

# 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. The following fonts are shown: (with approximate symbol counts)

- L [Latin Modern Math](#) (1585)
- X [XITS Math](#) (2429)
- S [STIX Math Two](#) (2430)
- P [TeX Gyre Pagella Math](#) (1638)
- D [DejaVu Math TeX Gyre](#) (1640)
- F [Fira Math](#) (1052)
- N [NCM Math](#) (2430)
- H [GFSNeohellenicMath](#) (1655)
- E [ErewhonMath](#) (1662)
- C [XCharterMath](#) (1640)
- R [ConcreteMath](#) (1637)

Symbols defined in Plain  $\TeX$  are indicated with <sup>(p)</sup> after their macro name.  $\LaTeX$  follows Plain  $\TeX$ , but defines a handful more, indicated with <sup>(l)</sup>. Symbols defined in `amssymb` are indicated with <sup>(a)</sup>.

Note that this list of fonts is not intended to be exhaustive but I am happy to add new fonts by request if they are distributed in  $\TeX$  Live.<sup>1</sup>

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<sup>1</sup>Only a single `TeX Gyre Math` font is shown here by design as they all largely have the same symbol coverage.

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# 1 Opening symbols, \mathopen

USV	L	X	S	P	D	F	N	H	E	C	R	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	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	\cuberoot	cube root
U+0221C	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	\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	L X S P D F N H E C R	Macro	Description
U+00021	!	<code>\mathexclam</code>	exclamation mark
U+00029	)	<code>\rparen</code>	right parenthesis
U+0005D	]	<code>\rbrack</code>	right square bracket
U+0007D	}	<code>\rbrace<sup>(P)</sup></code>	right curly bracket
U+02309	⌈	<code>\rceil<sup>(P)</sup></code>	right ceiling
U+0230B	⌋	<code>\rfloor<sup>(P)</sup></code>	right floor
U+0231D	⤴	<code>\urcorner</code>	upper right corner
U+0231F	⤵	<code>\lrcorner</code>	lower right corner
U+023B1	⌋	<code>\rmoustache<sup>(P)</sup></code>	upper right or lower left curly bracket section
U+02773	)	<code>\rbrbrak</code>	light right tortoise shell bracket ornament
U+027C6	⌋	<code>\rbag</code>	right s-shaped bag delimiter
U+027E7	⌋	<code>\rBrack</code>	mathematical right white square bracket
U+027E9	⌋	<code>\rangle<sup>(P)</sup></code>	mathematical right angle bracket
U+027EB	⌋	<code>\rAngle</code>	mathematical right double angle bracket
U+027ED	⌋	<code>\Rbrbrak</code>	mathematical right white tortoise shell bracket
U+027EF	)	<code>\rgroup<sup>(P)</sup></code>	mathematical right flattened parenthesis
U+02984	⌋	<code>\rBrace</code>	right white curly bracket
U+02986	)	<code>\rParen</code>	right white parenthesis
U+02988	⌋	<code>\rrparenthesis</code>	z notation right image bracket
U+0298A	⌋	<code>\rrangle</code>	z notation right binding bracket
U+0298C	⌋	<code>\rbrackubar</code>	right square bracket with underbar
U+0298E	⌋	<code>\rbracklrtick</code>	right square bracket with tick in bottom corner
U+02990	⌋	<code>\rbrackurtick</code>	right square bracket with tick in top corner
U+02992	⌋	<code>\rangledot</code>	right angle bracket with dot
U+02994	⌋	<code>\rparengtr</code>	right arc greater-than bracket
U+02996	⌋	<code>\Rparenless</code>	double right arc less-than bracket
U+02998	)	<code>\rblkbrbrak</code>	right black tortoise shell bracket
U+029D9	⌋	<code>\rvzigzag</code>	right wiggly fence
U+029DB	⌋	<code>\Rvzigzag</code>	right double wiggly fence
U+029FD	⌋	<code>\rcurvyangle</code>	right pointing curved angle bracket

### 3 Fence symbols, `\mathfence`

USV	LXSPDFNHECR	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	LXSPDFNHECR	Macro	Description
U+0002C	,	<code>\mathcomma</code>	comma
U+0003A	:	<code>\mathcolon</code>	colon
U+0003B	;	<code>\mathsemicolon</code>	semicolon p:

### 5 ‘Over’ symbols, `\mathover`

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

### 6 ‘Under’ symbols, `\mathunder`

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+023B5	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbracket</code>	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	<code>\underparen</code>	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<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	LXSPDFNHECR	Macro	Description
U+00300	$\grave{x}$	<code>\grave{x}</code> <sup>(p)</sup>	grave accent
U+00301	$\acute{x}$	<code>\acute{x}</code> <sup>(p)</sup>	acute accent
U+00302	$\hat{x}$	<code>\hat{x}</code> <sup>(p)</sup>	circumflex accent
U+00303	$\tilde{x}$	<code>\tilde{x}</code> <sup>(p)</sup>	tilde
U+00304	$\bar{x}$	<code>\bar{x}</code> <sup>(p)</sup>	macron
U+00305	$\overline{x}$	<code>\overline{x}</code>	overbar embellishment
U+00306	$\breve{x}$	<code>\breve{x}</code> <sup>(p)</sup>	breve
U+00307	$\dot{x}$	<code>\dot{x}</code> <sup>(p)</sup>	dot above
U+00308	$\ddot{x}$	<code>\ddot{x}</code> <sup>(p)</sup>	dieresis
U+00309	$\overset{\circ}{x}$	<code>\overset{\circ}{x}</code>	combining hook above
U+0030A	$\ring{x}$	<code>\ring{x}</code>	ring
U+0030C	$\check{x}$	<code>\check{x}</code> <sup>(p)</sup>	caron
U+00310	$\candra$	<code>\candra</code>	candrabindu (non-spacing)
U+00312	$\overset{\circ}{,}$	<code>\oturnedcomma</code>	combining turned comma above
U+00315	$\overset{\circ}{,}$	<code>\ocommatopright</code>	combining comma above right
U+0031A	$\overset{\circ}{\angle}$	<code>\droang</code>	left angle above (non-spacing)
U+020D0	$\lefttharpoonup$	<code>\lefttharpoonupaccent</code>	combining left harpoon above
U+020D1	$\rightarrowtharpoonup$	<code>\rightarrowtharpoonupaccent</code>	combining right harpoon above
U+020D2	$\overline{\overline{x}}$	<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	$\overrightarrow{x}$	<code>\vec{x}</code> <sup>(p)</sup>	combining right arrow above
U+020DB	$\overdot{\overdot{x}}$	<code>\dddots</code>	combining three dots above
U+020DC	$\overdot{\overdot{\overdot{x}}}$	<code>\ddddots</code>	combining four dots above
U+020E7	$\overline{\overline{x}}$	<code>\annuity</code>	combining annuity symbol
U+020E9	$\overline{\overline{\overline{x}}}$	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overline{\overline{\overline{x}}}$	<code>\asteraccent</code>	combining asterisk above

## 8 Bottom accents, \mathbotaccent

usv	LXSPDFNHECR	Macro	Description
U+020E8	$\overline{\overline{\overline{x}}}$	<code>\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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02140	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Upsilon}}$	$\overset{1}{\underset{0}{\Phi}}$	$\overset{1}{\underset{0}{\Omega}}$	$\overset{1}{\underset{0}{\Psi}}$	$\overset{1}{\underset{0}{\Lambda}}$		$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Sigma}}$	<code>\Bbbsum</code>	double-struck n-ary summation
U+0220F	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Upsilon}}$	$\overset{1}{\underset{0}{\Phi}}$	$\overset{1}{\underset{0}{\Omega}}$	$\overset{1}{\underset{0}{\Psi}}$	$\overset{1}{\underset{0}{\Lambda}}$	$\overset{1}{\underset{0}{\sqcap}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\prod}}$	<code>\prod<sup>(p)</sup></code>	product operator
U+02210	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Upsilon}}$	$\overset{1}{\underset{0}{\Phi}}$	$\overset{1}{\underset{0}{\Omega}}$	$\overset{1}{\underset{0}{\Psi}}$	$\overset{1}{\underset{0}{\Lambda}}$	$\overset{1}{\underset{0}{\sqcup}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\sqcup}}$	<code>\coprod<sup>(p)</sup></code>	coproduct operator
U+02211	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Upsilon}}$	$\overset{1}{\underset{0}{\Phi}}$	$\overset{1}{\underset{0}{\Omega}}$	$\overset{1}{\underset{0}{\Psi}}$	$\overset{1}{\underset{0}{\Lambda}}$	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\Sigma}}$	<code>\sum<sup>(p)</sup></code>	summation operator
U+0222B	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	<code>\int<sup>(p)</sup></code>	integral operator
U+0222C	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	<code>\iint</code>	double integral operator
U+0222D	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	<code>\iiint</code>	triple integral operator
U+0222E	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	<code>\oint<sup>(p)</sup></code>	contour integral operator
U+0222F	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	<code>\oiint</code>	double contour integral operator
U+02230	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	<code>\oiiint</code>	triple contour integral operator
U+02231	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$		$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	<code>\intclockwise</code>	clockwise integral
U+02232	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$		$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	<code>\varointclockwise</code>	contour integral, clockwise
U+02233	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$		$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	<code>\ointctrackwise</code>	contour integral, anticlockwise
U+022C0	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$		$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	<code>\bigwedge<sup>(p)</sup></code>	logical and operator
U+022C1	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$		$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	<code>\bigvee<sup>(p)</sup></code>	logical or operator
U+022C2	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$		$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$	$\overset{1}{\underset{0}{\bigcap}}$	<code>\bigcap<sup>(p)</sup></code>	intersection operator
U+022C3	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\Xi}}$	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$		$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$	$\overset{1}{\underset{0}{\bigcup}}$	<code>\bigcup<sup>(p)</sup></code>	union operator
U+027D5		$\overset{1}{\underset{0}{\bowtie}}$	$\overset{1}{\underset{0}{\bowtie}}$				$\overset{1}{\underset{0}{\bowtie}}$	$\overset{1}{\underset{0}{\bowtie}}$				<code>\leftouterjoin</code>	left outer join



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\bigcupplus<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
U+02A0A												<code>\modtwosum</code>	modulo two sum
U+02A0B												<code>\sumint</code>	summation with integral
U+02A0C												<code>\iiint</code>	quadruple integral operator

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A0D								$f_0^1$				<code>\intbar</code>	finite part integral
U+02A0E								$f_0^1$				<code>\intBar</code>	integral with double stroke
U+02A0F								$f_0^1$				<code>\fint</code>	integral average with slash
U+02A10								$f_0^1$				<code>\cirfnint</code>	circulation function
U+02A11								$f_0^1$				<code>\awint</code>	anticlockwise integration
U+02A12								$f_0^1$				<code>\rppoint</code>	line integration with rectangular path around pole
U+02A13								$f_0^1$				<code>\scpolint</code>	line integration with semicircular path around pole
U+02A14								$f_0^1$				<code>\npolint</code>	line integration not including the pole
U+02A15								$f_0^1$				<code>\pointint</code>	integral around a point operator
U+02A16								$f_0^1$				<code>\sqint</code>	quaternion integral operator
U+02A17								$f_0^1$				<code>\intlarhk</code>	integral with leftwards arrow with hook
U+02A18								$f_0^1$				<code>\intx</code>	integral with times sign
U+02A19								$f_0^1$				<code>\intcap</code>	integral with intersection
U+02A1A								$f_0^1$				<code>\intcup</code>	integral with union
U+02A1B								$f_0^1$				<code>\upint</code>	integral with overbar
U+02A1C								$f_0^1$				<code>\lowint</code>	integral with underbar
U+02A1D								$f_0^1$				<code>\Join</code>	join
U+02A1E								$f_0^1$				<code>\bigtriangleleft</code>	large left triangle operator
U+02A1F								$f_0^1$				<code>\zcmp</code>	z notation schema composition
U+02A20								$f_0^1$				<code>\zpipe</code>	z notation schema piping
U+02A21								$f_0^1$				<code>\zproject</code>	z notation schema projection

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02AFC												<code>\biginterleave</code>	large triple vertical bar operator
U+02AFF												<code>\bigtalloblong</code>	n-ary white vertical bar
U+1EEFO												<code>\arabicmaj</code>	arabic mathematical operator meem with hah with tatweel
U+1EEF1												<code>\arabicchad</code>	arabic mathematical operator hah with dal

## 10 Binary relations, `\mathbin`

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0002B												<code>\mathplus</code>	plus sign b:
U+000B1												<code>\pm<sup>(p)</sup></code>	plus-or-minus sign
U+000B7												<code>\cdotp<sup>(p)</sup></code>	/centerdot b: middle dot
U+000D7												<code>\times<sup>(p)</sup></code>	multiply sign
U+000F7												<code>\div<sup>(p)</sup></code>	divide sign
U+02020												<code>\dagger<sup>(p)</sup></code>	dagger relation
U+02021												<code>\ddagger<sup>(p)</sup></code>	double dagger relation
U+02022												<code>\smbkcircle</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<sup>(p)</sup></code>	minus-or-plus sign
U+02214												<code>\dotplus<sup>(a)</sup></code>	plus sign, dot above
U+02215												<code>\divslash</code>	division slash
U+02216												<code>\setminus<sup>(p)</sup></code>	set minus (cf. reverse solidus)
U+02217												<code>\ast<sup>(p)</sup></code>	centered asterisk
U+02218												<code>\vysmwhtcircle</code>	composite function (small circle)
U+02219												<code>\vysmbkcircle</code>	bullet operator
U+02227												<code>\wedge<sup>(p)</sup></code>	/wedge /land b: logical and
U+02228												<code>\vee<sup>(p)</sup></code>	/vee /lor b: logical or
U+02229												<code>\cap<sup>(p)</sup></code>	intersection
U+0222A												<code>\cup<sup>(p)</sup></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<sup>(p)</sup></code>	wreath product
U+0228C												<code>\cupleftarrow</code>	multiset
U+0228D												<code>\cupdot</code>	union, with dot
U+0228E												<code>\uplus<sup>(p)</sup></code>	plus sign in union
U+02293												<code>\sqcap<sup>(p)</sup></code>	square intersection

