathematical sans-serif bold capital upsilon
U+1D76B	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>		<code>\mbfsansPhi</code>	mathematical sans-serif bold capital phi
U+1D76C	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>		<code>\mbfsansChi</code>	mathematical sans-serif bold capital chi
U+1D76D	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>		<code>\mbfsansPsi</code>	mathematical sans-serif bold capital psi
U+1D76E	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>		<code>\mbfsansOmega</code>	mathematical sans-serif bold capital omega

### 13.2.18 Bold sans serif Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D770	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>		<code>\mbfsansalpha</code>	mathematical sans-serif bold small alpha
U+1D771	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>		<code>\mbfsansbeta</code>	mathematical sans-serif bold small beta
U+1D772	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>		<code>\mbfsansgamma</code>	mathematical sans-serif bold small gamma
U+1D773	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>		<code>\mbfsansdelta</code>	mathematical sans-serif bold small delta
U+1D774	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>		<code>\mbfsansepsilon</code>	mathematical sans-serif bold small epsilon
U+1D775	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>		<code>\mbfsanszeta</code>	mathematical sans-serif bold small zeta

USV	M	X	S	C	A	P	E	Macro	Description
U+1D776	η	η	η	η	η	η		\mbfsanseta	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ	θ	θ	θ		\mbfsanstheta	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι	ι	ι	ι		\mbfsansiota	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ	κ	κ	κ		\mbfsanskappa	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ	λ	λ	λ		\mbfsanslambda	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ	μ	μ	μ		\mbfsansmu	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν	ν	ν	ν		\mbfsansnu	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ	ξ	ξ	ξ		\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο	ο	ο	ο		\mbfsansomicron	mathematical sans-serif bold small omicron
U+1D77F	π	π	π	π	π	π		\mbfsanspi	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ	ρ	ρ	ρ		\mbfsansrho	mathematical sans-serif bold small rho
U+1D781	ς	ς	ς	ς	ς	ς		\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ	σ	σ	σ		\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ	τ	τ	τ		\mbfsanstau	mathematical sans-serif bold small tau
U+1D784	υ	υ	υ	υ	υ	υ		\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ	φ	φ	φ		\mbfsansphi	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ	χ	χ	χ		\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ	ψ	ψ	ψ		\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	ω	ω	ω	ω	ω	ω		\mbfsansomega	mathematical sans-serif bold small omega
U+1D789	∂	∂	∂	∂	∂	∂		\mbfsanspartial	mathematical sans-serif bold partial differential
U+1D78A	ε	ε	ε	ε	ε	ε		\mbfsansvarepsilon	mathematical sans-serif bold epsilon symbol
U+1D78B	θ	θ	θ	θ	θ	θ		\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	κ	κ	κ	κ	κ	κ		\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	φ	φ	φ	φ	φ	φ		\mbfsansvarphi	mathematical sans-serif bold phi symbol
U+1D78E	ρ	ρ	ρ	ρ	ρ	ρ		\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	ω	ω	ω	ω	ω	ω		\mbfsansvarpi	mathematical sans-serif bold pi symbol

### 13.2.19 Bold italic sans serif Greek, uppercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D790	Α	Α	Α	Α	Α	Α		\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
U+1D791	Β	Β	Β	Β	Β	Β		\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	Γ	Γ	Γ	Γ	Γ	Γ		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	Δ	Δ	Δ	Δ	Δ	Δ		\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	Ε	Ε	Ε	Ε	Ε	Ε		\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ		\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	Η	Η	Η	Η	Η	Η		\mbfitsansEta	mathematical sans-serif bold italic capital eta
U+1D797	Θ	Θ	Θ	Θ	Θ	Θ		\mbfitsansTheta	mathematical sans-serif bold italic capital theta
U+1D798	Ι	Ι	Ι	Ι	Ι	Ι		\mbfitsansIota	mathematical sans-serif bold italic capital iota
U+1D799	Κ	Κ	Κ	Κ	Κ	Κ		\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
U+1D79A	Λ	Λ	Λ	Λ	Λ	Λ		\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
U+1D79B	Μ	Μ	Μ	Μ	Μ	Μ		\mbfitsansMu	mathematical sans-serif bold italic capital mu
U+1D79C	Ν	Ν	Ν	Ν	Ν	Ν		\mbfitsansNu	mathematical sans-serif bold italic capital nu
U+1D79D	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ		\mbfitsansXi	mathematical sans-serif bold italic capital xi
U+1D79E	Ο	Ο	Ο	Ο	Ο	Ο		\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
U+1D79F	Π	Π	Π	Π	Π	Π		\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ		\mbfitsansRho	mathematical sans-serif bold italic capital rho

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7A1	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>		\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>		\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>		\mbfitsansTau	mathematical sans-serif bold italic capital tau
U+1D7A4	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>		\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>		\mbfitsansPhi	mathematical sans-serif bold italic capital phi
U+1D7A6	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>		\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>		\mbfitsansPsi	mathematical sans-serif bold italic capital psi
U+1D7A8	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>		\mbfitsansOmega	mathematical sans-serif bold italic capital omega

