

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

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

M **Latin Modern Math** (1357)

X **XITS Math** (2437)

C **Cambria Math** (1598)

L **Lucida Math** (1953)

D **Lucida Math Demibold** (1365)

A **Asana Math** (2256)

P **TeX Gyre Pagella Math** (1612)

E **Neo Euler** (411)

Symbols defined in Plain  $\TeX$  are indicated with <sup>(p)</sup> after their macro name. Symbols defined in `amssymb` are indicated with <sup>(a)</sup>.

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# 1 Opening symbols, \mathopen

USV	M	X	C	L	D	A	P	E	Macro	Description
00028	(	(	(	(	(	(	(	(	\lparen	left parenthesis
0005B	[	[	[	[	[	[	[	[	\lbrack	left square bracket
0007B	{	{	{	{	{	{	{	{	\lbrace <sup>(p)</sup>	left curly bracket
0221A	✓	✓	✓	✓	✓	✓	✓	✓	\sqrt <sup>(p)</sup>	radical
0221B		√	√	√	√	√	√		\cuberoot	cube root
0221C		√	√	√	√	√	√		\fourthroot	fourth root
02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil <sup>(p)</sup>	left ceiling
0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor <sup>(p)</sup>	left floor
0231C	⌑	⌑				⌑	⌑		\ulcorner	upper left corner
0231E	⌐	⌐				⌐	⌐		\llcorner	lower left corner
023B0		⌋	⌋						\lmoustache <sup>(p)</sup>	upper left or lower right curly bracket section
02772		⌋							\lbrbrak	light left tortoise shell bracket ornament
027C5		⌋				⌋			\lbag	left s-shaped bag delimiter
027CC		⌋							\longdivision	long division
027E6	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lBrack	mathematical left white square bracket
027E8	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\langle <sup>(p)</sup>	mathematical left angle bracket
027EA	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lAngle	mathematical left double angle bracket
027EC		⌈				⌈			\lbrbrak	mathematical left white tortoise shell bracket
027EE	(	(				(	(	(	\lgroup <sup>(p)</sup>	mathematical left flattened parenthesis
02983		⌈				⌈			\lBrace	left white curly bracket
02985		⌈				⌈			\lParen	left white parenthesis
02987		⌈				⌈			\llparenthesis	z notation left image bracket
02989		⌈				⌈			\llangle	z notation left binding bracket
0298B		⌈				⌈			\lbrackubar	left square bracket with underbar
0298D		⌈				⌈			\lbrackultick	left square bracket with tick in top corner
0298F		⌈				⌈			\lbracklltick	left square bracket with tick in bottom corner
02991		⌈				⌈			\langedot	left angle bracket with dot
02993		⌈				⌈			\lparenless	left arc less-than bracket
02995		⌈				⌈			\Lparengtr	double left arc greater-than bracket
02997		⌈				⌈			\lblkbrbrak	left black tortoise shell bracket
029D8		⌈				⌈			\lvzigzag	left wiggly fence
029DA		⌈				⌈			\Lvzigzag	left double wiggly fence
029FC		⌈				⌈			\lcurvyangle	left pointing curved angle bracket
03014		⌈				⌈			\lbrbrak	left broken bracket
03018		⌈				⌈			\Lbrbrak	left white tortoise shell bracket

## 2 Closing symbols, \mathclose

USV	M	X	C	L	D	A	P	E	Macro	Description
00029	)	)	)	)	)	)	)	)	\rparen	right parenthesis
0005D	]	]	]	]	]	]	]	]	\rbrack	right square bracket
0007D	}	}	}	}	}	}	}	}	\rbrace <sup>(p)</sup>	right curly bracket
02309	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\rceil <sup>(p)</sup>	right ceiling
0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rfloor <sup>(p)</sup>	right floor
0231D	⌞	⌞				⌞	⌞		\urcorner	upper right corner
0231F	⌟	⌟				⌟	⌟		\lrcorner	lower right corner
023B1		)	⌋						\rmoustache <sup>(p)</sup>	upper right or lower left curly bracket section
02773		⌋							\rbrbrak	light right tortoise shell bracket ornament
027C6		⌋				⌋			\rbag	right s-shaped bag delimiter
027E7	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\RBrack	mathematical right white square bracket
027E9	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rangle <sup>(p)</sup>	mathematical right angle bracket
027EB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rAngle	mathematical right double angle bracket
027ED		⌋				⌋			\Rbrbrak	mathematical right white tortoise shell bracket
027EF	)	)				)	)		\rgroup <sup>(p)</sup>	mathematical right flattened parenthesis
02984		⌋				⌋			\RBrace	right white curly bracket
02986		)				)			\rParen	right white parenthesis
02988		)				)			\rrparenthesis	z notation right image bracket
0298A		)				)			\rrangle	z notation right binding bracket
0298C		⌋				⌋			\rbrackubar	right square bracket with underbar
0298E		⌋				⌋			\rbracklrtick	right square bracket with tick in bottom corner
02990		⌋				⌋			\rbrackurtick	right square bracket with tick in top corner
02992		⌋				⌋			\rangledot	right angle bracket with dot
02994		⌋				⌋			\rpargtr	right arc greater-than bracket
02996		⌋				⌋			\Rparenless	double right arc less-than bracket
02998		)				)			\rblbrbrak	right black tortoise shell bracket
029D9		⌋				⌋			\rvzigzag	right wiggly fence
029DB		⌋				⌋			\Rvzigzag	right double wiggly fence
029FD		⌋	⌋			⌋			\rcurvyangle	right pointing curved angle bracket
03015			⌋			⌋			\rbrbrak	right broken bracket
03019						⌋			\Rbrbrak	right white tortoise shell bracket