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02294	⊍	⊍	⊍	⊍	⊍	⊍	⊍	⊍	⊍	⊍	⊍	<code>\sqcup<sup>(p)</sup></code>	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	<code>\oplus<sup>(p)</sup></code>	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	<code>\ominus<sup>(p)</sup></code>	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	<code>\otimes<sup>(p)</sup></code>	multiply sign in circle
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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+027E2	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	<code>\conccavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	<code>\conccavediamondtickright</code>	white concave-sided diamond with rightwards tick
U+027E4	◻	◻						◻	◻			<code>\whitesquaretickleft</code>	white square with leftwards tick
U+027E5	◻	◻						◻	◻			<code>\whitesquaretickright</code>	white square with rightwards tick
U+029B5	⊖	⊖						⊖	⊖			<code>\circlehbar</code>	circle with horizontal bar
U+029B6	⊗	⊗						⊗	⊗			<code>\circledvert</code>	circled vertical bar
U+029B7	⊕	⊕						⊕	⊕			<code>\circledparallel</code>	circled parallel
U+029B8	⊘	⊘						⊘	⊘			<code>\obslash</code>	circled reverse solidus
U+029B9	⊥	⊥						⊥	⊥			<code>\operp</code>	circled perpendicular
U+029C0	⊗	⊗						⊗	⊗			<code>\olessthan</code>	circled less-than
U+029C1	⊗	⊗						⊗	⊗			<code>\ogreaterthan</code>	circled greater-than
U+029C4	⊠	⊠						⊠	⊠			<code>\boxdiag</code>	squared rising diagonal slash
U+029C5	⊡	⊡						⊡	⊡			<code>\boxbslash</code>	squared falling diagonal slash
U+029C6	⊛	⊛						⊛	⊛			<code>\boxast</code>	squared asterisk
U+029C7	⊜	⊜						⊜	⊜			<code>\boxcircle</code>	squared small circle
U+029C8	⊝	⊝						⊝	⊝			<code>\boxbox</code>	squared square
U+029CD	⏏	⏏						⏏	⏏			<code>\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>\mdlblklozenge</code>	black lozenge
U+029F5	↖	↖						↖	↖	↖	↖	<code>\reversesolidus</code>	reverse solidus
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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A32												<code>\btimes</code>	semidirect product with bottom closed
U+02A33												<code>\smashtimes</code>	smash product
U+02A34												<code>\otimesslhrim</code>	multiplication sign in left half circle
U+02A35												<code>\otimesrhrim</code>	multiplication sign in right half circle
U+02A36												<code>\otimesshat</code>	circled multiplication sign with circumflex accent
U+02A37												<code>\Otimes</code>	multiplication sign in double circle
U+02A38												<code>\odiv</code>	circled division sign
U+02A39												<code>\triangleplus</code>	plus sign in triangle
U+02A3A												<code>\triangleminus</code>	minus sign in triangle
U+02A3B												<code>\triangletimes</code>	multiplication sign in triangle
U+02A3C												<code>\intprod</code>	interior product
U+02A3D												<code>\intprodr</code>	righthand interior product
U+02A3E												<code>\fcmp</code>	z notation relational composition
U+02A3F												<code>\amalg<sup>(p)</sup></code>	amalgamation or coproduct
U+02A40												<code>\capdot</code>	intersection with dot
U+02A41												<code>\uminus</code>	union with minus sign
U+02A42												<code>\barcup</code>	union with overbar
U+02A43												<code>\barcap</code>	intersection with overbar
U+02A44												<code>\capwedge</code>	intersection with logical and
U+02A45												<code>\cupvee</code>	union with logical or
U+02A46												<code>\cupovercap</code>	union above intersection
U+02A47												<code>\capovercup</code>	intersection above union
U+02A48												<code>\cupbarcap</code>	union above bar above intersection
U+02A49												<code>\capbarcup</code>	intersection above bar above union
U+02A4A												<code>\twocups</code>	union beside and joined with union
U+02A4B												<code>\twocaps</code>	intersection beside and joined with intersection
U+02A4C												<code>\closedvarcup</code>	closed union with serifs
U+02A4D												<code>\closedvarcap</code>	closed intersection with serifs
U+02A4E												<code>\Sqcap</code>	double square intersection
U+02A4F												<code>\Sqcup</code>	double square union
U+02A50												<code>\closedvarcupsmashprod</code>	closed union with serifs and smash product
U+02A51												<code>\wedgeodot</code>	logical and with dot above
U+02A52												<code>\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>\wedgeonwedge</code>	two intersecting logical and
U+02A56												<code>\veeonvee</code>	two intersecting logical or
U+02A57												<code>\bigslodvee</code>	sloping large or
U+02A58												<code>\bigslodwedge</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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\wedgebar</code>	logical and with underbar
U+02A60												<code>\wedgedoublebar</code>	logical and with double underbar
U+02A61												<code>\varveebar</code>	small vee with underbar
U+02A62												<code>\doublebarvee</code>	logical or with double overbar
U+02A63												<code>\veedoublebar</code>	logical or with double underbar
U+02A64												<code>\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	L	X	S	P	D	F	N	H	E	C	R	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+000A7	§	§	§	§	§	§	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬	\neg <sup>(p)</sup>	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	¶	¶	¶	¶	¶	¶	\mathparagraph	paragraph symbol
U+001B5		Z	Z				Z		Z	Z	Z	\Zbar	impedance (latin capital letter z with stroke)
U+003F6		ε	ε			ε	ε	ε	ε	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	ℰ	ℰ	ℰ	ℰ	\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		ƒ	ƒ				ƒ	ƒ	ƒ	ƒ	ƒ	\Finv <sup>(a)</sup>	turned capital f
U+0213C	π	π	π	π	π	π	π	π	π	π	π	\Bbbpi	double-struck small pi



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02141		ᵒ	ᵒ				ᵒ	ᵒ	ᵒ	ᵒ	ᵒ	\Game <sup>(a)</sup>	turned sans-serif capital g
U+02142		l	l				l					\sansLturned	turned sans-serif capital l
U+02143		J	J				J					\sansLmirrored	reversed sans-serif capital l
U+02144		ʎ	ʎ				ʎ					\Yup	turned sans-serif capital y
U+02145	D	D	D	D	D		D		D			\mitBbbD	double-struck italic capital d
U+02146	d	d	d	d	d		d		d			\mitBbbd	double-struck italic small d
U+02147	e	e	e	e	e		e		e			\mitBbbe	double-struck italic small e
U+02148	i	i	i	i	i		i		i			\mitBbbi	double-struck italic small i
U+02149	j	j	j	j	j		j		j			\mitBbbj	double-struck italic small j
U+0214A		ℓ	ℓ				ℓ					\PropertyLine	property line
U+021A8		↕	↕			↕	↕	↕				\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↴	↴	↴	↴	↴	↴	↴	↴	↴	↴	↴	\linefeed	rightwards arrow with corner downwards
U+021B5	↵	↵	↵	↵	↵	↵	↵	↵	↵	↵	↵	\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8	↶	↶				↶	↶	↶				\barovernorthwestarrow	north west arrow to long bar
U+021B9	↷	↷				↷	↷	↷				\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	\cwopencirclearrow	clockwise open circle arrow
U+021DE		⇄	⇄			⇄	⇄	⇄				\nHuparrow	upwards arrow with double stroke
U+021DF		⇄	⇄			⇄	⇄	⇄				\nHdownarrow	downwards arrow with double stroke
U+021E0	⇐	⇐				⇐	⇐	⇐	⇐	⇐	⇐	\leftdasharrow	leftwards dashed arrow
U+021E1	⇑	⇑				⇑	⇑	⇑	⇑	⇑	⇑	\updasharrow	upwards dashed arrow
U+021E2	⇨	⇨				⇨	⇨	⇨	⇨	⇨	⇨	\rightdasharrow	rightwards dashed arrow
U+021E3	⇩	⇩				⇩	⇩	⇩	⇩	⇩	⇩	\downdasharrow	downwards dashed arrow
U+021E6	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	\leftwhitearrow	leftwards white arrow
U+021E7	⇑	⇑	⇑	⇑	⇑	⇑	⇑	⇑	⇑	⇑	⇑	\upwhitearrow	upwards white arrow
U+021E8	⇨	⇨	⇨	⇨	⇨	⇨	⇨	⇨	⇨	⇨	⇨	\rightwhitearrow	rightwards white arrow
U+021E9	⇩	⇩	⇩	⇩	⇩	⇩	⇩	⇩	⇩	⇩	⇩	\downwhitearrow	downwards white arrow
U+021EA		⇑	⇑			⇑	⇑	⇑				\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	∀	∀	∀	∀	\forall <sup>(p)</sup>	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	∁	∁	∁	∁	\complement <sup>(a)</sup>	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	∃	∃	∃	∃	\exists <sup>(p)</sup>	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	∄	∄	∄	∄	\nexists <sup>(a)</sup>	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	\varnothing <sup>(a)</sup>	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\increment	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	■	■	■	■	■	■	\QED	end of proof
U+0221A	√	√	√	√	√	√	√	√	√	√	√	\surd <sup>(p)</sup>	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	\infty <sup>(p)</sup>	infinity
U+0221F	∟	∟	∟	∟	∟	∟	∟	∟	∟	∟	∟	\rightangle	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\angle <sup>(p)</sup>	angle
U+02221	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\measuredangle <sup>(a)</sup>	angle-measured
U+02222	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\sphericalangle <sup>(a)</sup>	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴	∴	∴	∴	∴	∴	\therefore <sup>(a)</sup>	therefore
U+02235	∵	∵	∵	∵	∵	∵	∵	∵	∵	∵	∵	\because <sup>(a)</sup>	because
U+0223F	∿	∿	∿	∿	∿		∿	∿	∿	∿	∿	\sinewave	sine wave
U+022A4	⤴	⤴	⤴	⤴	⤴		⤴	⤴	⤴	⤴	⤴	\top <sup>(p)</sup>	top

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+022A5	⏟	⏟	⏟	⏟	⏟		⏟	⏟	⏟	⏟	⏟	<code>\bot<sup>(p)</sup></code>	bottom
U+022B9	⋆	⋆	⋆	⋆	⋆		⋆	⋆	⋆	⋆	⋆	<code>\hermitmatrix</code>	hermitian conjugate matrix
U+022BE	⊳	⊳	⊳	⊳	⊳		⊳	⊳	⊳	⊳	⊳	<code>\measuredrightangle</code>	right angle-measured [with arc]
U+022BF	⊲	⊲	⊲	⊲	⊲		⊲	⊲	⊲	⊲	⊲	<code>\varltriangleright</code>	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	<code>\unicodcdots</code>	three dots, centered
U+02300	⌀	⌀	⌀	⌀	⌀		⌀	⌀	⌀	⌀	⌀	<code>\diameter</code>	diameter sign
U+02302	⏏	⏏					⏏	⏏				<code>\house</code>	house
U+02310	⌞	⌞	⌞	⌞	⌞		⌞	⌞	⌞	⌞	⌞	<code>\invnot</code>	reverse not
U+02311	⏊	⏊					⏊					<code>\sqlozenge</code>	square lozenge
U+02312	⏏	⏏					⏏					<code>\profline</code>	profile of a line
U+02313	⏏	⏏					⏏					<code>\profsurf</code>	profile of a surface
U+02317	⏏	⏏					⏏					<code>\viewdata</code>	viewdata square
U+02319	⌞	⌞	⌞	⌞	⌞		⌞	⌞	⌞	⌞	⌞	<code>\turnednot</code>	turned not sign
U+02320	∫	∫	∫	∫	∫		∫	∫	∫	∫	∫	<code>\inttop</code>	top half integral
U+02321	∫	∫	∫	∫	∫		∫	∫	∫	∫	∫	<code>\intbottom</code>	bottom half integral
U+0232C	⏏	⏏					⏏					<code>\varhexagonlrbonds</code>	six carbon ring, corner down, double bonds lower right etc
U+02332	⏏	⏏					⏏					<code>\conictaper</code>	conical taper
U+02336	⏏	⏏					⏏					<code>\topbot</code>	top and bottom
U+02340	⏏	⏏					⏏					<code>\APLnotbackslash</code>	apl functional symbol backslash bar
U+02353	⏏	⏏					⏏					<code>\APLboxupcaret</code>	boxed up caret
U+02370	⏏	⏏					⏏					<code>\APLboxquestion</code>	boxed question mark
U+0237C	⏏	⏏					⏏					<code>\rangledownzigzagarrow</code>	right angle with downwards zigzag arrow
U+02394	⏏	⏏					⏏					<code>\hexagon</code>	horizontal benzene ring [hexagon flat open]
U+0239B	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lparenend</code>	left parenthesis upper hook
U+0239C	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lparenextender</code>	left parenthesis extension
U+0239D	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lparenend</code>	left parenthesis lower hook
U+0239E	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\rparenend</code>	right parenthesis upper hook
U+0239F	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\rparenextender</code>	right parenthesis extension
U+023A0	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\rparenend</code>	right parenthesis lower hook
U+023A1	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lbrackend</code>	left square bracket upper corner
U+023A2	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lbrackextender</code>	left square bracket extension
U+023A3	⎵	⎵	⎵	⎵	⎵		⎵	⎵	⎵	⎵	⎵	<code>\lbrackend</code>	left square bracket lower corner

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+023A4												<code>\rbrackuend</code>	right square bracket upper corner
U+023A5												<code>\rbrackextender</code>	right square bracket extension
U+023A6												<code>\rbracklend</code>	right square bracket lower corner
U+023A7												<code>\lbraceuend</code>	left curly bracket upper hook
U+023A8												<code>\lbracemid</code>	left curly bracket middle piece
U+023A9												<code>\lbracelend</code>	left curly bracket lower hook
U+023AA												<code>\vbraceextender</code>	curly bracket extension
U+023AB												<code>\rbraceuend</code>	right curly bracket upper hook
U+023AC												<code>\rbracemid</code>	right curly bracket middle piece
U+023AD												<code>\rbracelend</code>	right curly bracket lower hook
U+023AE												<code>\intextender</code>	integral extension
U+023AF												<code>\harrowextender</code>	horizontal line extension (used to extend arrows)
U+023B2												<code>\sumtop</code>	summation top
U+023B3												<code>\sumbottom</code>	summation bottom
U+023B6												<code>\bbrktbrk</code>	bottom square bracket over top square bracket
U+023B7												<code>\sqrtbottom</code>	radical symbol bottom
U+023B8												<code>\lvboxline</code>	left vertical box line
U+023B9												<code>\rvboxline</code>	right vertical box line
U+023CE												<code>\varcarriagereturn</code>	return symbol
U+023E0												<code>\obrbrak</code>	top tortoise shell bracket (mathematical use)
U+023E1												<code>\ubrbrak</code>	bottom tortoise shell bracket (mathematical use)
U+023E2												<code>\trapezium</code>	white trapezium
U+023E3												<code>\benzenr</code>	benzene ring with circle
U+023E4												<code>\strns</code>	straightness
U+023E5												<code>\fltns</code>	flatness
U+023E6												<code>\accurent</code>	ac current
U+023E7												<code>\elinters</code>	electrical intersection
U+02422												<code>\blanksymbol</code>	blank symbol
U+02423												<code>\mathvisiblespace</code>	open box
U+02506												<code>\bdtriplevdash</code>	doubly broken vert
U+02580												<code>\blockuphalf</code>	upper half block
U+02584												<code>\blocklowhalf</code>	lower half block
U+02588												<code>\blockfull</code>	full block

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0258C												<code>\blocklefthalf</code>	left half block
U+02590												<code>\blockrighthalf</code>	right half block
U+02591												<code>\blockqtrshaded</code>	25% shaded block
U+02592												<code>\blockhalfshaded</code>	50% shaded block
U+02593												<code>\blockthreeqtrshaded</code>	75% shaded block
U+025A0												<code>\mdlgblksquare</code>	square, filled
U+025A1												<code>\mdlgwhtsquare</code>	square, open
U+025A2												<code>\squoval</code>	white square with rounded corners
U+025A3												<code>\blackinwhitesquare</code>	white square containing black small square
U+025A4												<code>\squarehfill</code>	square, horizontal rule filled
U+025A5												<code>\squarevfill</code>	square, vertical rule filled
U+025A6												<code>\squarehvfill</code>	square with orthogonal crosshatch fill
U+025A7												<code>\squarenwsefill</code>	square, nw-to-se rule filled
U+025A8												<code>\squareneswfill</code>	square, ne-to-sw rule filled
U+025A9												<code>\squarecrossfill</code>	square with diagonal crosshatch fill
U+025AA												<code>\smbllksquare</code>	/blacksquare - sq bullet, filled
U+025AB												<code>\smwhtsquare</code>	white small square
U+025AC												<code>\hrectangleblack</code>	black rectangle
U+025AD												<code>\hrectangle</code>	horizontal rectangle, open
U+025AE												<code>\vrectangleblack</code>	black vertical rectangle
U+025AF												<code>\vrectangle</code>	rectangle, white (vertical)
U+025B0												<code>\parallelogramblack</code>	black parallelogram
U+025B1												<code>\parallelogram</code>	parallelogram, open
U+025B2												<code>\bigblacktriangleup</code>	black up-pointing triangle
U+025B4												<code>\blacktriangle<sup>(a)</sup></code>	up triangle, filled
U+025B6												<code>\blacktriangleright<sup>(a)</sup></code>	(large) right triangle, filled
U+025B8												<code>\smallblacktriangleright</code>	right triangle, filled
U+025B9												<code>\smalltriangleright</code>	right triangle, open
U+025BA												<code>\blackpointerright</code>	black right-pointing pointer
U+025BB												<code>\whitepointerright</code>	white right-pointing pointer
U+025BC												<code>\bigblacktriangledown</code>	big down triangle, filled
U+025BD												<code>\bigtriangledown<sup>(p)</sup></code>	big down triangle, open
U+025BE												<code>\blacktriangledown<sup>(a)</sup></code>	down triangle, filled
U+025BF												<code>\triangledown<sup>(a)</sup></code>	down triangle, open
U+025C0												<code>\blacktriangleleft<sup>(a)</sup></code>	(large) left triangle, filled
U+025C2												<code>\smallblacktriangleleft</code>	left triangle, filled
U+025C3												<code>\smalltriangleleft</code>	left triangle, open
U+025C4												<code>\blackpointerleft</code>	black left-pointing pointer
U+025C5												<code>\whitepointerleft</code>	white left-pointing pointer
U+025C6												<code>\mdlgblkdiamond</code>	black diamond
U+025C7												<code>\mdlgwhtdiamond</code>	white diamond; diamond, open
U+025C8												<code>\blackinwhitediamond</code>	white diamond containing black small diamond
U+025C9												<code>\fisheye</code>	fisheye
U+025CA												<code>\mdlgwhtlozenge</code>	lozenge or total mark
U+025CC												<code>\dottedcircle</code>	dotted circle
U+025CD												<code>\circlevertfill</code>	circle with vertical fill