### 13.2.20 Bold italic sans serif Greek, lowercase

USV	M	X	S	C	A	P	E	Macro	Description
U+1D7AA	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>		\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>		\mbfitsansbeta	mathematical sans-serif bold italic small beta
U+1D7AC	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>		\mbfitsansgamma	mathematical sans-serif bold italic small gamma
U+1D7AD	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>		\mbfitsansdelta	mathematical sans-serif bold italic small delta
U+1D7AE	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>		\mbfitsansepsilon	mathematical sans-serif bold italic small epsilon
U+1D7AF	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>		\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>		\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>		\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>		\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>		\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>		\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>		\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>		\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>		\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>		\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>		\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>		\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>		\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>		\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>		\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>		\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>		\mbfitsansphi	mathematical sans-serif bold italic small phi
U+1D7C0	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>		\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>		\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>		\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>		\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>		\mbfitsansvarepsilon	mathematical sans-serif bold italic epsilon symbol
U+1D7C5	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>		\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>		\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>		\mbfitsansvarphi	mathematical sans-serif bold italic phi symbol
U+1D7C8	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>		\mbfitsansvarrho	mathematical sans-serif bold italic rho symbol
U+1D7C9	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>		\mbfitsansvarpi	mathematical sans-serif bold italic pi symbol

### 13.3 Miscellaneous

USV	M	X	S	C	A	P	E	Macro	Description
U+000F0	ð	ð	ð	ð	ð	ð		\matheth	eth
U+02102	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ		\BbbC	/bbb c, open face c
U+0210A		Ȣ	Ȣ	Ȣ	Ȣ	Ȣ		\mscrG	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mscrH	hamiltonian (script capital h)
U+0210C	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mfracH	/frac h, upper case h
U+0210D	H	H	H	H	H	H		\BbbH	/bbb h, open face h
U+0210F	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\hslash <sup>(a)</sup>	/hslash - variant planck's over 2pi
U+02110	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	ℐ	\mscrI	/scr i, script letter i
U+02111	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	\Im <sup>(p)</sup>	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	\mscrL	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	\ell <sup>(p)</sup>	cursive small l
U+02115	N	N	N	N	N	N		\BbbN	/bbb n, open face n
U+02118	℘	℘	℘	℘	℘	℘	℘	\wp <sup>(p)</sup>	weierstrass p
U+02119	P	P	P	P	P	P		\BbbP	/bbb p, open face p
U+0211A	Q	Q	Q	Q	Q	Q		\BbbQ	/bbb q, open face q
U+0211B	℞	℞	℞	℞	℞	℞	℞	\mscrR	/scr r, script letter r
U+0211C	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	\Re <sup>(p)</sup>	real part
U+0211D	R	R	R	R	R	R		\BbbR	/bbb r, open face r
U+02124	Z	Z	Z	Z	Z	Z		\BbbZ	/bbb z, open face z
U+02128	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	\mfracZ	/frac z, upper case z
U+02129		ι	ι	ι	ι			\turnediota	turned iota
U+0212B	Å	Å	Å	Å	Å	Å		\Angstrom	angstrom capital a, ring
U+0212C	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	\mscrB	bernoulli function (script capital b)
U+0212D	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	\mfracC	black-letter capital c
U+0212F		e	e	e	e	e		\mscre	/scr e, script letter e
U+02130	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ	\mscrE	/scr e, script letter e
U+02131	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	ℱ	\mscrF	/scr f, script letter f
U+02133	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	\mscrM	physics m-matrix (script capital m)
U+02134		o	o	o	o	o		\mscro	order of (script small o)
U+02135	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	\aleph <sup>(p)</sup>	aleph, hebrew
U+02136	ℶ	ℶ	ℶ	ℶ	ℶ	ℶ		\beth <sup>(a)</sup>	beth, hebrew
U+02137	ℷ	ℷ	ℷ	ℷ	ℷ	ℷ	ℷ	\gimel <sup>(a)</sup>	gimel, hebrew
U+02138	ℸ	ℸ	ℸ	ℸ	ℸ	ℸ	ℸ	\daleth <sup>(a)</sup>	daleth, hebrew
U+0213D	Ɑ	Ɑ	Ɑ	Ɑ	Ɑ	Ɑ		\Bbbgamma	double-struck small gamma
U+0213E	℄	℄	℄	℄	℄	℄		\BbbGamma	double-struck capital gamma
U+0213F	ℰ	ℰ	ℰ	ℰ	ℰ	ℰ		\BbbPi	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	∂	\partial <sup>(p)</sup>	partial differential
U+02207	∇	∇	∇	∇	∇	∇	∇	\nabla <sup>(p)</sup>	nabla, del, hamilton operator
U+1D6A4	Ⅎ	Ⅎ	Ⅎ	Ⅎ	Ⅎ	Ⅎ		\imath <sup>(p)</sup>	mathematical italic small dotless i
U+1D6A5	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ		\jmath <sup>(p)</sup>	mathematical italic small dotless j
U+1D6C1	∇	∇	∇	∇	∇	∇	∇	\mbfnabla	mathematical bold nabla
U+1D6FB	∇	∇	∇	∇	∇	∇		\mitnabla	mathematical italic nabla
U+1D735	∇	∇	∇	∇	∇	∇		\mbfitnabla	mathematical bold italic nabla
U+1D76F	∇	∇	∇	∇	∇	∇		\mbfsansnabla	mathematical sans-serif bold nabla
U+1D7A9	∇	∇	∇	∇	∇	∇		\mbfitsansnabla	mathematical sans-serif bold italic nabla
U+1D7CA		Ɔ		Ɔ	Ɔ			\mbfDigamma	mathematical bold capital digamma
U+1D7CB		Ɔ		Ɔ	Ɔ			\mbfDigamma	mathematical bold small digamma

usv	M	X	S	C	A	P	E	Macro	Description
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