### 3 Fence symbols, `\mathfence`

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

### 4 Punctuation symbols, `\mathpunct`

USV	M	X	C	L	D	A	P	E	Macro	Description
00021	!	!	!	!	!	!	!	!	<code>\exclam</code>	exclamation mark
0002C	,	,	,	,	,	,	,	,	<code>\comma</code>	comma
0003A	:	:	:	:	:	:	:	:	<code>\mathcolon</code>	colon
0003B	;	;	;	;	;	;	;	;	<code>\semicolon</code>	semicolon p:

### 5 ‘Over’ symbols, `\mathover`

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

### 6 ‘Under’ symbols, `\mathunder`

USV	M	X	C	L	D	A	P	E	Macro	Description
023B5	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$			$\underline{x+y}$	$\underline{x+y}$		<code>\underbracket</code>	bottom square bracket
023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$		$\underparen{x+y}$	$\underparen{x+y}$		<code>\underparen</code>	bottom parenthesis (mathematical use)
023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$		$\underbrace{x+y}$	$\underbrace{x+y}$		<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	M	X	C	L	D	A	P	E	Macro	Description
00300	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$	$\grave{x}$		<code>\grave{grave}^{(p)}</code>	grave accent
00301	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$	$\acute{x}$		<code>\acute{acute}^{(p)}</code>	acute accent
00302	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{x}$	$\hat{\text{H}}$	<code>\hat{hat}^{(p)}</code>	circumflex accent
00303	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$	$\tilde{x}$		<code>\tilde{tilde}^{(p)}</code>	tilde
00304	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$		<code>\bar{bar}^{(p)}</code>	macron
00305	$\overline{x}$	$\overline{x}$	$\overline{x}$			$\overline{x}$	$\overline{x}$		<code>\overbar</code>	overbar embellishment
00306	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$	$\breve{x}$		<code>\breve{breve}^{(p)}</code>	breve
00307	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$	$\dot{x}$		<code>\dot{dot}^{(p)}</code>	dot above
00308	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$	$\ddot{x}$		<code>\ddot{ddot}^{(p)}</code>	dieresis
00309	$\textcircled{x}$	$\textcircled{x}$	$\textcircled{x}$			$\textcircled{x}$	$\textcircled{x}$		<code>\ovhook</code>	combining hook above
0030A	$\textcirccirc{x}$	$\textcirccirc{x}$	$\textcirccirc{x}$	$\textcirccirc{x}$	$\textcirccirc{x}$	$\textcirccirc{x}$	$\textcirccirc{x}$		<code>\ocirc</code>	ring
0030C	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$	$\check{x}$		<code>\check{check}^{(p)}</code>	caron
00310		$\candra{x}$	$\candra{x}$						<code>\candra</code>	candrabindu (non-spacing)
00312		$\text{turnedcomma}$	$\text{turnedcomma}$						<code>\oturnedcomma</code>	combining turned comma above
00315		$\text{commatopright}$	$\text{commatopright}$						<code>\ocommatopright</code>	combining comma above right
0031A		$\text{droang}$	$\text{droang}$						<code>\droang</code>	left angle above (non-spacing)
00338	$\text{not}^{(p)}$	$\text{not}^{(p)}$	$\text{not}^{(p)}$	$\text{not}^{(p)}$		$\text{not}^{(p)}$	$\text{not}^{(p)}$		<code>\not{not}^{(p)}</code>	combining long solidus overlay
020D0	$\lefttharpoonup{x}$	$\lefttharpoonup{x}$	$\lefttharpoonup{x}$	$\lefttharpoonup{x}$		$\lefttharpoonup{x}$	$\lefttharpoonup{x}$		<code>\leftharpoonupaccent</code>	combining left harpoon above
020D1	$\rightarrowtharpoonup{x}$	$\rightarrowtharpoonup{x}$	$\rightarrowtharpoonup{x}$	$\rightarrowtharpoonup{x}$		$\rightarrowtharpoonup{x}$	$\rightarrowtharpoonup{x}$		<code>\rightharpoonupaccent</code>	combining right harpoon above
020D2		$\text{vertoverlay}$	$\text{vertoverlay}$			$\text{vertoverlay}$	$\text{vertoverlay}$		<code>\vertoverlay</code>	combining long vertical line overlay
020D6	$\overleftarrow{x}$	$\overleftarrow{x}$	$\overleftarrow{x}$	$\overleftarrow{x}$	$\overleftarrow{x}$	$\overleftarrow{x}$	$\overleftarrow{x}$		<code>\overleftarrow{arrow}^{(p)}</code>	combining left arrow above
020D7	$\overrightarrow{x}$	$\overrightarrow{x}$	$\overrightarrow{x}$	$\overrightarrow{x}$	$\overrightarrow{x}$	$\overrightarrow{x}$	$\overrightarrow{x}$		<code>\vec{vec}^{(p)}</code>	combining right arrow above
020DB	$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$		$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$		<code>\dddots</code>	combining three dots above
020DC	$\overline{\overline{\overline{\overline{\overline{x}}}}}$	$\overline{\overline{\overline{\overline{\overline{x}}}}}$	$\overline{\overline{\overline{\overline{\overline{x}}}}}$	$\overline{\overline{\overline{\overline{\overline{x}}}}}$		$\overline{\overline{\overline{\overline{\overline{x}}}}}$	$\overline{\overline{\overline{\overline{\overline{x}}}}}$		<code>\ddddots</code>	combining four dots above
020E1	$\overrightarrow{\overleftarrow{x}}$	$\overrightarrow{\overleftarrow{x}}$	$\overrightarrow{\overleftarrow{x}}$	$\overrightarrow{\overleftarrow{x}}$		$\overrightarrow{\overleftarrow{x}}$	$\overrightarrow{\overleftarrow{x}}$		<code>\overleftarrow{\rightarrow}</code>	combining left right arrow above
020E7		$\text{annuity}$	$\text{annuity}$			$\text{annuity}$	$\text{annuity}$		<code>\annuity</code>	combining annuity symbol
020E9	$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$			$\overline{\overline{\overline{x}}}$	$\overline{\overline{\overline{x}}}$		<code>\widebridgeabove</code>	combining wide bridge above
020F0		$\text{asteraccent}$	$\text{asteraccent}$			$\text{asteraccent}$	$\text{asteraccent}$		<code>\asteraccent</code>	combining asterisk above










































