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+025CE												<code>\bullseye</code>	bullseye
U+025CF												<code>\mdlgblkcircle</code>	circle, filled
U+025D0												<code>\circlelefthalfblack</code>	circle, filled left half [harvey ball]
U+025D1												<code>\circclerighthalfblack</code>	circle, filled right half
U+025D2												<code>\circlebottomhalfblack</code>	circle, filled bottom half
U+025D3												<code>\circletophalfblack</code>	circle, filled top half
U+025D4												<code>\circleurquadblack</code>	circle with upper right quadrant black
U+025D5												<code>\blackcircleulquadwhite</code>	circle with all but upper left quadrant black
U+025D6												<code>\blacklefthalfcircle</code>	left half black circle
U+025D7												<code>\blackrighthalfcircle</code>	right half black circle
U+025D8												<code>\inversebullet</code>	inverse bullet
U+025D9												<code>\inversewhitecircle</code>	inverse white circle
U+025DA												<code>\invwhiteupperhalfcircle</code>	upper half inverse white circle
U+025DB												<code>\invwhitelowerhalfcircle</code>	lower half inverse white circle
U+025DC												<code>\ularc</code>	upper left quadrant circular arc
U+025DD												<code>\urarc</code>	upper right quadrant circular arc
U+025DE												<code>\lrarc</code>	lower right quadrant circular arc
U+025DF												<code>\llarc</code>	lower left quadrant circular arc
U+025E0												<code>\topsemicircle</code>	upper half circle
U+025E1												<code>\botsemicircle</code>	lower half circle
U+025E2												<code>\lrbblacktriangle</code>	lower right triangle, filled
U+025E3												<code>\llbblacktriangle</code>	lower left triangle, filled
U+025E4												<code>\ulbblacktriangle</code>	upper left triangle, filled
U+025E5												<code>\urbblacktriangle</code>	upper right triangle, filled
U+025E6												<code>\smwhtcircle</code>	white bullet
U+025E7												<code>\squareleftblack</code>	square, filled left half
U+025E8												<code>\squarerightblack</code>	square, filled right half
U+025E9												<code>\squareulblack</code>	square, filled top left corner
U+025EA												<code>\squarelrblack</code>	square, filled bottom right corner
U+025EC												<code>\triangleldot</code>	triangle with centered dot
U+025ED												<code>\triangleleftblack</code>	up-pointing triangle with left half black
U+025EE												<code>\trianglerightblack</code>	up-pointing triangle with right half black
U+025EF												<code>\lgwhtcircle</code>	large circle
U+025F0												<code>\squareulquad</code>	white square with upper left quadrant
U+025F1												<code>\squarellquad</code>	white square with lower left quadrant
U+025F2												<code>\squarelrquad</code>	white square with lower right quadrant
U+025F3												<code>\squareurquad</code>	white square with upper right quadrant
U+025F4												<code>\circleulquad</code>	white circle with upper left quadrant
U+025F5												<code>\circlellquad</code>	white circle with lower left quadrant
U+025F6												<code>\circlelrquad</code>	white circle with lower right quadrant

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\mdblksquare</code>	black medium square
U+025FD												<code>\msmwhtsquare</code>	white medium small square
U+025FE												<code>\msmblksquare</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
U+02683												<code>\diceiv</code>	die face-4
U+02684												<code>\dicev</code>	die face-5
U+02685												<code>\dicevi</code>	die face-6
U+02686												<code>\circledrightdot</code>	white circle with dot right
U+02687												<code>\circledtwodots</code>	white circle with two dots
U+02688												<code>\blackcircledrightdot</code>	black circle with white dot right
U+02689												<code>\blackcircledtwodots</code>	black circle with two white dots
U+026A5												<code>\Hermaphrodite</code>	male and female sign
U+026AA												<code>\mdwhtcircle</code>	medium white circle
U+026AB												<code>\mdblkcircle</code>	medium black circle
U+026AC												<code>\msmwhtcircle</code>	medium small white circle
U+026B2												<code>\neuter</code>	neuter

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02713	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	\checkmark	tick, check mark
U+02720	✠	✠	✠	✠	✠		✠	✠	✠	✠	✠	\maltese	maltese cross
U+0272A	★	★					★					\circledstar	circled white star
U+02736	✳	✳					✳					\varstar	six pointed black star
U+0273D	✳	✳					✳					\dingasterisk	heavy teardrop-spoked asterisk
U+0279B	➤	➤					➤					\draftingarrow	right arrow with bold head (drafting)
U+027C0	∟	∟					∟	∟				\threedangle	three dimensional angle
U+027C1	⚠	⚠					⚠	⚠				\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3	⊆	⊆					⊆	⊆				\subsetcirc	open subset
U+027C4	⊇	⊇					⊇	⊇				\supsetcirc	open superset
U+027CB	/	/					/	/	/	/	/	\diagup <sup>(a)</sup>	mathematical rising diagonal
U+027CD	\	\					\	\	\	\	\	\diagdown <sup>(a)</sup>	mathematical falling diagonal
U+027D0	◊	◊					◊	◊				\diamonddot	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	•	•				•	•	•	•	•	•	\mdsmbkcircle	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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+029A9												<code>\measanglelutow</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>\uparrowoncircle</code>	up arrow through circle
U+029BE												<code>\circledwhitebullet</code>	circled white bullet
U+029BF												<code>\circledbullet</code>	circled bullet
U+029C2												<code>\cirscir</code>	circle with small circle to the right
U+029C3												<code>\cirE</code>	circle with two horizontal strokes to the right
U+029C9												<code>\boxonbox</code>	two joined squares
U+029CA												<code>\triangleodot</code>	triangle with dot above
U+029CB												<code>\triangleubar</code>	triangle with underbar
U+029CC												<code>\triangles</code>	s in triangle
U+029DC												<code>\iinfin</code>	incomplete infinity
U+029DD												<code>\tieinfty</code>	tie over infinity
U+029DE												<code>\nvinfty</code>	infinity negated with vertical bar
U+029E0												<code>\laplac</code>	square with contoured outline
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



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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+029FO												<code>\errbardiamond</code>	error-barred white diamond
U+029F1												<code>\errbarblackdiamond</code>	error-barred black diamond
U+029F2												<code>\errbarcircle</code>	error-barred white circle
U+029F3												<code>\errbarblackcircle</code>	error-barred black circle
U+02AE1												<code>\perps</code>	perpendicular with s
U+02AF1												<code>\topcir</code>	down tack with circle below
U+02B12												<code>\squaretopblack</code>	square with top half black
U+02B13												<code>\squarebotblack</code>	square with bottom half black
U+02B14												<code>\squareurblack</code>	square with upper right diagonal half black
U+02B15												<code>\squarellblack</code>	square with lower left diagonal half black
U+02B16												<code>\diamondleftblack</code>	diamond with left half black
U+02B17												<code>\diamondrightblack</code>	diamond with right half black
U+02B18												<code>\diamondtopblack</code>	diamond with top half black
U+02B19												<code>\diamondbotblack</code>	diamond with bottom half black
U+02B1A												<code>\dottedsquare</code>	dotted square
U+02B1B												<code>\lgblksquare</code>	black large square
U+02B1C												<code>\lgwhtsquare</code>	white large square
U+02B1D												<code>\vysmblksquare</code>	black very small square
U+02B1E												<code>\vysmwhtsquare</code>	white very small square
U+02B1F												<code>\pentagonblack</code>	black pentagon
U+02B20												<code>\pentagon</code>	white pentagon
U+02B21												<code>\varhexagon</code>	white hexagon
U+02B22												<code>\varhexagonblack</code>	black hexagon
U+02B23												<code>\hexagonblack</code>	horizontal black hexagon
U+02B24												<code>\lgblkcircle</code>	black large circle
U+02B25												<code>\mdblkdiamond</code>	black medium diamond
U+02B26												<code>\mdwhtdiamond</code>	white medium diamond
U+02B27												<code>\mdblklouzenge</code>	black medium lozenge
U+02B28												<code>\mdwhtlozenge</code>	white medium lozenge
U+02B29												<code>\sdblkdiamond</code>	black small diamond
U+02B2A												<code>\sdblklouzenge</code>	black small lozenge
U+02B2B												<code>\smwhtlozenge</code>	white small lozenge
U+02B2C												<code>\blkhorzoval</code>	black horizontal ellipse
U+02B2D												<code>\whthorzoval</code>	white horizontal ellipse
U+02B2E												<code>\blkvertoval</code>	black vertical ellipse
U+02B2F												<code>\whtvertoval</code>	white vertical ellipse
U+02B50												<code>\medwhitestar</code>	white medium star
U+02B51												<code>\medblackstar</code>	black medium star
U+02B52												<code>\smwhitestar</code>	white small star
U+02B53												<code>\rightpentagonblack</code>	black right-pointing pentagon
U+02B54												<code>\rightpentagon</code>	white right-pointing pentagon
U+03012												<code>\postalmark</code>	postal mark
U+03030												<code>\hzizzag</code>	zigzag
U+1D7CE	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<code>\mbfzero</code>	mathematical bold digit 0
U+1D7CF	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<code>\mbfone</code>	mathematical bold digit 1
U+1D7D0	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<code>\mbftwo</code>	mathematical bold digit 2

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7D1	3	3	3	3	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0		0		0	0	0	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1		1		1	1	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2		2		2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3		3		3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4		4		4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5		5		5	5	5	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6	6	6		6		6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7		7		7	7	7	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8		8		8	8	8	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9		9		9	9	9	\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0		0		0	0	0	\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1		1		1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2		2		2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3		3		3	3	3	\msanstthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4		4		4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5		5		5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6		6		6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7		7		7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8		8		8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9		9		9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0		0		0	0	0	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1		1		1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2		2		2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3		3		3	3	3	\mbfsanstthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4		4		4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5		5		5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6		6		6	6	6	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7		7		7	7	7	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8		8		8	8	8	\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9		9		9	9	9	\mbfsansnine	mathematical sans-serif bold digit 9

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7F6	0	0	0	0	0		0	0	0	0	0	\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1		1	1	1	1	1	\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2		2	2	2	2	2	\mttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3		3	3	3	3	3	\mtthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4		4	4	4	4	4	\mtfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5		5	5	5	5	5	\mtfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6		6	6	6	6	6	\mtsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7		7	7	7	7	7	\mtseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8		8	8	8	8	8	\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9		9	9	9	9	9	\mttnine	mathematical monospace digit 9

## 12 Relation symbols, `\mathrel`

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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+021C0	→	→	→	→	→	→	→	→	→	→	→	<code>\rightharpoonup<sup>(p)</sup></code>	right harpoon-up
U+021C1	→	→	→	→	→	→	→	→	→	→	→	<code>\rightharpoondown<sup>(p)</sup></code>	right harpoon-down
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>\leftrightharpoons<sup>(a)</sup></code>	left arrow over right arrow
U+021C7	←←	←←	←←	←←	←←	←←	←←	←←	←←	←←	←←	<code>\leftleftarrows<sup>(a)</sup></code>	two left arrows
U+021C8	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	↑↑	<code>\upparrows<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>\nLeftrightarrow<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>\nleftarrow</code>	leftwards arrow with vertical stroke
U+021F8	→	→	→	→	→	→	→	→	→	→	→	<code>\nrightarrow</code>	rightwards arrow with vertical stroke
U+021F9	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\nleftrightarrow</code>	left right arrow with vertical stroke
U+021FA	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	<code>\Nleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	<code>\Nrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	<code>\Nleftrightarrow</code>	left right arrow with double vertical stroke
U+021FD	←	←	←	←	←	←	←	←	←	←	←	<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE	→	→	→	→	→	→	→	→	→	→	→	<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightarrowtriangle</code>	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	<code>\in<sup>(p)</sup></code>	set membership, variant

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02209	∉	∉	∉	∉	∉	∉	∉	∉	∉	∉	∉	$\notin^{(l)}$	negated set membership
U+0220A	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	$\smallin$	set membership (small set membership)
U+0220B	⊃	⊃	⊃	⊃	⊃	⊃	⊃	⊃	⊃	⊃	⊃	$\ni^{(p)}$	contains, variant
U+0220C	⊄	⊄	⊄	⊄	⊄	⊄	⊄	⊄	⊄	⊄	⊄	$\nni$	negated contains, variant
U+0220D	⊋	⊋	⊋	⊋	⊋	⊋	⊋	⊋	⊋	⊋	⊋	$\smallni$	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	∝	∝	∝	∝	$\propto^{(p)}$	is proportional to
U+02223												$\mid^{(p)}$	/mid r:
U+02224	∤	∤	∤	∤	∤	∤	∤	∤	∤	∤	∤	$\nmid^{(a)}$	negated mid
U+02225	∥	∥	∥	∥	∥	∥	∥	∥	∥	∥	∥	$\parallel^{(p)}$	parallel
U+02226	∦	∦	∦	∦	∦	∦	∦	∦	∦	∦	∦	$\nparallel^{(a)}$	not parallel
U+02236	:	:	:	:	:	:	:	:	:	:	:	$\mathratio$	ratio
U+02237	::	::	::	::	::	::	::	::	::	::	::	$\Colon$	two colons
U+02239	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	$\dashcolon$	excess (-:)
U+0223A	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	$\dotsminusdots$	minus with four dots, geometric properties
U+0223B	∼	∼	∼	∼	∼	∼	∼	∼	∼	∼	∼	$\kernelcontraction$	homothetic
U+0223C	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\sim^{(p)}$	similar
U+0223D	∿	∿	∿	∿	∿	∿	∿	∿	∿	∿	∿	$\backsim^{(a)}$	reverse similar
U+02241	∸	∸	∸	∸	∸	∸	∸	∸	∸	∸	∸	$\nsim^{(a)}$	not similar
U+02242	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\eqsim^{(a)}$	equals, similar
U+02243	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\simeq^{(p)}$	similar, equals
U+02244	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	$\nsime$	not similar, equals
U+02243	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\sime$	similar, equals (alias)
U+02244	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	$\nsimeq$	not similar, equals (alias)
U+02245	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	$\cong^{(l)}$	congruent with
U+02246	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	≇	$\simneqq$	similar, not equals [vert only for 9573 entity]
U+02247	≉	≉	≉	≉	≉	≉	≉	≉	≉	≉	≉	$\ncong^{(a)}$	not congruent with
U+02248	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\approx^{(p)}$	approximate
U+02249	≉	≉	≉	≉	≉	≉	≉	≉	≉	≉	≉	$\napprox$	not approximate
U+0224A	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\approxeq^{(a)}$	approximate, equals
U+0224B	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	$\approxident$	approximately identical to
U+0224C	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	$\backcong$	all equal to
U+0224D	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	$\asymp^{(p)}$	asymptotically equal to
U+0224E	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	$\Bumpeq^{(a)}$	bumpy equals
U+0224F	⋉	⋉	⋉	⋉	⋉	⋉	⋉	⋉	⋉	⋉	⋉	$\bumpeq^{(a)}$	bumpy equals, equals
U+02250	≐	≐	≐	≐	≐	≐	≐	≐	≐	≐	≐	$\doteq^{(l)}$	equals, single dot above
U+02251	≑	≑	≑	≑	≑	≑	≑	≑	≑	≑	≑	$\Doteq^{(a)}$	/doteqdot /doteq r: equals, even dots
U+02252	≒	≒	≒	≒	≒	≒	≒	≒	≒	≒	≒	$\fallingdotseq^{(a)}$	equals, falling dots
U+02253	≓	≓	≓	≓	≓	≓	≓	≓	≓	≓	≓	$\risingdotseq^{(a)}$	equals, rising dots
U+02254	≔	≔	≔	≔	≔	≔	≔	≔	≔	≔	≔	$\coloneq$	colon, equals
U+02255	≕	≕	≕	≕	≕	≕	≕	≕	≕	≕	≕	$\eqcolon$	equals, colon
U+02256	≖	≖	≖	≖	≖	≖	≖	≖	≖	≖	≖	$\eqcirc^{(a)}$	circle on equals sign
U+02257	≗	≗	≗	≗	≗	≗	≗	≗	≗	≗	≗	$\circeq^{(a)}$	circle, equals
U+02258	≘	≘	≘	≘	≘	≘	≘	≘	≘	≘	≘	$\arceq$	arc, equals; corresponds to
U+02259	≙	≙	≙	≙	≙	≙	≙	≙	≙	≙	≙	$\wedgpeq$	corresponds to (wedge, equals)
U+0225A	≚	≚	≚	≚	≚	≚	≚	≚	≚	≚	≚	$\veeeq$	logical or, equals
U+0225B	≛	≛	≛	≛	≛	≛	≛	≛	≛	≛	≛	$\stareq$	star equals
U+0225C	≜	≜	≜	≜	≜	≜	≜	≜	≜	≜	≜	$\triangleq^{(a)}$	triangle, equals