## 8 Bottom accents, \mathbotaccent

USV	M	X	C	L	D	A	P	E	Macro	Description
00330	$\text{widetilde}$	$\text{widetilde}$	$\text{widetilde}$				$\text{widetilde}$		<code>\widetilde</code>	under tilde accent (multiple characters and non-spacing)
00331	$\text{underbar}$	$\text{underbar}$	$\text{underbar}$				$\text{underbar}$		<code>\underbar</code>	combining macron below
020E8		$\text{threeunderdot}$	$\text{threeunderdot}$	$\text{threeunderdot}$		$\text{threeunderdot}$	$\text{threeunderdot}$		<code>\threeunderdot</code>	combining triple underdot
020EC		$\text{underrightharpoondown}$	$\text{underrightharpoondown}$	$\text{underrightharpoondown}$		$\text{underrightharpoondown}$	$\text{underrightharpoondown}$		<code>\underrightharpoondown</code>	combining rightwards harpoon with barb downwards
020ED		$\text{underleftharpoondown}$	$\text{underleftharpoondown}$	$\text{underleftharpoondown}$		$\text{underleftharpoondown}$	$\text{underleftharpoondown}$		<code>\underleftharpoondown</code>	combining leftwards harpoon with barb downwards
020EE	$\text{underleftarrow}$	$\text{underleftarrow}$	$\text{underleftarrow}$	$\text{underleftarrow}$		$\text{underleftarrow}$	$\text{underleftarrow}$		<code>\underleftarrow</code>	combining left arrow below
020EF	$\text{underrightarrow}$	$\text{underrightarrow}$	$\text{underrightarrow}$	$\text{underrightarrow}$		$\text{underrightarrow}$	$\text{underrightarrow}$		<code>\underrightarrow</code>	combining right arrow below








































































## 9 Big operators, \mathop




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

usv	M	X	C	L	D	A	P	E	Macro	Description
02140	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$			$\sum_0^1$	$\sum_0^1$		\Bbbsum	double-struck n-ary summation
0220F	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	$\prod_0^1$	\prod <sup>(p)</sup>	product operator
02210	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	$\coprod_0^1$	\coprod <sup>(p)</sup>	coproduct operator
02211	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	$\sum_0^1$	\sum <sup>(p)</sup>	summation operator
0222B	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	\int <sup>(p)</sup>	integral operator
0222C		$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	$\iint_0^1$	\iint	double integral operator
0222D		$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	$\iiint_0^1$	\iiint	triple integral operator
0222E	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	\oint <sup>(p)</sup>	contour integral operator
0222F		$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1$	\oiint	double contour integral operator
02230		$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	$\oiiint_0^1$	\oiiint	triple contour integral operator
02231		$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	$\int_0^1$	\intclockwise	clockwise integral
02232		$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	\varointclockwise	contour integral, clockwise
02233		$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	$\oint_0^1$	\ointctrackwise	contour integral, anticlockwise
022C0	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	$\bigwedge_0^1$	\bigwedge <sup>(p)</sup>	logical or operator
022C1	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	$\bigvee_0^1$	\bigvee <sup>(p)</sup>	logical and operator
022C2	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	$\bigcap_0^1$	\bigcap <sup>(p)</sup>	intersection operator
022C3	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	$\bigcup_0^1$	\bigcup <sup>(p)</sup>	union operator
027D5		$\leftthreetimes_0^1$				$\leftthreetimes_0^1$			\leftouterjoin	left outer join

























































































































































































































































































































USV	M	X	C	L	D	A	P	E	Macro	Description
027D6									<code>\rightouterjoin</code>	right outer join
027D7									<code>\fullouterjoin</code>	full outer join
027D8									<code>\bigbot</code>	large up tack
027D9									<code>\bigtop</code>	large down tack
029F8									<code>\xsol</code>	big solidus
029F9									<code>\xbsol</code>	big reverse solidus
02A00									<code>\bigodot<sup>(p)</sup></code>	n-ary circled dot operator
02A01									<code>\bigoplus<sup>(p)</sup></code>	n-ary circled plus operator
02A02									<code>\bigotimes<sup>(p)</sup></code>	n-ary circled times operator
02A03									<code>\bigcupdot</code>	n-ary union operator with dot
02A04									<code>\biguplus<sup>(p)</sup></code>	n-ary union operator with plus
02A05									<code>\bigsqcap</code>	n-ary square intersection operator
02A06									<code>\bigsqcup<sup>(p)</sup></code>	n-ary square union operator
02A07									<code>\conjquant</code>	two logical and operator
02A08									<code>\disjquant</code>	two logical or operator
02A09									<code>\bigtimes</code>	n-ary times operator
02A0A									<code>\modtwosum</code>	modulo two sum
02A0B									<code>\sumint</code>	summation with integral