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0225D	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$		$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\stackrel{\text{def}}{=}$	$\backslash\text{eqdef}$	equals by definition
U+0225E	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$		$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\stackrel{\text{m}}{=}$	$\backslash\text{measeq}$	measured by (m over equals)
U+0225F	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$		$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\backslash\text{questeq}$	equal with questionmark
U+02260	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\backslash\text{ne}^{(p)}$	/ne /ne r: not equal
U+02261	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\backslash\text{equiv}^{(p)}$	identical with
U+02262	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\not\equiv$	$\backslash\text{nequiv}$	not identical with
U+02263	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\equiv\equiv\equiv$	$\backslash\text{Equiv}$	strict equivalence (4 lines)
U+02264	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\backslash\text{leq}^{(p)}$	/leq /le r: less-than-or-equal
U+02265	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\backslash\text{geq}^{(p)}$	/geq /ge r: greater-than-or-equal
U+02266	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\leq\leq$	$\backslash\text{leqq}^{(a)}$	less, double equals
U+02267	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\geq\geq$	$\backslash\text{geqq}^{(a)}$	greater, double equals
U+02268	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\leq\not\leq$	$\backslash\text{lneqq}^{(a)}$	less, not double equals
U+02269	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\geq\not\geq$	$\backslash\text{gneqq}^{(a)}$	greater, not double equals
U+0226A	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\backslash\text{ll}^{(p)}$	much less than, type 2
U+0226B	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\backslash\text{gg}^{(p)}$	much greater than, type 2
U+0226C	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\backslash\text{between}^{(a)}$	between
U+0226D	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\asymp$	$\backslash\text{nasymp}$	not asymptotically equal to
U+0226E	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\backslash\text{nless}^{(a)}$	not less-than
U+0226F	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\ngrtr$	$\backslash\text{ngrtr}^{(a)}$	not greater-than
U+02270	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\backslash\text{nleq}^{(a)}$	not less-than-or-equal
U+02271	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\backslash\text{ngeq}^{(a)}$	not greater-than-or-equal
U+02272	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\backslash\text{lessim}^{(a)}$	less, similar
U+02273	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\gtrsim$	$\backslash\text{gtrsim}^{(a)}$	greater, similar
U+02274	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\nlessim$	$\backslash\text{nlessim}$	not less, similar
U+02275	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\ngrtsim$	$\backslash\text{ngrtsim}$	not greater, similar
U+02276	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\backslash\text{lessgtr}^{(a)}$	less, greater
U+02277	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\backslash\text{gtrless}^{(a)}$	greater, less
U+02278	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\nlessgtr$	$\backslash\text{nlessgtr}$	not less, greater
U+02279	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\ngrtless$	$\backslash\text{ngrtless}$	not greater, less
U+0227A	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\prec$	$\backslash\text{prec}^{(p)}$	precedes
U+0227B	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\succ$	$\backslash\text{succ}^{(p)}$	succeeds
U+0227C	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\preccurlyeq$	$\backslash\text{preccurlyeq}^{(a)}$	precedes, curly equals
U+0227D	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\succcurlyeq$	$\backslash\text{succcurlyeq}^{(a)}$	succeeds, curly equals
U+0227E	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\precsim$	$\backslash\text{precsim}^{(a)}$	precedes, similar
U+0227F	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\succsim$	$\backslash\text{succsim}^{(a)}$	succeeds, similar
U+02280	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\nprec$	$\backslash\text{nprec}^{(a)}$	not precedes
U+02281	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\nsucc$	$\backslash\text{nsucc}^{(a)}$	not succeeds
U+02282	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\subset$	$\backslash\text{subset}^{(p)}$	subset or is implied by
U+02283	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\supset$	$\backslash\text{supset}^{(p)}$	superset or implies
U+02284	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\nsubset$	$\backslash\text{nsubset}$	not subset, variant [slash negation]
U+02285	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\nsupset$	$\backslash\text{nsupset}$	not superset, variant [slash negation]
U+02286	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\subseteq$	$\backslash\text{subseteq}^{(p)}$	subset, equals
U+02287	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\supseteq$	$\backslash\text{supseteq}^{(p)}$	superset, equals
U+02288	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\nsubseteq$	$\backslash\text{nsubseteq}^{(a)}$	not subset, equals
U+02289	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\nsupseteq$	$\backslash\text{nsupseteq}^{(a)}$	not superset, equals
U+0228A	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\subsetneq$	$\backslash\text{subsetneq}^{(a)}$	subset, not equals
U+0228B	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\supsetneq$	$\backslash\text{supsetneq}^{(a)}$	superset, not equals
U+0228F	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\sqsubset$	$\backslash\text{sqsubset}$	square subset



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02290	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	<code>\sqsupseteq</code>	square superset
U+02291	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	<code>\sqsubseteqeq<sup>(p)</sup></code>	square subset, equals
U+02292	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	<code>\sqsupseteqeq<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
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 /llles 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>\sqsubseteqeq</code>	not, square subset, equals
U+022E3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	<code>\sqsupseteqeq</code>	not, square superset, equals
U+022E4	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	<code>\sqsubseteqneq</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



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+022E9												$\backslash$ succnsim <sup>(a)</sup>	succeeds, not similar
U+022EA												$\backslash$ invartriangleleft	not left triangle
U+022EB												$\backslash$ invartriangleright	not right triangle
U+022EC												$\backslash$ ntriangleleftteq <sup>(a)</sup>	not left triangle, equals
U+022ED												$\backslash$ ntrianglerightteq <sup>(a)</sup>	not right triangle, equals
U+022EE												$\backslash$ vdots <sup>(p)</sup>	vertical ellipsis
U+022F0												$\backslash$ adots	three dots, ascending
U+022F1												$\backslash$ ddots <sup>(p)</sup>	three dots, descending
U+022F2												$\backslash$ disin	element of with long horizontal stroke
U+022F3												$\backslash$ varisins	element of with vertical bar at end of horizontal stroke
U+022F4												$\backslash$ isins	small element of with vertical bar at end of horizontal stroke
U+022F5												$\backslash$ isindot	element of with dot above
U+022F6												$\backslash$ varisinobar	element of with overbar
U+022F7												$\backslash$ isinobar	small element of with overbar
U+022F8												$\backslash$ isinvb	element of with underbar
U+022F9												$\backslash$ isinE	element of with two horizontal strokes
U+022FA												$\backslash$ nisd	contains with long horizontal stroke
U+022FB												$\backslash$ varnis	contains with vertical bar at end of horizontal stroke
U+022FC												$\backslash$ nis	small contains with vertical bar at end of horizontal stroke
U+022FD												$\backslash$ varniobar	contains with overbar
U+022FE												$\backslash$ niobar	small contains with overbar
U+022FF												$\backslash$ bagmember	z notation bag membership
U+02322												$\backslash$ frown <sup>(p)</sup>	down curve
U+02323												$\backslash$ smile <sup>(p)</sup>	up curve
U+0233F												$\backslash$ APLnotslash	solidus, bar through (apl functional symbol slash bar)
U+025B5												$\backslash$ vartriangle <sup>(a)</sup>	/triangle - up triangle, open
U+027C2												$\backslash$ perp <sup>(p)</sup>	perpendicular
U+027C8												$\backslash$ bsolhsb	reverse solidus preceding subset
U+027C9												$\backslash$ suphsol	superset preceding solidus
U+027D2												$\backslash$ upin	element of opening upwards
U+027D3												$\backslash$ pullback	lower right corner with dot
U+027D4												$\backslash$ pushout	upper left corner with dot
U+027DA												$\backslash$ DashVDash	left and right double turnstile
U+027DB												$\backslash$ dashVdash	left and right tack
U+027DC												$\backslash$ multimapinv	left multimap
U+027DD												$\backslash$ vlongdash	long left tack
U+027DE												$\backslash$ longdashv	long right tack
U+027DF												$\backslash$ cirbot	up tack with circle above
U+027F0												$\backslash$ UUparrow	upwards quadruple arrow
U+027F1												$\backslash$ DDownarrow	downwards quadruple arrow
U+027F2												$\backslash$ acwgapcirclearrow	anticlockwise gapped circle arrow
U+027F3												$\backslash$ cwgapcirclearrow	clockwise gapped circle arrow
U+027F4												$\backslash$ rightarrowonoplus	right arrow with circled plus

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\longlefttrightarrow<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>\Longlefttrightarrow<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
U+0290A												<code>\Uparrow</code>	upwards triple arrow
U+0290B												<code>\Ddownarrow</code>	downwards triple arrow
U+0290C												<code>\leftbkarrow</code>	leftwards double dash arrow
U+0290D												<code>\rightbkarrow</code>	rightwards double dash arrow
U+0290E												<code>\leftdbkarrow</code>	leftwards triple dash arrow
U+0290F												<code>\dbkarrow</code>	rightwards triple dash arrow
U+02910												<code>\drbkarrow</code>	rightwards two-headed triple dash arrow
U+02911												<code>\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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\rightarrowdiamond</code>	rightwards arrow to black diamond
U+0291F		↖	↗			↖	↗	↖				<code>\diamondleftarrowbar</code>	leftwards arrow from bar to black diamond
U+02920		↖	↗			↖	↗	↖				<code>\barrightarrowdiamond</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>\acwcirculararrow</code>	anticlockwise closed circle arrow
U+02941		↻	↻			↻	↻	↻				<code>\cwcirculararrow</code>	clockwise closed circle arrow
U+02942		↗	↖			↗	↖	↗				<code>\rightarrowshortleftarrow</code>	rightwards arrow above short leftwards arrow
U+02943		↖	↗			↖	↗	↖				<code>\leftarrowshortrightarrow</code>	leftwards arrow above short rightwards arrow
U+02944		↗	↖			↗	↖	↗				<code>\shortrightarrowleftarrow</code>	short rightwards arrow above leftwards arrow
U+02945		→	→			→	→	→				<code>\rightarrowplus</code>	rightwards arrow with plus below
U+02946		←	←			←	←	←				<code>\leftarrowplus</code>	leftwards arrow with plus below

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02947		↗	↘				↔	↔				<code>\rightarrowx</code>	rightwards arrow through x
U+02948		↔	↔				↔	↔				<code>\leftrightharpoonowcircle</code>	left right arrow through small circle
U+02949		↕	↕				↕	↕				<code>\twoheaduparrowcircle</code>	upwards two-headed arrow from small circle
U+0294A		↖	↗			↖	↖	↗				<code>\leftrightharpoonowdown</code>	left barb up right barb down harpoon
U+0294B		↖	↗			↖	↖	↗				<code>\leftrightharpoonowdownup</code>	left barb down right barb up harpoon
U+0294C		↕	↕			↕	↕	↕				<code>\updownharpoonowrightleft</code>	up barb right down barb left harpoon
U+0294D		↕	↕			↕	↕	↕				<code>\updownharpoonowleftright</code>	up barb left down barb right harpoon
U+0294E		↖	↗			↖	↖	↗				<code>\leftrightharpoonowupup</code>	left barb up right barb up harpoon
U+0294F		↕	↕			↕	↕	↕				<code>\updownharpoonowrightright</code>	up barb right down barb right harpoon
U+02950		↖	↗			↖	↖	↗				<code>\leftrightharpoonowdowndown</code>	left barb down right barb down harpoon
U+02951		↕	↕			↕	↕	↕				<code>\updownharpoonowleftleft</code>	up barb left down barb left harpoon
U+02952		↖	↗				↖	↖				<code>\barleftharpoonowup</code>	leftwards harpoon with barb up to bar
U+02953		↗	↘				↗	↗				<code>\rightharpoonowupbar</code>	rightwards harpoon with barb up to bar
U+02954		↕	↕				↕	↕				<code>\barupharpoonowright</code>	upwards harpoon with barb right to bar
U+02955		↕	↕				↕	↕				<code>\downharpoonowrightbar</code>	downwards harpoon with barb right to bar
U+02956		↖	↗				↖	↖				<code>\barleftharpoonowdown</code>	leftwards harpoon with barb down to bar
U+02957		↗	↘				↗	↗				<code>\rightharpoonowdownbar</code>	rightwards harpoon with barb down to bar
U+02958		↕	↕				↕	↕				<code>\barupharpoonowleft</code>	upwards harpoon with barb left to bar
U+02959		↕	↕				↕	↕				<code>\downharpoonowleftbar</code>	downwards harpoon with barb left to bar
U+0295A		↖	↗			↖	↖	↗				<code>\leftharpoonowupbar</code>	leftwards harpoon with barb up from bar
U+0295B		↗	↘			↗	↗	↘				<code>\barrightharpoonowup</code>	rightwards harpoon with barb up from bar
U+0295C		↕	↕			↕	↕	↕				<code>\upharpoonowrightbar</code>	upwards harpoon with barb right from bar
U+0295D		↕	↕			↕	↕	↕				<code>\bardownharpoonowright</code>	downwards harpoon with barb right from bar
U+0295E		↖	↗			↖	↖	↗				<code>\leftharpoonowdownbar</code>	leftwards harpoon with barb down from bar
U+0295F		↗	↘			↗	↗	↘				<code>\barrightharpoonowdown</code>	rightwards harpoon with barb down from bar
U+02960		↕	↕			↕	↕	↕				<code>\upharpoonowleftbar</code>	upwards harpoon with barb left from bar
U+02961		↕	↕			↕	↕	↕				<code>\bardownharpoonowleft</code>	downwards harpoon with barb left from bar
U+02962		↖	↗				↖	↖				<code>\leftharpoonowsupdown</code>	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		↕	↕				↕	↕				<code>\upharpoonowleftright</code>	upwards harpoon with barb left beside upwards harpoon with barb right