USV	M	X	C	L	D	A	P	E	Macro	Description
02A0C									<code>\iiint</code>	quadruple integral operator
02A0D									<code>\intbar</code>	finite part integral
02A0E									<code>\intBar</code>	integral with double stroke
02A0F									<code>\fint</code>	integral average with slash
02A10									<code>\cirfnint</code>	circulation function
02A11									<code>\awint</code>	anticlockwise integration
02A12									<code>\rppoint</code>	line integration with rectangular path around
02A13									<code>\scpoint</code>	line integration with semicircular path around
02A14									<code>\npoint</code>	line integration not including the pole
02A15									<code>\pointint</code>	integral around a point operator
02A16									<code>\sqint</code>	quaternion integral operator
02A17									<code>\intlarhk</code>	integral with leftwards arrow with hook
02A18									<code>\intx</code>	integral with times sign
02A19									<code>\intcap</code>	integral with intersection
02A1A									<code>\intcup</code>	integral with union
02A1B									<code>\upint</code>	integral with overbar
02A1C									<code>\lowint</code>	integral with underbar
02A1D									<code>\Join</code>	join
02A1E									<code>\bigtriangleleft</code>	large left triangle operator
02A1F									<code>\zcmp</code>	z notation schema composition
02A20									<code>\zpipe</code>	z notation schema piping
02A21									<code>\zproject</code>	z notation schema projection
02AFC									<code>\biginterleave</code>	large triple vertical bar operator

USV	M	X	C	L	D	A	P	E	Macro	Description
02AFF									<code>\bigtalloblong</code>	n-ary white vertical bar

## 10 Binary relations, `\mathbin`

USV	M	X	C	L	D	A	P	E	Macro	Description
0002B									<code>\plus</code>	plus sign b:
000B1									<code>\pm<sup>(p)</sup></code>	plus-or-minus sign
000B7									<code>\cdotp<sup>(p)</sup></code>	/centerdot b: middle dot
000D7									<code>\times<sup>(p)</sup></code>	multiply sign
000F7									<code>\div<sup>(p)</sup></code>	divide sign
02020									<code>\dagger<sup>(p)</sup></code>	dagger relation
02021									<code>\ddagger<sup>(p)</sup></code>	double dagger relation
02022									<code>\smblkcircle</code>	/bullet b: round bullet, filled
02040									<code>\tieconcat</code>	character tie, z notation sequence concatenation
02044									<code>\fraclash</code>	fraction slash
0214B									<code>\upand</code>	turned ampersand
02212									<code>\minus</code>	minus sign
02213									<code>\mp<sup>(p)</sup></code>	minus-or-plus sign
02214									<code>\dotplus<sup>(a)</sup></code>	plus sign, dot above
02215									<code>\divslash</code>	division slash
02216									<code>\smallsetminus<sup>(a)</sup></code>	small set minus (cf. reverse solidus)
02217									<code>\ast<sup>(p)</sup></code>	centered asterisk
02218									<code>\vysmwhtcircle</code>	composite function (small circle)
02219									<code>\vysmbkcircle</code>	bullet operator
02227									<code>\wedge<sup>(p)</sup></code>	/wedge /land b: logical and
02228									<code>\vee<sup>(p)</sup></code>	/vee /lor b: logical or
02229									<code>\cap<sup>(p)</sup></code>	intersection
0222A									<code>\cup<sup>(p)</sup></code>	union or logical sum
02238									<code>\dotminus</code>	minus sign, dot above
0223E									<code>\invlazys</code>	most positive [inverted lazy s]
02240									<code>\wr<sup>(p)</sup></code>	wreath product
0228C									<code>\cupleftarrow</code>	multiset
0228D									<code>\cupdot</code>	union, with dot
0228E									<code>\uplus<sup>(p)</sup></code>	plus sign in union
02293									<code>\sqcap<sup>(p)</sup></code>	square intersection
02294									<code>\sqcup<sup>(p)</sup></code>	square union
02295									<code>\oplus<sup>(p)</sup></code>	plus sign in circle
02296									<code>\ominus<sup>(p)</sup></code>	minus sign in circle
02297									<code>\otimes<sup>(p)</sup></code>	multiply sign in circle
02298									<code>\oslash<sup>(p)</sup></code>	solidus in circle
02299									<code>\odot<sup>(p)</sup></code>	middle dot in circle
0229A									<code>\circledcirc<sup>(a)</sup></code>	small circle in circle
0229B									<code>\circledast<sup>(a)</sup></code>	asterisk in circle
0229C									<code>\circledequal</code>	equal in circle