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02964		⇒	⇨				⇒	⇨				<code>\rightharpoonsupdown</code>	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		⇩	⇩				⇩	⇩				<code>\downharpoonsleftright</code>	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⇐	⇨				⇐	⇨				<code>\leftrightharpoonsup</code>	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⇒	⇨				⇩	⇨				<code>\leftrightharpoonsdown</code>	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⇒	⇨				⇐	⇨				<code>\rightleftharpoonsup</code>	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⇐	⇨				⇩	⇨				<code>\rightleftharpoonsdown</code>	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⇐	⇨				⇐	⇨				<code>\leftharpoonupdash</code>	leftwards harpoon with barb up above long dash
U+0296B		⇐	⇨				⇐	⇨				<code>\dashleftarrowdown</code>	leftwards harpoon with barb down below long dash
U+0296C		⇒	⇨				⇒	⇨				<code>\rightharpoonupdash</code>	rightwards harpoon with barb up above long dash
U+0296D		⇒	⇨				⇒	⇨				<code>\dashrightarrowdown</code>	rightwards harpoon with barb down below long dash
U+0296E		⇅	⇅			⇅	⇅	⇅				<code>\updownharpoonsleftright</code>	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		⇅	⇅			⇅	⇅	⇅				<code>\downupharpoonsleftright</code>	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⇒	⇒				⇒	⇒				<code>\rightimply</code>	right double arrow with rounded head
U+02971		⇒	⇒				⇒	⇒				<code>\equalrightarrow</code>	equals sign above rightwards arrow
U+02972		⇒	⇒				⇒	⇒				<code>\similarrightarrow</code>	tilde operator above rightwards arrow
U+02973		⇐	⇐				⇐	⇐				<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
U+02974		⇒	⇒				⇒	⇒				<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
U+02975		⇒	⇒				⇒	⇒				<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
U+02976		⇐	⇐				⇐	⇐				<code>\ltlarr</code>	less-than above leftwards arrow
U+02977		⇐	⇐				⇐	⇐				<code>\leftarrowless</code>	leftwards arrow through less-than
U+02978		⇒	⇒				⇒	⇒				<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		⇐	⇐				⇐	⇐				<code>\subrarr</code>	subset above rightwards arrow
U+0297A		⇐	⇐				⇐	⇐				<code>\leftarrowsubset</code>	leftwards arrow through subset
U+0297B		⇒	⇒				⇒	⇒				<code>\suplarr</code>	superset above leftwards arrow
U+0297C		⇐	⇐				⇐	⇐				<code>\leftfishtail</code>	left fish tail
U+0297D		⇒	⇒				⇒	⇒				<code>\rightfishtail</code>	right fish tail
U+0297E		⇐	⇐				⇐	⇐				<code>\upfishtail</code>	up fish tail
U+0297F		⇐	⇐				⇐	⇐				<code>\downfishtail</code>	down fish tail
U+02982		⋮	⋮				⋮	⋮				<code>\typecolon</code>	z notation type colon
U+029CE		▷	▷				▷	▷				<code>\rtriltri</code>	right triangle above left triangle
U+029CF		▷	▷				▷	▷				<code>\ltrivb</code>	left triangle beside vertical bar

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+029D0		$\triangleright$	$\triangleright$				$\triangleright$	$\triangleright$				<code>\vbrtri</code>	vertical bar beside right triangle
U+029D1		$\blacktriangleright$	$\blacktriangleright$				$\blacktriangleright$	$\blacktriangleright$				<code>\lfbowtie</code>	left black bowtie
U+029D2		$\blacktriangleright$	$\blacktriangleright$				$\blacktriangleright$	$\blacktriangleright$				<code>\rfbowtie</code>	right black bowtie
U+029D3		$\blacktriangleright$	$\blacktriangleright$				$\blacktriangleright$	$\blacktriangleright$				<code>\fbowtie</code>	black bowtie
U+029D4		$\blacktriangleright$	$\blacktriangleright$				$\blacktriangleright$	$\times$				<code>\lftimes</code>	left black times
U+029D5		$\blacktriangleright$	$\blacktriangleright$				$\blacktriangleright$	$\times$				<code>\rftimes</code>	right black times
U+029DF		$\circ$	$\circ$				$\circ$	$\circ$				<code>\dualmap</code>	double-ended multimap
U+029E1		$\leq$	$\leq$				$\leq$	$\leq$				<code>\ltrtriangleeq</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		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\gleichstark</code>	gleich stark
U+029F4		$\dashrightarrow$	$\dashrightarrow$				$\dashrightarrow$	$\dashrightarrow$				<code>\ruledelayed</code>	rule-delayed
U+02A59		$\times$	$\times$				$\times$	$\times$				<code>\veeonwedge</code>	logical or overlapping logical and
U+02A66		$\dot{=}$	$\dot{=}$				$\dot{=}$	$\dot{=}$				<code>\eqdot</code>	equals sign with dot below
U+02A67		$\dot{=}$	$\dot{=}$				$\dot{=}$	$\dot{=}$				<code>\dotequiv</code>	identical with dot above
U+02A68		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\equivVert</code>	triple horizontal bar with double vertical stroke
U+02A69		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
U+02A6A		$\sim$	$\sim$				$\sim$	$\sim$				<code>\dotsim</code>	tilde operator with dot above
U+02A6B		$\sim$	$\sim$				$\sim$	$\sim$				<code>\simrdots</code>	tilde operator with rising dots
U+02A6C		$\approx$	$\approx$				$\approx$	$\approx$				<code>\simminussim</code>	similar minus similar
U+02A6D		$\cong$	$\cong$				$\cong$	$\cong$				<code>\congdot</code>	congruent with dot above
U+02A6E		$\cong$	$\cong$				$\cong$	$\cong$				<code>\asteq</code>	equals with asterisk
U+02A6F		$\cong$	$\cong$				$\cong$	$\cong$				<code>\hat{approx}</code>	almost equal to with circumflex accent
U+02A70		$\approx$	$\approx$				$\approx$	$\approx$				<code>\approxqq</code>	approximately equal or equal to
U+02A73		$\approx$	$\approx$				$\approx$	$\approx$				<code>\eqqsim</code>	equals sign above tilde operator
U+02A74		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\Coloneq</code>	double colon equal
U+02A75		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\eqeq</code>	two consecutive equals signs
U+02A76		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\eqeqeq</code>	three consecutive equals signs
U+02A77		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\ddot{=}</code>	equals sign with two dots above and two dots below
U+02A78		$\equiv$	$\equiv$				$\equiv$	$\equiv$				<code>\equivDD</code>	equivalent with four dots above
U+02A79		$\lessgtr$	$\lessgtr$				$\lessgtr$	$\lessgtr$				<code>\lrcir</code>	less-than with circle inside
U+02A7A		$\gtrless$	$\gtrless$				$\gtrless$	$\gtrless$				<code>\gtcir</code>	greater-than with circle inside
U+02A7B		$\lessgtr$	$\lessgtr$				$\lessgtr$	$\lessgtr$				<code>\ltquest</code>	less-than with question mark above
U+02A7C		$\gtrless$	$\gtrless$				$\gtrless$	$\gtrless$				<code>\gtquest</code>	greater-than with question mark above
U+02A7D	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	$\lessgtr$	<code>\leqslant<sup>(a)</sup></code>	less-than or slanted equal to
U+02A7E	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	$\gtrless$	<code>\geqslant<sup>(a)</sup></code>	greater-than or slanted equal to
U+02A7F	$\lessgtr$	$\lessgtr$	$\lessgtr$				$\lessgtr$	$\lessgtr$				<code>\lesdot</code>	less-than or slanted equal to with dot inside
U+02A80	$\gtrless$	$\gtrless$	$\gtrless$				$\gtrless$	$\gtrless$				<code>\gesdot</code>	greater-than or slanted equal to with dot inside
U+02A81	$\lessgtr$	$\lessgtr$	$\lessgtr$				$\lessgtr$	$\lessgtr$				<code>\lesdoto</code>	less-than or slanted equal to with dot above
U+02A82	$\gtrless$	$\gtrless$	$\gtrless$				$\gtrless$	$\gtrless$				<code>\gesdoto</code>	greater-than or slanted equal to with dot above
U+02A83	$\lessgtr$	$\lessgtr$	$\lessgtr$				$\lessgtr$	$\lessgtr$				<code>\lesdotor</code>	less-than or slanted equal to with dot above right

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A84		↯	↷				↯	↷				<code>\gesdotl</code>	greater-than or slanted equal to with dot above left
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>\singtr</code>	similar or greater-than
U+02A9F		↯	↯				↯	↯	↯	↯	↯	<code>\simlE</code>	similar above less-than above equals sign
U+02AA0		↯	↯				↯	↯	↯	↯	↯	<code>\singE</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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02AA6		◁	▷				◁	▷				\ltcc	less-than closed by curve
U+02AA7		▽	▽				▽	▽				\gtcc	greater-than closed by curve
U+02AA8		◁	▷				◁	▷				\lescc	less-than closed by curve above slanted equal
U+02AA9		▽	▽				▽	▽				\gescc	greater-than closed by curve above slanted equal
U+02AAA		⋈	⋈				⋈	⋈				\smt	smaller than
U+02AAB		⋈	⋈				⋈	⋈				\lat	larger than
U+02AAC		⋈	⋈				⋈	⋈				\smte	smaller than or equal to
U+02AAD		⋈	⋈				⋈	⋈				\late	larger than or equal to
U+02AAE		⋈	⋈				⋈	⋈				\bumpeq	equals sign with bumpy above
U+02AAF	⋈	⋈	⋈	⋈	⋈		⋈	⋈	⋈	⋈	⋈	\preceq <sup>(p)</sup>	precedes above single-line equals sign
U+02AB0	⋈	⋈	⋈	⋈	⋈		⋈	⋈	⋈	⋈	⋈	\succeq <sup>(p)</sup>	succeeds above single-line equals sign
U+02AB1		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\precneq	precedes above single-line not equal to
U+02AB2		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\succneq	succeeds above single-line not equal to
U+02AB3		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\preceqq	precedes above equals sign
U+02AB4		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\succeqq	succeeds above equals sign
U+02AB5		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\precneqq <sup>(a)</sup>	precedes above not equal to
U+02AB6		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\succneqq <sup>(a)</sup>	succeeds above not equal to
U+02AB7		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\precapprox <sup>(a)</sup>	precedes above almost equal to
U+02AB8		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\succapprox <sup>(a)</sup>	succeeds above almost equal to
U+02AB9		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\precnapprox <sup>(a)</sup>	precedes above not almost equal to
U+02ABA		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\succnapprox <sup>(a)</sup>	succeeds above not almost equal to
U+02ABB		⋈	⋈				⋈	⋈				\Prec	double precedes
U+02ABC		⋈	⋈				⋈	⋈				\Succ	double succeeds
U+02ABD		⋈	⋈				⋈	⋈				\subsetdot	subset with dot
U+02ABE		⋈	⋈				⋈	⋈				\supsetdot	superset with dot
U+02ABF		⋈	⋈				⋈	⋈				\subsetplus	subset with plus sign below
U+02AC0		⋈	⋈				⋈	⋈				\supsetplus	superset with plus sign below
U+02AC1		⋈	⋈				⋈	⋈				\subsetmult	subset with multiplication sign below
U+02AC2		⋈	⋈				⋈	⋈				\supmult	superset with multiplication sign below
U+02AC3		⋈	⋈				⋈	⋈				\subedot	subset of or equal to with dot above
U+02AC4		⋈	⋈				⋈	⋈				\supedot	superset of or equal to with dot above
U+02AC5		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\subteqq <sup>(a)</sup>	subset of above equals sign
U+02AC6		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\supteqq <sup>(a)</sup>	superset of above equals sign
U+02AC7		⋈	⋈				⋈	⋈				\subsettilde	subset of above tilde operator
U+02AC8		⋈	⋈				⋈	⋈				\suptilde	superset of above tilde operator
U+02AC9		⋈	⋈				⋈	⋈				\subsetapprox	subset of above almost equal to
U+02ACA		⋈	⋈				⋈	⋈				\supsetapprox	superset of above almost equal to
U+02ACB		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\subsetneqq <sup>(a)</sup>	subset of above not equal to
U+02ACC		⋈	⋈				⋈	⋈	⋈	⋈	⋈	\supsetneqq <sup>(a)</sup>	superset of above not equal to
U+02ACD		⋈	⋈				⋈	⋈				\lsqhook	square left open box operator
U+02ACE		⋈	⋈				⋈	⋈				\rsqhook	square right open box operator



USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02ACF		◻	◻				◻	◻				\csub	closed subset
U+02AD0		◻	◻				◻	◻				\csup	closed superset
U+02AD1		◻	◻				◻	◻				\csube	closed subset or equal to
U+02AD2		◻	◻				◻	◻				\csupe	closed superset or equal to
U+02AD3		⊂	⊃				⊂	⊃				\subsup	subset above superset
U+02AD4		⊃	⊂				⊃	⊂				\supsub	superset above subset
U+02AD5		⊂	⊂				⊂	⊂				\subsub	subset above subset
U+02AD6		⊃	⊃				⊃	⊃				\supsup	superset above superset
U+02AD7		⊂	⊂				⊂	⊂				\suphsub	superset beside subset
U+02AD8		⊂	⊂				⊂	⊂				\supdsub	superset beside and joined by dash with subset
U+02AD9		⌋	⌋				⌋	⌋				\forkv	element of opening downwards
U+02ADA		⌋	⌋				⌋	⌋				\topfork	pitchfork with tee top
U+02ADB		⌋	⌋				⌋	⌋				\mlcp	transversal intersection
U+02ADC		⌋	⌋				⌋	⌋				\forks	forking
U+02ADD		⌋	⌋				⌋	⌋				\forksnot	nonforking
U+02ADE		┘	┘				┘	┘				\shortlefttack	short left tack
U+02ADF		┘	┘				┘	┘				\shortdowntack	short down tack
U+02AE0		┘	┘				┘	┘				\shortuptack	short up tack
U+02AE2		⌋	⌋				⌋	⌋				\vDdash	vertical bar triple right turnstile
U+02AE3		⌋	⌋				⌋	⌋				\dashV	double vertical bar left turnstile
U+02AE4		⌋	⌋				⌋	⌋				\Dashv	vertical bar double left turnstile
U+02AE5		⌋	⌋				⌋	⌋				\DashV	double vertical bar double left turnstile
U+02AE6		⌋	⌋				⌋	⌋				\varVdash	long dash from left member of double vertical
U+02AE7		┘	┘				┘	┘				\Barv	short down tack with overbar
U+02AE8		┘	┘				┘	┘				\vBar	short up tack with underbar
U+02AE9		┘	┘				┘	┘				\vBarv	short up tack above short down tack
U+02AEA		⌋	⌋				⌋	⌋				\barV	double down tack
U+02AEB		⌋	⌋				⌋	⌋				\Vbar	double up tack
U+02AEC		≠	≠				≠	≠				\Not	double stroke not sign
U+02AED		≠	≠				≠	≠				\bNot	reversed double stroke not sign
U+02AEE		∤	∤				∤	∤				\revnmid	does not divide with reversed negation slash
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		↵	↵				↵	↵				\circleleftarrow	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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02B35		⇄	⇄			⇄	⇄	⇄				<code>\Ntwoheadleftarrow</code>	leftwards two-headed arrow with double vertical stroke
U+02B36		↔	↔			↔	↔	↔				<code>\twoheadmapsfrom</code>	leftwards two-headed arrow from bar
U+02B37		↔	↔			↔	↔	↔				<code>\twoheadleftdbkarrow</code>	leftwards two-headed triple-dash arrow
U+02B38		⋯	⋯			⋯	⋯	⋯				<code>\leftdotarrow</code>	leftwards arrow with dotted stem
U+02B39		↵	↵			↵	↵	↵				<code>\nleftarrowtail</code>	leftwards arrow with tail with vertical stroke
U+02B3A		⇄	⇄			⇄	⇄	⇄				<code>\Nleftarrowtail</code>	leftwards arrow with tail with double vertical stroke
U+02B3B		↵	↵			↵	↵	↵				<code>\twoheadleftarrowtail</code>	leftwards two-headed arrow with tail
U+02B3C		↵	↵			↵	↵	↵				<code>\nvtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		⇄	⇄			⇄	⇄	⇄				<code>\Nvtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↵	↵			↵	↵	↵				<code>\leftarrowx</code>	leftwards arrow through x
U+02B3F		↵	↵			↵	↵	↵				<code>\leftcurvedarrow</code>	wave arrow pointing directly left
U+02B40		⋈	⋈			⋈	⋈	⋈				<code>\equalleftarrow</code>	equals sign above leftwards arrow
U+02B41		⋈	⋈			⋈	⋈	⋈				<code>\bsimilarleftarrow</code>	reverse tilde operator above leftwards arrow
U+02B42		⋈	⋈			⋈	⋈	⋈				<code>\leftarrowbackapprox</code>	leftwards arrow above reverse almost equal to
U+02B43		⋈	⋈			⋈	⋈	⋈				<code>\rightarrowgtr</code>	rightwards arrow through greater-than
U+02B44		⋈	⋈			⋈	⋈	⋈				<code>\rightarrowsupset</code>	rightwards arrow through subset
U+02B45		⇄	⇄			⇄	⇄	⇄				<code>\Lleftarrow</code>	leftwards quadruple arrow
U+02B46		⇄	⇄			⇄	⇄	⇄				<code>\RRrightarrow</code>	rightwards quadruple arrow
U+02B47		⋈	⋈			⋈	⋈	⋈				<code>\bsimilarrightarrow</code>	reverse tilde operator above rightwards arrow
U+02B48		⋈	⋈			⋈	⋈	⋈				<code>\rightarrowbackapprox</code>	rightwards arrow above reverse almost equal to
U+02B49		⋈	⋈			⋈	⋈	⋈				<code>\similarleftarrow</code>	tilde operator above leftwards arrow
U+02B4A		⋈	⋈			⋈	⋈	⋈				<code>\leftarrowapprox</code>	leftwards arrow above almost equal to
U+02B4B		⋈	⋈			⋈	⋈	⋈				<code>\leftarrowbsimilar</code>	leftwards arrow above reverse tilde operator
U+02B4C		⋈	⋈			⋈	⋈	⋈				<code>\rightarrowbsimilar</code>	rightwards arrow above reverse tilde operator