USV	M	X	C	L	D	A	P	E	Macro	Description
0229D		⊖	⊖	⊖	⊖	⊖	⊖		<code>\circleddash<sup>(a)</sup></code>	hyphen in circle
0229E	⊞	⊞	⊞	⊞	⊞	⊞	⊞		<code>\boxplus<sup>(a)</sup></code>	plus sign in box
0229F	⊟	⊟	⊟	⊟	⊟	⊟	⊟		<code>\boxminus<sup>(a)</sup></code>	minus sign in box
022A0	⊠	⊠	⊠	⊠	⊠	⊠	⊠		<code>\boxtimes<sup>(a)</sup></code>	multiply sign in box
022A1	⊡	⊡	⊡	⊡	⊡	⊡	⊡		<code>\boxdot<sup>(a)</sup></code>	/dotsquare /boxdot b: small dot in box
022BA	⌞	⌞	⌞	⌞	⌞	⌞	⌞		<code>\intercal<sup>(a)</sup></code>	intercal
022BB	⌵	⌵	⌵	⌵	⌵	⌵	⌵		<code>\veebar<sup>(a)</sup></code>	logical or, bar below (large vee); exclusive disjunction
022BC	⌶	⌶	⌶	⌶	⌶	⌶	⌶		<code>\barwedge<sup>(a)</sup></code>	bar, wedge (large wedge)
022BD		⌷	⌷	⌷	⌷	⌷	⌷		<code>\barvee</code>	bar, vee (large vee)
022C4	◇	◇	◇	◇	◇	◇	◇		<code>\smwhtdiamond</code>	white diamond
022C5	⋅	⋅	⋅	⋅	▪	⋅	⋅		<code>\cdot<sup>(p)</sup></code>	small middle dot
022C6	★	★	★	★	★	★	★		<code>\star<sup>(p)</sup></code>	small star, filled, low
022C7	⋈	⋈	⋈	⋈	⋈	⋈	⋈		<code>\divideontimes<sup>(a)</sup></code>	division on times
022C9	⋌	⋌	⋌	⋌	⋌	⋌			<code>\ltimes<sup>(a)</sup></code>	times sign, left closed
022CA	⋍	⋍	⋍	⋍	⋍	⋍			<code>\rtimes<sup>(a)</sup></code>	times sign, right closed
022CB	⋎	⋎	⋎	⋎	⋎	⋎			<code>\leftthreetimes<sup>(a)</sup></code>	left semidirect product
022CC	⋏	⋏	⋏	⋏	⋏	⋏			<code>\rightthreetimes<sup>(a)</sup></code>	right semidirect product
022CE	⋐	⋐	⋐	⋐	⋐	⋐	⋐		<code>\curlyvee<sup>(a)</sup></code>	curly logical or
022CF	⋑	⋑	⋑	⋑	⋑	⋑	⋑		<code>\curlywedge<sup>(a)</sup></code>	curly logical and
022D2	⋓	⋓	⋓	⋓	⋓	⋓	⋓		<code>\Cap<sup>(a)</sup></code>	/cap /doublecap b: double intersection
022D3	⋔	⋔	⋔	⋔	⋔	⋔	⋔		<code>\Cup<sup>(a)</sup></code>	/cup /doublecup b: double union
02305		⌶		⌶		⌶	⌶		<code>\varbarwedge</code>	/barwedge b: logical and, bar above [projective (bar over small wedge)]
02306	⌷	⌷		⌷	⌷	⌷	⌷		<code>\vardoublebarwedge</code>	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
0233D		⊖				⊖			<code>\obar</code>	circle with vertical bar
025B3	△	△	△	△	△	△	△		<code>\bigtriangleup<sup>(p)</sup></code>	big up triangle, open
025B7	▷	▷		▷		▷	▷		<code>\triangleright<sup>(p)</sup></code>	(large) right triangle, open; z notation range restriction
025C1	◁	◁		◁		◁	◁		<code>\triangleleft<sup>(p)</sup></code>	(large) left triangle, open; z notation domain restriction
025CB	◯	◯		◯	◯	◯	◯		<code>\mdlgwhtcircle</code>	medium large circle
025EB		⊞		⊞		⊞			<code>\boxbar</code>	vertical bar in box
027C7		⌵				⌵			<code>\veedot</code>	or with dot inside
027D1		⌶				⌶			<code>\wedgedot</code>	and with dot
027E0		◊				◊	◊		<code>\lozengeminus</code>	lozenge divided by horizontal rule
027E1		◊	◊			◊	◊		<code>\concavediamond</code>	white concave-sided diamond
027E2		◊				◊	◊		<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
027E3		◊				◊	◊		<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick
027E4		◻				◻			<code>\whitesquaretickleft</code>	white square with leftwards tick
027E5		◻				◻			<code>\whitesquaretickright</code>	white square with rightwards tick
02982		⋈				⋈			<code>\typecolon</code>	z notation type colon
029B5		⊖				⊖			<code>\circlehbar</code>	circle with horizontal bar
029B6		⊖				⊖			<code>\circledvert</code>	circled vertical bar
029B7		⊞				⊞			<code>\circledparallel</code>	circled parallel
029B8		⊗				⊗			<code>\obslash</code>	circled reverse solidus
029B9		⊥				⊥			<code>\operp</code>	circled perpendicular
029C0		⊗				⊗			<code>\olessthan</code>	circled less-than
029C1		⊗				⊗			<code>\ogreaterthan</code>	circled greater-than
029C4		⊞				⊞			<code>\boxdiag</code>	squared rising diagonal slash
029C5		⊟				⊟			<code>\boxbslash</code>	squared falling diagonal slash
029C6		⊠				⊠			<code>\boxast</code>	squared asterisk
029C7		⊡				⊡			<code>\boxcircle</code>	squared small circle