## 13 Alphabetical symbols, `\mathalpha`

### 13.1 Normal weight

#### 13.1.1 Upright Greek, uppercase

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

#### 13.1.2 Upright Greek, lowercase

usv	L X S P D F N H E C R	Macro	Description
u+003B1	α α α α α α α α α α	<code>\mupalpha</code>	small alpha, greek
u+003B2	β β β β β β β β β β	<code>\mupbeta</code>	small beta, greek
u+003B3	γ γ γ γ γ γ γ γ γ γ	<code>\mupgamma</code>	small gamma, greek
u+003B4	δ δ δ δ δ δ δ δ δ δ	<code>\mupdelta</code>	small delta, greek
u+003B5	ε ε ε ε ε ε ε ε ε ε	<code>\mupvarepsilon</code>	rounded small varepsilon, greek
u+003B6	ζ ζ ζ ζ ζ ζ ζ ζ ζ ζ	<code>\mupzeta</code>	small zeta, greek
u+003B7	η η η η η η η η η η	<code>\mupeta</code>	small eta, greek
u+003B8	θ θ θ θ θ θ θ θ θ θ	<code>\muptheta</code>	straight theta, small theta, greek
u+003B9	ι ι ι ι ι ι ι ι ι ι	<code>\mupiota</code>	small iota, greek
u+003BA	κ κ κ κ κ κ κ κ κ κ	<code>\mupkappa</code>	small kappa, greek
u+003BB	λ λ λ λ λ λ λ λ λ λ	<code>\muplambda</code>	small lambda, greek
u+003BC	μ μ μ μ μ μ μ μ μ μ	<code>\mupmu</code>	small mu, greek
u+003BD	ν ν ν ν ν ν ν ν ν ν	<code>\mupnu</code>	small nu, greek

usv	L X S P D F N H E C R	Macro	Description
U+003BE	ξ ξ ξ ξ ξ ξ ξ ξ ξ ξ	\mupxi	small xi, greek
U+003BF	ο ο ο ο ο ο ο ο ο ο ο	\mupomicron	small omicron, greek
U+003C0	π π π π π π π π π π	\muppi	small pi, greek
U+003C1	ρ ρ ρ ρ ρ ρ ρ ρ ρ ρ	\muprho	small rho, greek
U+003C2	ς ς ς ς ς ς ς ς ς ς	\mupvarsigma	terminal sigma, greek
U+003C3	σ σ σ σ σ σ σ σ σ σ	\mupsigma	small sigma, greek
U+003C4	τ τ τ τ τ τ τ τ τ τ	\muptau	small tau, greek
U+003C5	υ υ υ υ υ υ υ υ υ υ	\mupupsilon	small upsilon, greek
U+003C6	φ φ φ φ φ φ φ φ φ φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ χ χ χ χ χ χ χ χ χ	\mupchi	small chi, greek
U+003C8	ψ ψ ψ ψ ψ ψ ψ ψ ψ ψ	\muppsi	small psi, greek
U+003C9	ω ω ω ω ω ω ω ω ω ω	\mupomega	small omega, greek
U+003D1	ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ	\mupvarthetaeta	/varthetaeta - curly or open theta
U+003D5	ϕ ϕ ϕ ϕ ϕ ϕ ϕ ϕ ϕ ϕ	\mupphi	/straightphi - small phi, greek
U+003D6	ω ω ω ω ω ω ω ω ω ω	\mupvarpi	rounded small pi (pomega), greek
U+003DC	Ϝ Ϝ Ϝ Ϝ Ϝ Ϝ Ϝ Ϝ Ϝ Ϝ	\upDigamma	capital digamma
U+003DD	ϝ ϝ ϝ ϝ ϝ ϝ ϝ ϝ ϝ ϝ	\updigamma	old greek small letter digamma
U+003F0	κ κ κ κ κ κ κ κ κ κ	\mupvarkappa	rounded small kappa, greek
U+003F1	ρ ρ ρ ρ ρ ρ ρ ρ ρ ρ	\mupvarrho	rounded small rho, greek
U+003F4	Θ Θ Θ Θ Θ Θ Θ Θ Θ Θ	\mupvarTheta	greek capital theta symbol
U+003F5	ϵ ϵ ϵ ϵ ϵ ϵ ϵ ϵ ϵ ϵ	\mupepsilon	greek lunate varepsilon symbol

### 13.1.3 Italic, Latin, uppercase

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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D44A	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mitW</code>	mathematical italic capital w
U+1D44B	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mitX</code>	mathematical italic capital x
U+1D44C	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mitY</code>	mathematical italic capital y
U+1D44D	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mitZ</code>	mathematical italic capital z

### 13.1.4 Italic, Latin, lowercase

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

### 13.1.5 Italic Greek, uppercase

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D6E2	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mitAlpha</code>	mathematical italic capital alpha
U+1D6E3	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<code>\mitBeta</code>	mathematical italic capital beta
U+1D6E4	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mitGamma</code>	mathematical italic capital gamma
U+1D6E5	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mitDelta</code>	mathematical italic capital delta
U+1D6E6	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mitEpsilon</code>	mathematical italic capital epsilon
U+1D6E7	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mitZeta</code>	mathematical italic capital zeta
U+1D6E8	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<code>\mitEta</code>	mathematical italic capital eta

USV	L X S P D F N H E C R	Macro	Description
U+1D6E9	Θ Θ Θ Θ Θ Θ Θ Θ Θ Θ	\mitTheta	mathematical italic capital theta
U+1D6EA	I I I I I I I I I I	\mitIota	mathematical italic capital iota
U+1D6EB	K K K K K K K K K K	\mitKappa	mathematical italic capital kappa
U+1D6EC	Λ Λ Λ Λ Λ Λ Λ Λ Λ Λ	\mitLambda	mathematical italic capital lambda
U+1D6ED	M M M M M M M M M M	\mitMu	mathematical italic capital mu
U+1D6EE	N N N N N N N N N N	\mitNu	mathematical italic capital nu
U+1D6EF	Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ	\mitXi	mathematical italic capital xi
U+1D6F0	O O O O O O O O O O	\mitOmicron	mathematical italic capital omicron
U+1D6F1	Π Π Π Π Π Π Π Π Π Π	\mitPi	mathematical italic capital pi
U+1D6F2	Ρ Ρ Ρ Ρ Ρ Ρ Ρ Ρ Ρ Ρ	\mitRho	mathematical italic capital rho
U+1D6F3	ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ ϑ	\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	Σ Σ Σ Σ Σ Σ Σ Σ Σ Σ	\mitSigma	mathematical italic capital sigma
U+1D6F5	Τ Τ Τ Τ Τ Τ Τ Τ Τ Τ	\mitTau	mathematical italic capital tau
U+1D6F6	Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ	\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	\mitPhi	mathematical italic capital phi
U+1D6F8	Χ Χ Χ Χ Χ Χ Χ Χ Χ Χ	\mitChi	mathematical italic capital chi
U+1D6F9	Ψ Ψ Ψ Ψ Ψ Ψ Ψ Ψ Ψ Ψ	\mitPsi	mathematical italic capital psi
U+1D6FA	Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω	\mitOmega	mathematical italic capital omega

### 13.1.6 Italic Greek, lowercase

USV	L X S P D F N H E C R	Macro	Description
U+1D6FC	α α α α α α α α α α	\mitalpha	mathematical italic small alpha
U+1D6FD	β β β β β β β β β β	\mitbeta	mathematical italic small beta
U+1D6FE	γ γ γ γ γ γ γ γ γ γ	\mitgamma	mathematical italic small gamma
U+1D6FF	δ δ δ δ δ δ δ δ δ δ	\mitdelta	mathematical italic small delta
U+1D700	ε ε ε ε ε ε ε ε ε ε	\mitvarepsilon	mathematical italic small varepsilon
U+1D701	ζ ζ ζ ζ ζ ζ ζ ζ ζ ζ	\mitzeta	mathematical italic small zeta
U+1D702	η η η η η η η η η η	\miteta	mathematical italic small eta
U+1D703	θ θ θ θ θ θ θ θ θ θ	\mittheta	mathematical italic small theta
U+1D704	ι ι ι ι ι ι ι ι ι ι	\mitiota	mathematical italic small iota
U+1D705	κ κ κ κ κ κ κ κ κ κ	\mitkappa	mathematical italic small kappa
U+1D706	λ λ λ λ λ λ λ λ λ λ	\mitlambda	mathematical italic small lambda
U+1D707	μ μ μ μ μ μ μ μ μ μ	\mitmu	mathematical italic small mu
U+1D708	ν ν ν ν ν ν ν ν ν ν	\mitnu	mathematical italic small nu
U+1D709	ξ ξ ξ ξ ξ ξ ξ ξ ξ ξ	\mitxi	mathematical italic small xi
U+1D70A	ο ο ο ο ο ο ο ο ο ο	\mitomicron	mathematical italic small omicron
U+1D70B	π π π π π π π π π π	\mitpi	mathematical italic small pi
U+1D70C	ρ ρ ρ ρ ρ ρ ρ ρ ρ ρ	\mitrho	mathematical italic small rho
U+1D70D	ς ς ς ς ς ς ς ς ς ς	\mitvarsigma	mathematical italic small final sigma
U+1D70E	σ σ σ σ σ σ σ σ σ σ	\mitsigma	mathematical italic small sigma
U+1D70F	τ τ τ τ τ τ τ τ τ τ	\mittau	mathematical italic small tau
U+1D710	υ υ υ υ υ υ υ υ υ υ	\mitupsilon	mathematical italic small upsilon
U+1D711	φ φ φ φ φ φ φ φ φ φ	\mitvarphi	mathematical italic small phi
U+1D712	χ χ χ χ χ χ χ χ χ χ	\mitchi	mathematical italic small chi
U+1D713	ψ ψ ψ ψ ψ ψ ψ ψ ψ ψ	\mitpsi	mathematical italic small psi
U+1D714	ω ω ω ω ω ω ω ω ω ω	\mitomega	mathematical italic small omega

usv	L X S P D F N H E C R	Macro	Description
U+1D715	$\partial \partial \partial \partial \partial \partial \partial \partial \partial \partial$	<code>\mitpartial</code>	mathematical italic partial differential
U+1D716	$\epsilon \epsilon \epsilon \epsilon \epsilon \epsilon \epsilon \epsilon \epsilon \epsilon$	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
U+1D717	$\vartheta \vartheta \vartheta \vartheta \vartheta \vartheta \vartheta \vartheta \vartheta \vartheta$	<code>\mitvartheta</code>	mathematical italic theta symbol
U+1D718	$\kappa \kappa \kappa \kappa \kappa \kappa \kappa \kappa \kappa \kappa$	<code>\mitvarkappa</code>	mathematical italic kappa symbol
U+1D719	$\phi \phi \phi \phi \phi \phi \phi \phi \phi \phi$	<code>\mitphi</code>	mathematical italic phi symbol
U+1D71A	$\varrho \varrho \varrho \varrho \varrho \varrho \varrho \varrho \varrho \varrho$	<code>\mitvarrho</code>	mathematical italic rho symbol
U+1D71B	$\varpi \varpi \varpi \varpi \varpi \varpi \varpi \varpi \varpi \varpi$	<code>\mitvarpi</code>	mathematical italic pi symbol

### 13.1.7 Script, Latin, uppercase

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

### 13.1.8 Script, Latin, lowercase

usv	L X S P D F N H E C R	Macro	Description
U+1D4B6	$a a a a a$	<code>\mscra</code>	mathematical script small a
U+1D4B7	$b b b b b$	<code>\mscra</code>	mathematical script small b
U+1D4B8	$c c c c c$	<code>\mscra</code>	mathematical script small c
U+1D4B9	$d d d d d$	<code>\mscra</code>	mathematical script small d
U+1D4BB	$f f f f f$	<code>\mscra</code>	mathematical script small f
U+1D4BD	$h h h h h$	<code>\mscra</code>	mathematical script small h
U+1D4BE	$i i i i i$	<code>\mscra</code>	mathematical script small i
U+1D4BF	$j j j j j$	<code>\mscra</code>	mathematical script small j
U+1D4C0	$k k k k k$	<code>\mscra</code>	mathematical script small k
U+1D4C1	$l l l l l$	<code>\mscra</code>	mathematical script small l
U+1D4C2	$m m m m m$	<code>\mscra</code>	mathematical script small m



usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D4C3	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mscrn</code>	mathematical script small n
U+1D4C5	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mscrp</code>	mathematical script small p
U+1D4C6	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mscrq</code>	mathematical script small q
U+1D4C7	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<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>	<i>s</i>	<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>	<i>t</i>	<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>	<i>u</i>	<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>	<i>v</i>	<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>	<i>w</i>	<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>	<i>x</i>	<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>	<i>y</i>	<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>	<i>z</i>	<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	L	X	S	P	D	F	N	H	E	C	R	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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D51E	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<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 small a
U+1D51F	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<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 small b
U+1D520	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<code>\mfrakc</code>	mathematical fraktur small c



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

### 13.1.11 Blackboard, Latin, uppercase

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

### 13.1.12 Blackboard, Latin, lowercase

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

### 13.1.13 Sans serif, Latin, uppercase

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5A0	A	A	A	A	A	A	A	A	A	A	A	\msansA	mathematical sans-serif capital a
U+1D5A1	B	B	B	B	B	B	B	B	B	B	B	\msansB	mathematical sans-serif capital b
U+1D5A2	C	C	C	C	C	C	C	C	C	C	C	\msansC	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D	D	D	D	D	D	\msansD	mathematical sans-serif capital d
U+1D5A4	E	E	E	E	E	E	E	E	E	E	E	\msansE	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F	F	F	F	F	F	\msansF	mathematical sans-serif capital f
U+1D5A6	G	G	G	G	G	G	G	G	G	G	G	\msansG	mathematical sans-serif capital g
U+1D5A7	H	H	H	H	H	H	H	H	H	H	H	\msansH	mathematical sans-serif capital h
U+1D5A8	I	I	I	I	I	I	I	I	I	I	I	\msansI	mathematical sans-serif capital i
U+1D5A9	J	J	J	J	J	J	J	J	J	J	J	\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K	K	K	K	K	K	\msansK	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L	L	L	L	L	L	\msansL	mathematical sans-serif capital l
U+1D5AC	M	M	M	M	M	M	M	M	M	M	M	\msansM	mathematical sans-serif capital m
U+1D5AD	N	N	N	N	N	N	N	N	N	N	N	\msansN	mathematical sans-serif capital n