usv	M	X	C	L	D	A	P	E	Macro	Description
029C8									<code>\boxbox</code>	squared square
029CD									<code>\triangleaserifs</code>	triangle with serifs at bottom
029D6									<code>\hourglass</code>	white hourglass
029D7									<code>\blackhourglass</code>	black hourglass
029E2									<code>\shuffle</code>	shuffle product
029EB									<code>\mdlgblklozenge</code>	black lozenge
029F5									<code>\setminus<sup>(P)</sup></code>	reverse solidus operator
029F6									<code>\dsol</code>	solidus with overbar
029F7									<code>\rsolbar</code>	reverse solidus with horizontal stroke
029FA									<code>\doubleplus</code>	double plus
029FB									<code>\tripleplus</code>	triple plus
029FE									<code>\tplus</code>	tiny
029FF									<code>\tminus</code>	miny
02A22									<code>\ringplus</code>	plus sign with small circle above
02A23									<code>\plushat</code>	plus sign with circumflex accent above
02A24									<code>\simplus</code>	plus sign with tilde above
02A25									<code>\plusdot</code>	plus sign with dot below
02A26									<code>\plussim</code>	plus sign with tilde below
02A27									<code>\plussubtwo</code>	plus sign with subscript two
02A28									<code>\plustrif</code>	plus sign with black triangle
02A29									<code>\commaminus</code>	minus sign with comma above
02A2A									<code>\minusdot</code>	minus sign with dot below
02A2B									<code>\minusfdots</code>	minus sign with falling dots
02A2C									<code>\minusrdots</code>	minus sign with rising dots
02A2D									<code>\opluslhrim</code>	plus sign in left half circle
02A2E									<code>\oplusrhrim</code>	plus sign in right half circle
02A2F									<code>\vectimes</code>	vector or cross product
02A30									<code>\dottimes</code>	multiplication sign with dot above
02A31									<code>\timesbar</code>	multiplication sign with underbar
02A32									<code>\btimes</code>	semidirect product with bottom closed
02A33									<code>\smashtimes</code>	smash product
02A34									<code>\otimeslhrim</code>	multiplication sign in left half circle
02A35									<code>\otimesrhrim</code>	multiplication sign in right half circle
02A36									<code>\otimeseshat</code>	circled multiplication sign with circumflex accent
02A37									<code>\Otimes</code>	multiplication sign in double circle
02A38									<code>\odiv</code>	circled division sign
02A39									<code>\triangleplus</code>	plus sign in triangle
02A3A									<code>\triangleminus</code>	minus sign in triangle
02A3B									<code>\triangletimes</code>	multiplication sign in triangle
02A3C									<code>\intprod</code>	interior product
02A3D									<code>\intprodr</code>	righthand interior product
02A3E									<code>\fcmp</code>	z notation relational composition
02A3F									<code>\amalg<sup>(P)</sup></code>	amalgamation or coproduct
02A40									<code>\capdot</code>	intersection with dot
02A41									<code>\uminus</code>	union with minus sign
02A42									<code>\barcup</code>	union with overbar
02A43									<code>\barcap</code>	intersection with overbar
02A44									<code>\capwedge</code>	intersection with logical and
02A45									<code>\cupvee</code>	union with logical or
02A46									<code>\cupovercap</code>	union above intersection

USV	M	X	C	L	D	A	P	E	Macro	Description
02A47									<code>\capovercup</code>	intersection above union
02A48									<code>\cupbarcap</code>	union above bar above intersection
02A49									<code>\capbarcup</code>	intersection above bar above union
02A4A									<code>\twocups</code>	union beside and joined with union
02A4B									<code>\twocaps</code>	intersection beside and joined with intersection
02A4C									<code>\closedvarcup</code>	closed union with serifs
02A4D									<code>\closedvarcap</code>	closed intersection with serifs
02A4E									<code>\Sqcap</code>	double square intersection
02A4F									<code>\Sqcup</code>	double square union
02A50									<code>\closedvarcupsmashprod</code>	closed union with serifs and smash product
02A51									<code>\wedgeeodot</code>	logical and with dot above
02A52									<code>\veeodot</code>	logical or with dot above
02A53									<code>\Wedge</code>	double logical and
02A54									<code>\Vee</code>	double logical or
02A55									<code>\wedgonwedge</code>	two intersecting logical and
02A56									<code>\veeonvee</code>	two intersecting logical or
02A57									<code>\bigslowedvee</code>	sloping large or
02A58									<code>\bigslowedwedge</code>	sloping large and
02A5A									<code>\wedgemidvert</code>	logical and with middle stem
02A5B									<code>\veemidvert</code>	logical or with middle stem
02A5C									<code>\midbarwedge</code>	logical and with horizontal dash
02A5D									<code>\midbarvee</code>	logical or with horizontal dash
02A5E									<code>\doublebarwedge<sup>(a)</sup></code>	logical and with double overbar
02A5F									<code>\wedgeebar</code>	logical and with underbar
02A60									<code>\wedgedoublebar</code>	logical and with double underbar
02A61									<code>\varveebar</code>	small vee with underbar
02A62									<code>\doublebarvee</code>	logical or with double overbar
02A63									<code>\veedoublebar</code>	logical or with double underbar
02A64									<code>\dsub</code>	z notation domain antirestriction
02A65									<code>\rsub</code>	z notation range antirestriction
02A71									<code>\eqqplus</code>	equals sign above plus sign
02A72									<code>\pluseqq</code>	plus sign above equals sign
02AF4									<code>\interleave</code>	triple vertical bar binary relation
02AF5									<code>\nhVvert</code>	triple vertical bar with horizontal stroke
02AF6									<code>\threedotcolon</code>	triple colon operator
02AFB									<code>\trslash</code>	triple solidus binary relation
02AFD									<code>\sslash</code>	double solidus operator
02AFE									<code>\talloblong</code>	white vertical bar

## 11 Ordinary symbols, \mathord

USV	M	X	C	L	D	A	P	E	Macro	Description
00023	#	#	#	#	#	#	#		\octothorpe	number sign
00024	\$	\$	\$	\$	\$	\$	\$		\mathdollar	dollar sign
00025	%	%	%	%	%	%	%		\percent	percent sign
00026	&	&	&	&	&	&	&	&	\ampersand	ampersand
0002E	.	.	.	.	.	.	.	.	\period	full stop, period
0002F	/	/	/	/	/	/	/	/	\mathslash	solidus
0003F	?	?	?	?	?	?	?	?	\question	question mark
00040	@	@	@	@	@	@	@		\atsign	commercial at
0005C	\	\	\	\	\	\	\	\	\backslash <sup>(p)</sup>	reverse solidus
000A3	£	£	£	£	£	£	£		\sterling	pound sign
000A5	¥	¥	¥	¥	¥	¥	¥		\yen	yen sign
000AC	¬	¬	¬	¬	¬	¬	¬	¬	\neg <sup>(p)</sup>	/neg /Inot not sign
001B5		Z							\Zbar	impedance (latin capital letter z with stroke)
003D8		Ϟ	Ϟ						\upoldKoppa	greek letter archaic koppa
003D9		ϟ	ϟ						\upoldkoppa	greek small letter archaic koppa
003F6		ϙ	ϙ						\upbackepsilon	greek reversed lunate epsilon symbol
02015		—	—			—	—		\horizbar	horizontal bar
02017		=				=	=		\twowline	double low line (spacing)
02025		..				..	..		\enleadertwodots	double baseline dot (en leader)
02026	...	...	...	...		...	...		\unicodeellipsis	ellipsis (horizontal)
02032	'	'	'	'	'	'	'		\prime <sup>(p)</sup>	prime or minute, not superscripted
02033	"	"	"	"	"	"	"		\dprime	double prime or second, not superscripted
02034	'''	'''	'''	'''	'''	'''	'''		\trprime	triple prime (not superscripted)
02035	\	\		\	\	\	\		\backprime <sup>(a)</sup>	reverse prime, not superscripted
02036		''		''	''	''	''		\backdprime	double reverse prime, not superscripted
02037		'''		'''	'''	'''	'''		\backtrprime	triple reverse prime, not superscripted
02038		^							\caretinsert	caret (insertion mark)
0203C		!!	!!	!!		!!			\Exclam	double exclamation mark
02043		■							\hyphenbullet	rectangle, filled (hyphen bullet)
02047		??		??					\Question	double question mark
02057		''''	''''	''''	''''	''''	''''		\qprime	quadruple prime, not superscripted
020AC	€	€	€	€		€	€		\euro	euro sign
020DD		◯	◯			◯	◯		\enclosecircle	combining enclosing circle
020DE		◻	◻			◻	◻		\enclosesquare	combining enclosing square
020DF		◊	◊			◊	◊		\enclosediamond	combining enclosing diamond
020E4		△				△	△		\enclosetriangle	combining enclosing upward pointing triangle
02107		ε	ε	ε	ε	ε	ε		\Eulerconst	euler constant
0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ		\Planckconst	planck constant
02127	℧	℧	℧	℧	℧	℧	℧		\mho	conductance
02132		ƒ	ƒ	ƒ	ƒ	ƒ			\Finv <sup>(a)</sup>	turned capital f
0213C	ℙ	ℙ				π	ℙ		\Bbbpi	double-struck small pi
02141		ɢ	ɢ			ɢ			\Game <sup>(a)</sup>	turned sans-serif capital g
02142		ℓ	ℓ			ℓ			\sansLturned	turned sans-serif capital l
02143		ℓ	ℓ			ℓ			\sansLmirrored	reversed sans-serif capital l
02144		ʎ				ʎ			\Yup	turned sans-serif capital y
02145		ℒ	ℒ			ℒ	ℒ		\mitBbbd	double-struck italic capital d
02146		ℓ	ℓ			ℓ	ℓ		\mitBbbd	double-struck italic small d





























































































































USV	M	X	C	L	D	A	P	E	Macro	Description
02147									<code>\mitBbbe</code>	double-struck italic small e
02148									<code>\mitBbbi</code>	double-struck italic small i
02149									<code>\mitBbbj</code>	double-struck italic small j
0214A									<code>\PropertyLine</code>	property line
021A8									<code>\updownarrowbar</code>	up down arrow with base (perpendicular)
021B4									<code>\linefeed</code>	rightwards arrow with corner downwards
021B5									<code>\carriagereturn</code>	downwards arrow with corner leftward = carriage return
021B8									<code>\barovernorthwestarrow</code>	north west arrow to long bar
021B9									<code>\barleftarrowrightarrowbar</code>	leftwards arrow to bar over rightwards arrow to bar
021BA									<code>\acwopencirclearrow</code>	anticlockwise open circle arrow
021BB									<code>\cwopencirclearrow</code>	clockwise open circle arrow
021DE									<code>\nHuparrow</code>	upwards arrow with double stroke
021DF									<code>\nHdownarrow</code>	downwards arrow with double stroke
021E0									<code>\leftdasharrow</code>	leftwards dashed arrow
021E1									<code>\updasharrow</code>	upwards dashed arrow
021E2									<code>\righdasharrow</code>	rightwards dashed arrow
021E3									<code>\downdasharrow</code>	downwards dashed arrow
021E6									<code>\leftwhitearrow</code>	leftwards white arrow
021E7									<code>\upwhitearrow</code>	upwards white arrow
021E8									<code>\rightwhitearrow</code>	rightwards white arrow
021E9									<code>\downwhitearrow</code>	downwards white arrow
021EA									<code>\whitearrowupfrombar</code>	upwards white arrow from bar
02200									<code>\forall^{(p)}</code>	for all
02201									<code>\complement^{(a)}</code>	complement sign
02203									<code>\exists^{(p)}</code>	at least one exists
02204									<code>\nexists^{(a)}</code>	negated exists
02205									<code>\varnothing^{(a)}</code>	circle, slash
02206									<code>\increment</code>	laplacian (delta; nabla^2)
0220E									<code>\QED</code>	end of proof
0221E									<code>\infty^{(p)}</code>	infinity
0221F									<code>\rightangle</code>	right (90 degree) angle
02220									<code>\angle^{(p)}</code>	angle
02221									<code>\measuredangle^{(a)}</code>	angle-measured
02222									<code>\sphericalangle^{(a)}</code>	angle-spherical
02234									<code>\therefore^{(a)}</code>	therefore
02235									<code>\because^{(a)}</code>	because
0223F									<code>\sinewave</code>	sine wave
022A4									<code>\top^{(p)}</code>	top
022A5									<code>\bot^{(p)}</code>	bottom
022B9									<code>\hermitmatrix</code>	hermitian conjugate matrix
022BE									<code>\measuredrightangle</code>	right angle-measured [with arc]
022BF									<code>\varlrtriangle</code>	right triangle
022EF									<code>\unicodcdots</code>	three dots, centered
02300									<code>\diameter</code>	diameter sign
02302									<code>\house</code>	house
02310									<code>\invnot</code>	reverse not
02311									<code>\sqlozenge</code>	square lozenge
02312									<code>\profline</code>	profile of a line
02313									<code>\profsurf</code>	profile of a surface