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5AE	O	O	O	O	O	O	O	O	O	O	O	<code>\msansO</code>	mathematical sans-serif capital o
U+1D5AF	P	P	P	P	P	P	P	P	P	P	P	<code>\msansP</code>	mathematical sans-serif capital p
U+1D5B0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	<code>\msansQ</code>	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R	R	R	R	R	R	<code>\msansR</code>	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S	S	S	S	S	S	<code>\msansS</code>	mathematical sans-serif capital s
U+1D5B3	T	T	T	T	T	T	T	T	T	T	T	<code>\msansT</code>	mathematical sans-serif capital t
U+1D5B4	U	U	U	U	U	U	U	U	U	U	U	<code>\msansU</code>	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V	V	V	V	V	V	<code>\msansV</code>	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W	W	W	W	W	W	<code>\msansW</code>	mathematical sans-serif capital w
U+1D5B7	X	X	X	X	X	X	X	X	X	X	X	<code>\msansX</code>	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	<code>\msansY</code>	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	<code>\msansZ</code>	mathematical sans-serif capital z

### 13.1.14 Sans serif, Latin, lowercase

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

### 13.1.15 Italic sans serif, Latin, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D608	A	A	A	A	A	A	A	A	A	A	A	\mitsansA	mathematical sans-serif italic capital a
U+1D609	B	B	B	B	B	B	B	B	B	B	B	\mitsansB	mathematical sans-serif italic capital b
U+1D60A	C	C	C	C	C	C	C	C	C	C	C	\mitsansC	mathematical sans-serif italic capital c
U+1D60B	D	D	D	D	D	D	D	D	D	D	D	\mitsansD	mathematical sans-serif italic capital d
U+1D60C	E	E	E	E	E	E	E	E	E	E	E	\mitsansE	mathematical sans-serif italic capital e
U+1D60D	F	F	F	F	F	F	F	F	F	F	F	\mitsansF	mathematical sans-serif italic capital f
U+1D60E	G	G	G	G	G	G	G	G	G	G	G	\mitsansG	mathematical sans-serif italic capital g
U+1D60F	H	H	H	H	H	H	H	H	H	H	H	\mitsansH	mathematical sans-serif italic capital h
U+1D610	I	I	I	I	I	I	I	I	I	I	I	\mitsansI	mathematical sans-serif italic capital i
U+1D611	J	J	J	J	J	J	J	J	J	J	J	\mitsansJ	mathematical sans-serif italic capital j
U+1D612	K	K	K	K	K	K	K	K	K	K	K	\mitsansK	mathematical sans-serif italic capital k
U+1D613	L	L	L	L	L	L	L	L	L	L	L	\mitsansL	mathematical sans-serif italic capital l
U+1D614	M	M	M	M	M	M	M	M	M	M	M	\mitsansM	mathematical sans-serif italic capital m
U+1D615	N	N	N	N	N	N	N	N	N	N	N	\mitsansN	mathematical sans-serif italic capital n
U+1D616	O	O	O	O	O	O	O	O	O	O	O	\mitsansO	mathematical sans-serif italic capital o
U+1D617	P	P	P	P	P	P	P	P	P	P	P	\mitsansP	mathematical sans-serif italic capital p
U+1D618	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	\mitsansQ	mathematical sans-serif italic capital q
U+1D619	R	R	R	R	R	R	R	R	R	R	R	\mitsansR	mathematical sans-serif italic capital r
U+1D61A	S	S	S	S	S	S	S	S	S	S	S	\mitsansS	mathematical sans-serif italic capital s
U+1D61B	T	T	T	T	T	T	T	T	T	T	T	\mitsansT	mathematical sans-serif italic capital t
U+1D61C	U	U	U	U	U	U	U	U	U	U	U	\mitsansU	mathematical sans-serif italic capital u
U+1D61D	V	V	V	V	V	V	V	V	V	V	V	\mitsansV	mathematical sans-serif italic capital v
U+1D61E	W	W	W	W	W	W	W	W	W	W	W	\mitsansW	mathematical sans-serif italic capital w
U+1D61F	X	X	X	X	X	X	X	X	X	X	X	\mitsansX	mathematical sans-serif italic capital x
U+1D620	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	\mitsansY	mathematical sans-serif italic capital y
U+1D621	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	\mitsansZ	mathematical sans-serif italic capital z

### 13.1.16 Italic sans serif, Latin, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D622	a	a	a	a	a	a	a	a	a	a	a	\mitsansa	mathematical sans-serif italic small a
U+1D623	b	b	b	b	b	b	b	b	b	b	b	\mitsansb	mathematical sans-serif italic small b
U+1D624	c	c	c	c	c	c	c	c	c	c	c	\mitsansc	mathematical sans-serif italic small c
U+1D625	d	d	d	d	d	d	d	d	d	d	d	\mitsansd	mathematical sans-serif italic small d
U+1D626	e	e	e	e	e	e	e	e	e	e	e	\mitsanse	mathematical sans-serif italic small e
U+1D627	f	f	f	f	f	f	f	f	f	f	f	\mitsansf	mathematical sans-serif italic small f
U+1D628	g	g	g	g	g	g	g	g	g	g	g	\mitsansg	mathematical sans-serif italic small g
U+1D629	h	h	h	h	h	h	h	h	h	h	h	\mitsansh	mathematical sans-serif italic small h
U+1D62A	i	i	i	i	i	i	i	i	i	i	i	\mitsansi	mathematical sans-serif italic small i
U+1D62B	j	j	j	j	j	j	j	j	j	j	j	\mitsansj	mathematical sans-serif italic small j
U+1D62C	k	k	k	k	k	k	k	k	k	k	k	\mitsansk	mathematical sans-serif italic small k
U+1D62D	l	l	l	l	l	l	l	l	l	l	l	\mitsansl	mathematical sans-serif italic small l
U+1D62E	m	m	m	m	m	m	m	m	m	m	m	\mitsansm	mathematical sans-serif italic small m
U+1D62F	n	n	n	n	n	n	n	n	n	n	n	\mitsansn	mathematical sans-serif italic small n
U+1D630	o	o	o	o	o	o	o	o	o	o	o	\mitsanso	mathematical sans-serif italic small o
U+1D631	p	p	p	p	p	p	p	p	p	p	p	\mitsansp	mathematical sans-serif italic small p
U+1D632	q	q	q	q	q	q	q	q	q	q	q	\mitsansq	mathematical sans-serif italic small q

usv	L X S P D F N H E C R	Macro	Description
U+1D633	<i>r r r r r</i>	<code>\mitsansr</code>	mathematical sans-serif italic small r
U+1D634	<i>s s s s s</i>	<code>\mitsanss</code>	mathematical sans-serif italic small s
U+1D635	<i>t t t t t</i>	<code>\mitsanst</code>	mathematical sans-serif italic small t
U+1D636	<i>u u u u u</i>	<code>\mitsansu</code>	mathematical sans-serif italic small u
U+1D637	<i>v v v v v</i>	<code>\mitsansv</code>	mathematical sans-serif italic small v
U+1D638	<i>w w w w w</i>	<code>\mitsansw</code>	mathematical sans-serif italic small w
U+1D639	<i>x x x x x</i>	<code>\mitsansx</code>	mathematical sans-serif italic small x
U+1D63A	<i>y y y y y</i>	<code>\mitsansy</code>	mathematical sans-serif italic small y
U+1D63B	<i>z z z z z</i>	<code>\mitsansz</code>	mathematical sans-serif italic small z

13.1.17 Typewriter, Latin, uppercase

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

13.1.18 Typewriter, Latin, lowercase

usv	L X S P D F N H E C R	Macro	Description
U+1D68A	a a a a a a	<code>\mtta</code>	mathematical monospace small a

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

## 13.2 Bold

### 13.2.1 Bold, Latin, uppercase

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D410	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	\mbfQ	mathematical bold capital q
U+1D411	R	R	R	R	R	R	R	R	R	R	R	\mbfR	mathematical bold capital r
U+1D412	S	S	S	S	S	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	V	V	V	V	\mbfV	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	W	W	W	W	\mbfW	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	X	X	X	X	\mbfX	mathematical bold capital x
U+1D418	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

### 13.2.2 Bold, Latin, lowercase

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

### 13.2.3 Bold Greek, uppercase



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

### 13.2.4 Bold Greek, lowercase

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



usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D6D4	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<code>\mbfsigma</code>	mathematical bold small sigma
U+1D6D5	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<code>\mbftau</code>	mathematical bold small tau
U+1D6D6	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<code>\mbfupsilon</code>	mathematical bold small upsilon
U+1D6D7	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<code>\mbfvarphi</code>	mathematical bold small phi
U+1D6D8	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<code>\mbfchi</code>	mathematical bold small chi
U+1D6D9	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<code>\mbfpsi</code>	mathematical bold small psi
U+1D6DA	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<code>\mbfomega</code>	mathematical bold small omega
U+1D6DB	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<code>\mbfpartial</code>	mathematical bold partial differential
U+1D6DC	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<code>\mbfepsilon</code>	mathematical bold varepsilon symbol
U+1D6DD	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<code>\mbfvartheta</code>	mathematical bold theta symbol
U+1D6DE	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<code>\mbfvarkappa</code>	mathematical bold kappa symbol
U+1D6DF	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<code>\mbfphi</code>	mathematical bold phi symbol
U+1D6E0	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<code>\mbfvarrho</code>	mathematical bold rho symbol
U+1D6E1	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<code>\mbfvarpi</code>	mathematical bold pi symbol

### 13.2.5 Bold italic, Latin, uppercase

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

### 13.2.6 Bold italic, Latin, lowercase

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

### 13.2.7 Bold italic Greek, uppercase

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D71C	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mbfitAlpha</code>	mathematical bold italic capital alpha
U+1D71D	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<code>\mbfitBeta</code>	mathematical bold italic capital beta
U+1D71E	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mbfitGamma</code>	mathematical bold italic capital gamma
U+1D71F	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mbfitDelta</code>	mathematical bold italic capital delta
U+1D720	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mbfitEpsilon</code>	mathematical bold italic capital epsilon
U+1D721	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mbfitZeta</code>	mathematical bold italic capital zeta
U+1D722	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<code>\mbfitEta</code>	mathematical bold italic capital eta
U+1D723	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mbfitTheta</code>	mathematical bold italic capital theta
U+1D724	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<code>\mbfitIota</code>	mathematical bold italic capital iota
U+1D725	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<code>\mbfitKappa</code>	mathematical bold italic capital kappa
U+1D726	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<code>\mbfitLambda</code>	mathematical bold italic capital lambda
U+1D727	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<code>\mbfitMu</code>	mathematical bold italic capital mu
U+1D728	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<code>\mbfitNu</code>	mathematical bold italic capital nu
U+1D729	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<code>\mbfitXi</code>	mathematical bold italic capital xi

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D72A	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<code>\mbfitOmicron</code>	mathematical bold italic capital omicron
U+1D72B	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<i><b>Π</b></i>	<code>\mbfitPi</code>	mathematical bold italic capital pi
U+1D72C	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<code>\mbfitRho</code>	mathematical bold italic capital rho
U+1D72D	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<i><b>Θ</b></i>	<code>\mbfitvarTheta</code>	mathematical bold italic capital theta symbol
U+1D72E	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<i><b>Σ</b></i>	<code>\mbfitSigma</code>	mathematical bold italic capital sigma
U+1D72F	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<code>\mbfitTau</code>	mathematical bold italic capital tau
U+1D730	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<i><b>Υ</b></i>	<code>\mbfitUpsilon</code>	mathematical bold italic capital upsilon
U+1D731	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<i><b>Φ</b></i>	<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<i><b>Χ</b></i>	<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<i><b>Ψ</b></i>	<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<i><b>Ω</b></i>	<code>\mbfitOmega</code>	mathematical bold italic capital omega

### 13.2.8 Bold italic Greek, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D736	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<i><b>α</b></i>	<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<i><b>β</b></i>	<code>\mbfitbeta</code>	mathematical bold italic small beta
U+1D738	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<i><b>γ</b></i>	<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<i><b>δ</b></i>	<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<code>\mbfitvarepsilon</code>	mathematical bold italic small varepsilon
U+1D73B	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<i><b>ζ</b></i>	<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<i><b>η</b></i>	<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<i><b>ι</b></i>	<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<i><b>λ</b></i>	<code>\mbfitlambda</code>	mathematical bold italic small lambda
U+1D741	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<i><b>μ</b></i>	<code>\mbfitmu</code>	mathematical bold italic small mu
U+1D742	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<i><b>ν</b></i>	<code>\mbfitnu</code>	mathematical bold italic small nu
U+1D743	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<i><b>ξ</b></i>	<code>\mbfitxi</code>	mathematical bold italic small xi
U+1D744	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<i><b>ο</b></i>	<code>\mbfitomicron</code>	mathematical bold italic small omicron
U+1D745	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<code>\mbfitpi</code>	mathematical bold italic small pi
U+1D746	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<code>\mbfitrho</code>	mathematical bold italic small rho
U+1D747	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<i><b>ς</b></i>	<code>\mbfitvarsigma</code>	mathematical bold italic small final sigma
U+1D748	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<i><b>σ</b></i>	<code>\mbfitsigma</code>	mathematical bold italic small sigma
U+1D749	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<i><b>τ</b></i>	<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<i><b>υ</b></i>	<code>\mbfitupsilon</code>	mathematical bold italic small upsilon
U+1D74B	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<code>\mbfitvarphi</code>	mathematical bold italic small phi
U+1D74C	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<i><b>χ</b></i>	<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<i><b>ψ</b></i>	<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<i><b>∂</b></i>	<code>\mbfitpartial</code>	mathematical bold italic partial differential
U+1D750	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<i><b>ε</b></i>	<code>\mbfitepsilon</code>	mathematical bold italic varepsilon symbol
U+1D751	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<i><b>θ</b></i>	<code>\mbfitvartheta</code>	mathematical bold italic theta symbol
U+1D752	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<code>\mbfitvarkappa</code>	mathematical bold italic kappa symbol
U+1D753	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<code>\mbfitphi</code>	mathematical bold italic phi symbol
U+1D754	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<code>\mbfitvarrho</code>	mathematical bold italic rho symbol
U+1D755	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<i><b>ω</b></i>	<code>\mbfitvarpi</code>	mathematical bold italic pi symbol

usv	L X S P D F N H E C R	Macro	Description
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### 13.2.9 Bold script, Latin, uppercase

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

### 13.2.10 Bold script, Latin, lowercase

usv	L X S P D F N H E C R	Macro	Description
U+1D4EA	<i>a a a a a</i>	<code>\mbfscra</code>	mathematical bold script small a
U+1D4EB	<i>b b b b b</i>	<code>\mbfscrb</code>	mathematical bold script small b
U+1D4EC	<i>c c c c c</i>	<code>\mbfscrc</code>	mathematical bold script small c
U+1D4ED	<i>d d d d d</i>	<code>\mbfscrd</code>	mathematical bold script small d
U+1D4EE	<i>e e e e e</i>	<code>\mbfscre</code>	mathematical bold script small e
U+1D4EF	<i>f f f f f</i>	<code>\mbfscrf</code>	mathematical bold script small f
U+1D4F0	<i>g g g g g</i>	<code>\mbfscrg</code>	mathematical bold script small g
U+1D4F1	<i>h h h h h</i>	<code>\mbfscrh</code>	mathematical bold script small h
U+1D4F2	<i>i i i i i</i>	<code>\mbfscri</code>	mathematical bold script small i
U+1D4F3	<i>j j j j j</i>	<code>\mbfscrj</code>	mathematical bold script small j

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D4F4	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<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 small k
U+1D4F5	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfscr l</code>	mathematical bold script small l
U+1D4F6	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<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 small m
U+1D4F7	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<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 small n
U+1D4F8	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<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 small o
U+1D4F9	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<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 small p
U+1D4FA	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<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 small q
U+1D4FB	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<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 small r
U+1D4FC	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<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 small s
U+1D4FD	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<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 small t
U+1D4FE	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<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 small u
U+1D4FF	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<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>	<i>w</i>	<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>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfscr x</code>	mathematical bold script small x
U+1D502	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<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 small y
U+1D503	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<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 small z

### 13.2.11 Bold fraktur, Latin, uppercase

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D56C	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<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 capital a
U+1D56D	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<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 capital b
U+1D56E	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<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 capital c
U+1D56F	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<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 capital d
U+1D570	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<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 capital e
U+1D571	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<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 capital f
U+1D572	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<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 capital g
U+1D573	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<code>\mbffrakH</code>	mathematical bold fraktur capital h
U+1D574	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<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 capital i
U+1D575	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<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 capital j
U+1D576	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<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 capital k
U+1D577	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<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 capital l
U+1D578	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<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 capital m
U+1D579	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<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 capital n
U+1D57A	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<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 capital o
U+1D57B	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<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 capital p
U+1D57C	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<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 capital q
U+1D57D	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<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 capital r
U+1D57E	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<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 capital s
U+1D57F	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<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 capital t
U+1D580	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<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 capital u
U+1D581	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<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 capital v
U+1D582	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<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 capital w
U+1D583	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<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 capital x
U+1D584	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<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 capital y
U+1D585	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<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 capital z

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usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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### 13.2.12 Bold fraktur, Latin, lowercase

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usv	L	X	S	P	D	F	N	H	E	C	R	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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<code>\mbffrakz</code>	mathematical bold fraktur small z

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### 13.2.13 Bold sans serif, Latin, uppercase

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usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5D4	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<code>\mbfsansJ</code>	mathematical sans-serif bold capital j

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usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5DE	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<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>	<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>	<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>	<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>	<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>	<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>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<code>\mbfsansQ</code>	mathematical sans-serif bold capital q
U+1D5E5	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5EE	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D63C	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<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>	<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
U+1D63E	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<code>\mbfitsansC</code>	mathematical sans-serif bold italic capital c
U+1D63F	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<code>\mbfitsansD</code>	mathematical sans-serif bold italic capital d
U+1D640	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<code>\mbfitsansE</code>	mathematical sans-serif bold italic capital e
U+1D641	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<code>\mbfitsansF</code>	mathematical sans-serif bold italic capital f
U+1D642	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<code>\mbfitsansG</code>	mathematical sans-serif bold italic capital g
U+1D643	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<code>\mbfitsansH</code>	mathematical sans-serif bold italic capital h
U+1D644	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<code>\mbfitsansI</code>	mathematical sans-serif bold italic capital i
U+1D645	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<code>\mbfitsansJ</code>	mathematical sans-serif bold italic capital j
U+1D646	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<code>\mbfitsansK</code>	mathematical sans-serif bold italic capital k
U+1D647	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<code>\mbfitsansL</code>	mathematical sans-serif bold italic capital l
U+1D648	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<code>\mbfitsansM</code>	mathematical sans-serif bold italic capital m
U+1D649	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<code>\mbfitsansN</code>	mathematical sans-serif bold italic capital n
U+1D64A	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<code>\mbfitsansO</code>	mathematical sans-serif bold italic capital o
U+1D64B	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<code>\mbfitsansP</code>	mathematical sans-serif bold italic capital p
U+1D64C	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<code>\mbfitsansQ</code>	mathematical sans-serif bold italic capital q
U+1D64D	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<code>\mbfitsansR</code>	mathematical sans-serif bold italic capital r
U+1D64E	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<code>\mbfitsansS</code>	mathematical sans-serif bold italic capital s
U+1D64F	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<code>\mbfitsansT</code>	mathematical sans-serif bold italic capital t
U+1D650	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<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 capital u
U+1D651	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<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 capital v
U+1D652	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<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 capital w
U+1D653	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<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 capital x
U+1D654	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<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 capital y
U+1D655	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<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 capital z

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D656	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<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 small a
U+1D657	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<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 small b
U+1D658	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<code>\mbfitsansc</code>	mathematical sans-serif bold italic small c
U+1D659	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<code>\mbfitsansd</code>	mathematical sans-serif bold italic small d
U+1D65A	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<code>\mbfitsanse</code>	mathematical sans-serif bold italic small e
U+1D65B	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<code>\mbfitsansf</code>	mathematical sans-serif bold italic small f
U+1D65C	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<code>\mbfitsansg</code>	mathematical sans-serif bold italic small g
U+1D65D	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<code>\mbfitsansh</code>	mathematical sans-serif bold italic small h
U+1D65E	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<code>\mbfitsansi</code>	mathematical sans-serif bold italic small i
U+1D65F	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<code>\mbfitsansj</code>	mathematical sans-serif bold italic small j
U+1D660	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<code>\mbfitsansk</code>	mathematical sans-serif bold italic small k
U+1D661	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<code>\mbfitsansl</code>	mathematical sans-serif bold italic small l
U+1D662	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<code>\mbfitsansm</code>	mathematical sans-serif bold italic small m
U+1D663	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<code>\mbfitsansn</code>	mathematical sans-serif bold italic small n



usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D664	<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>	<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>	<code>\mbfitsanso</code>	mathematical sans-serif bold italic small o
U+1D665	<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>	<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>	<code>\mbfitsansp</code>	mathematical sans-serif bold italic small p
U+1D666	<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>	<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>	<code>\mbfitsansq</code>	mathematical sans-serif bold italic small q
U+1D667	<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>	<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>	<code>\mbfitsansr</code>	mathematical sans-serif bold italic small r
U+1D668	<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>	<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>	<code>\mbfitsanss</code>	mathematical sans-serif bold italic small s
U+1D669	<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>	<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>	<code>\mbfitsanst</code>	mathematical sans-serif bold italic small t
U+1D66A	<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>	<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>	<code>\mbfitsansu</code>	mathematical sans-serif bold italic small u
U+1D66B	<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>	<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>	<code>\mbfitsansv</code>	mathematical sans-serif bold italic small v
U+1D66C	<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>	<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>	<code>\mbfitsansw</code>	mathematical sans-serif bold italic small w
U+1D66D	<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>	<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>	<code>\mbfitsansx</code>	mathematical sans-serif bold italic small x
U+1D66E	<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>	<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>	<code>\mbfitsansy</code>	mathematical sans-serif bold italic small y
U+1D66F	<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>	<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>	<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

### 13.2.17 Bold sans serif Greek, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D756	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</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>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</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>	<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>	<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>	<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>	<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>	<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>	<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>	<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	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D770	α	α	α	α	α	α	α	α	α	α	α	\mbfsansalpha	mathematical sans-serif bold small alpha
U+1D771	β	β	β	β	β	β	β	β	β	β	β	\mbfsansbeta	mathematical sans-serif bold small beta
U+1D772	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	\mbfsansgamma	mathematical sans-serif bold small gamma
U+1D773	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ	\mbfsansdelta	mathematical sans-serif bold small delta
U+1D774	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	\mbfsansvarepsilon	mathematical sans-serif bold small varepsilon
U+1D775	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfsanszeta	mathematical sans-serif bold small zeta
U+1D776	η	η	η	η	η	η	η	η	η	η	η	\mbfsanseta	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	\mbfsanstheta	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι	\mbfsansiota	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	\mbfsanskappa	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	\mbfsanslambda	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	\mbfsansmu	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν	\mbfsansnu	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο	\mbfsansomicron	mathematical sans-serif bold small omicron
U+1D77F	π	π	π	π	π	π	π	π	π	π	π	\mbfsanspi	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfsansrho	mathematical sans-serif bold small rho
U+1D781	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς	\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ	\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ	\mbfsanstau	mathematical sans-serif bold small tau
U+1D784	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ	\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	\mbfsansvarphi	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ	\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfsanspsi	mathematical sans-serif bold small psi
U+1D788	ω	ω	ω	ω	ω	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	ε	ε	ε	ε	ε	\mbfsansepsilon	mathematical sans-serif bold varepsilon symbol
U+1D78B	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω	\mbfsansvarpi	mathematical sans-serif bold pi symbol

### 13.2.19 Bold italic sans serif Greek, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D790	A	A	A	A	A	A	A	A	A	A	A	\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
U+1D791	B	B	B	B	B	B	B	B	B	B	B	\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfitsansDelta	mathematical sans-serif bold italic capital delta
U+1D794	E	E	E	E	E	E	E	E	E	E	E	\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
U+1D796	H	H	H	H	H	H	H	H	H	H	H	\mbfitsansEta	mathematical sans-serif bold italic capital eta
U+1D797	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfitsansTheta	mathematical sans-serif bold italic capital theta
U+1D798	I	I	I	I	I	I	I	I	I	I	I	\mbfitsansIota	mathematical sans-serif bold italic capital iota
U+1D799	K	K	K	K	K	K	K	K	K	K	K	\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
U+1D79A	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfitsansLambda	mathematical sans-serif bold italic capital lambda

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D79B	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<code>\mbfitsansMu</code>	mathematical sans-serif bold italic capital mu
U+1D79C	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<code>\mbfitsansNu</code>	mathematical sans-serif bold italic capital nu
U+1D79D	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<code>\mbfitsansXi</code>	mathematical sans-serif bold italic capital xi
U+1D79E	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<b>Ο</b>	<code>\mbfitsansOmicron</code>	mathematical sans-serif bold italic capital omicron
U+1D79F	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<code>\mbfitsansPi</code>	mathematical sans-serif bold italic capital pi
U+1D7A0	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<b>Ρ</b>	<code>\mbfitsansRho</code>	mathematical sans-serif bold italic capital rho
U+1D7A1	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<code>\mbfitsansvarTheta</code>	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>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<code>\mbfitsansSigma</code>	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>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<b>Τ</b>	<code>\mbfitsansTau</code>	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>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<code>\mbfitsansUpsilon</code>	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>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<code>\mbfitsansPhi</code>	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>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<code>\mbfitsansChi</code>	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>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<code>\mbfitsansPsi</code>	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>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<code>\mbfitsansOmega</code>	mathematical sans-serif bold italic capital omega

### 13.2.20 Bold italic sans serif Greek, lowercase

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7AA	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<code>\mbfitsansalpha</code>	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>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<code>\mbfitsansbeta</code>	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>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<code>\mbfitsansgamma</code>	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>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<code>\mbfitsansdelta</code>	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>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic small varepsilon
U+1D7AF	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<code>\mbfitsanszeta</code>	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>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<code>\mbfitsanseta</code>	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>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<code>\mbfitsanstheta</code>	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>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<code>\mbfitsansiota</code>	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>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<code>\mbfitsanskappa</code>	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>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<code>\mbfitsanslambda</code>	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>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<code>\mbfitsansmu</code>	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>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<code>\mbfitsansnu</code>	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>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<code>\mbfitsansxi</code>	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>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<code>\mbfitsansomicron</code>	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>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<code>\mbfitsanspi</code>	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>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<code>\mbfitsansrho</code>	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>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<code>\mbfitsansvarsigma</code>	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>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<code>\mbfitsanssigma</code>	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>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<code>\mbfitsanstau</code>	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>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<code>\mbfitsansupsilon</code>	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>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<code>\mbfitsansvarphi</code>	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>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<code>\mbfitsanschi</code>	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>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<code>\mbfitsanspsi</code>	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>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<b>ω</b>	<code>\mbfitsansomega</code>	mathematical sans-serif bold italic small omega
U+1D7C3	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<b>∂</b>	<code>\mbfitsanspartial</code>	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>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<code>\mbfitsansepsilon</code>	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<b>ϑ</b>	<code>\mbfitsansvartheta</code>	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>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<code>\mbfitsansvarkappa</code>	mathematical sans-serif bold italic kappa symbol

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7C7	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	<code>\mbfitalsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	<code>\mbfitalsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	<code>\mbfitalsansvarpi</code>	mathematical sans-serif bold italic pi symbol

### 13.3 Miscellaneous

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+000F0	ð	ð	ð	ð	ð	ð	ð	ð	ð	ð	ð	<code>\matheth</code>	eth
U+02010	-	-	-	-	-	-	-	-	-	-	-	<code>\mathhyphen</code>	hyphen
U+02102	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	Ĉ	<code>\BbbC</code>	/bbb c, open face c
U+0210A	g	g	g	g	g	g	g	g	g	g	g	<code>\mscrg</code>	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	<code>\mscrH</code>	hamiltonian (script capital h)
U+0210C	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	<code>\mfracH</code>	/frac h, upper case h
U+0210D	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	Ĥ	<code>\BbbH</code>	/bbb h, open face h
U+0210F	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	ħ	<code>\hslash<sup>(a)</sup></code>	/hslash - variant planck's over 2pi
U+02110	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	<code>\mscrI</code>	/scr i, script letter i
U+02111	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	<code>\Im<sup>(p)</sup></code>	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	<code>\mscrL</code>	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	<code>\ell<sup>(p)</sup></code>	cursive small l
U+02115	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	Ñ	<code>\BbbN</code>	/bbb n, open face n
U+02118	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	<code>\wp<sup>(p)</sup></code>	weierstrass p
U+02119	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	<code>\BbbP</code>	/bbb p, open face p
U+0211A	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	Ɔ	<code>\BbbQ</code>	/bbb q, open face q
U+0211B	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	<code>\mscrR</code>	/scr r, script letter r
U+0211C	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	<code>\Re<sup>(p)</sup></code>	real part
U+0211D	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	℞	<code>\BbbR</code>	/bbb r, open face r
U+02124	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	<code>\BbbZ</code>	/bbb z, open face z
U+02128	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	<code>\mfracZ</code>	/frac z, upper case z
U+02129	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	<code>\turnediota</code>	turned iota
U+0212B	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å	Å	<code>\Angstrom</code>	angstrom capital a, ring
U+0212C	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	<code>\mscrB</code>	bernoulli function (script capital b)
U+0212D	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	Ċ	<code>\mfracC</code>	black-letter capital c
U+0212F	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē	<code>\mscre</code>	/scr e, script letter e
U+02130	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē	ē	<code>\mscrE</code>	/scr e, script letter e
U+02131	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	ƒ	<code>\mscrF</code>	/scr f, script letter f
U+02133	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	ℳ	<code>\mscrM</code>	physics m-matrix (script capital m)
U+02134	o	o	o	o	o	o	o	o	o	o	o	<code>\mscro</code>	order of (script small o)
U+02135	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	ℵ	<code>\aleph<sup>(p)</sup></code>	aleph, hebrew
U+02136	beth	beth	beth	beth	beth	beth	beth	beth	beth	beth	beth	<code>\beth<sup>(a)</sup></code>	beth, hebrew
U+02137	gimel	gimel	gimel	gimel	gimel	gimel	gimel	gimel	gimel	gimel	gimel	<code>\gimel<sup>(a)</sup></code>	gimel, hebrew
U+02138	daleth	daleth	daleth	daleth	daleth	daleth	daleth	daleth	daleth	daleth	daleth	<code>\daleth<sup>(a)</sup></code>	daleth, hebrew
U+0213D	γγ	γγ	γγ	γγ	γγ	γγ	γγ	γγ	γγ	γγ	γγ	<code>\Bbbgamma</code>	double-struck small gamma
U+0213E	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	ΓΓ	<code>\BbbGamma</code>	double-struck capital gamma
U+0213F	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	ΠΠ	<code>\BbbPi</code>	double-struck capital pi
U+02202	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂	<code>\partial<sup>(p)</sup></code>	partial differential
U+02207	∇	∇	∇	∇	∇	∇	∇	∇	∇	∇	∇	<code>\nabla<sup>(p)</sup></code>	nabla, del, hamilton operator
U+1D6A4	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	ı̇	<code>\imath<sup>(p)</sup></code>	mathematical italic small dotless i

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D6A5	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\jmath<sup>(p)</sup></code>	mathematical italic small dotless j
U+1D6C1	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfnabla</code>	mathematical bold nabla
U+1D6FB	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<code>\mitnabla</code>	mathematical italic nabla
U+1D735	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfitnabla</code>	mathematical bold italic nabla
U+1D76F	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfsansnabla</code>	mathematical sans-serif bold nabla
U+1D7A9	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfitsansnabla</code>	mathematical sans-serif bold italic nabla
U+1D7CA	<b>F</b>	<b>F</b>				<b>F</b>	<b>F</b>					<code>\mbfDigamma</code>	mathematical bold capital digamma
U+1D7CB	<b>F</b>	<i>F</i>				<b>f</b>	<i>f</i>					<code>\mbfdigamma</code>	mathematical bold small digamma