USV	M	X	C	L	D	A	P	E	Macro	Description
02317		⦿							<code>\viewdata</code>	viewdata square
02319		⌞				⌞	⌞		<code>\turnednot</code>	turned not sign
02320		∫	∫	∫		∫	∫		<code>\inttop</code>	top half integral
02321		∫	∫	∫		∫	∫		<code>\intbottom</code>	bottom half integral
0232C		⬡							<code>\varhexagonlrbonds</code>	six carbon ring, corner down, double bonds lower right etc
02332		▷							<code>\conictaper</code>	conical taper
02336		⌈							<code>\topbot</code>	top and bottom
02340		⌘							<code>\APLnotbackslash</code>	apl functional symbol backslash bar
02353		⌘							<code>\APLboxupcaret</code>	boxed up caret
02370		⌘							<code>\APLboxquestion</code>	boxed question mark
0237C		⌘							<code>\rangledownzigzagarrow</code>	right angle with downwards zigzag arrow
02394		⬡							<code>\hexagon</code>	horizontal benzene ring [hexagon flat open]
0239B	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\lparenuend</code>	left parenthesis upper hook
0239C									<code>\lparenextender</code>	left parenthesis extension
0239D	⌋	⌋	⌋	⌋		⌋	⌋	⌋	<code>\lparenlend</code>	left parenthesis lower hook
0239E	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\rparenuend</code>	right parenthesis upper hook
0239F									<code>\rparenextender</code>	right parenthesis extension
023A0	⌋	⌋	⌋	⌋		⌋	⌋	⌋	<code>\rparenlend</code>	right parenthesis lower hook
023A1	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\lbrackuend</code>	left square bracket upper corner
023A2									<code>\lbrackextender</code>	left square bracket extension
023A3	⌋	⌋	⌋	⌋		⌋	⌋	⌋	<code>\lbracklend</code>	left square bracket lower corner
023A4	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\rbrackuend</code>	right square bracket upper corner
023A5									<code>\rbrackextender</code>	right square bracket extension
023A6	⌋	⌋	⌋	⌋		⌋	⌋	⌋	<code>\rbracklend</code>	right square bracket lower corner
023A7	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\lbraceuend</code>	left curly bracket upper hook
023A8	⌈	⌈	⌈	⌈		⌈	⌈	⌈	<code>\lbracemid</code>	left curly bracket middle piece




























































































































































USV	M	X	C	L	D	A	P	E	Macro	Description
023A9									<code>\lbracelend</code>	left curly bracket lower hook
023AA									<code>\vbraceextender</code>	curly bracket extension
023AB									<code>\rbraceuend</code>	right curly bracket upper hook
023AC									<code>\rbracemid</code>	right curly bracket middle piece
023AD									<code>\rbracelend</code>	right curly bracket lower hook
023AE									<code>\intextender</code>	integral extension
023AF									<code>\harrowextender</code>	horizontal line extension (used to extend arrows)
023B2									<code>\sumtop</code>	summation top
023B3									<code>\sumbottom</code>	summation bottom
023B6									<code>\bbrktbrk</code>	bottom square bracket over top square bracket
023B7									<code>\sqrtbottom</code>	radical symbol bottom
023B8									<code>\lvboxline</code>	left vertical box line
023B9									<code>\rvboxline</code>	right vertical box line
023CE									<code>\varcarriagereturn</code>	return symbol
023E0									<code>\obrbrak</code>	top tortoise shell bracket (mathematical use)
023E1									<code>\ubrbrak</code>	bottom tortoise shell bracket (mathematical use)
023E2									<code>\trapezium</code>	white trapezium
023E3									<code>\benzenr</code>	benzene ring with circle
023E4									<code>\strns</code>	straightness
023E5									<code>\fltns</code>	flatness
023E6									<code>\accurrent</code>	ac current
023E7									<code>\elinters</code>	electrical intersection
02422									<code>\blanksymbol</code>	blank symbol
02423									<code>\mathvisiblespace</code>	open box
02506									<code>\bdtriplevdash</code>	doubly broken vert
02580									<code>\blockuphalf</code>	upper half block
02584									<code>\blocklowhalf</code>	lower half block
02588									<code>\blockfull</code>	full block
0258c									<code>\blocklefthalf</code>	left half block
02590									<code>\blockrighthalf</code>	right half block
02591									<code>\blockqtrshaded</code>	25% shaded block
02592									<code>\blockhalfshaded</code>	50% shaded block
02593									<code>\blockthreeqtrshaded</code>	75% shaded block
025A0									<code>\mdlgblksquare</code>	square, filled
025A1									<code>\mdlgwhtsquare</code>	square, open
025A2									<code>\squoval</code>	white square with rounded corners
025A3									<code>\blackinwhitesquare</code>	white square containing black small square
025A4									<code>\squarehfill</code>	square, horizontal rule filled
025A5									<code>\squarevfill</code>	square, vertical rule filled
025A6									<code>\squarehvfill</code>	square with orthogonal crosshatch fill
025A7									<code>\squarenwsefill</code>	square, nw-to-se rule filled

USV	M	X	C	L	D	A	P	E	Macro	Description
025A8									<code>\squareneswfill</code>	square, ne-to-sw rule filled
025A9									<code>\squarecrossfill</code>	square with diagonal crosshatch fill
025AA									<code>\smbklsquare</code>	/blacksquare - sq bullet, filled
025AB									<code>\smwhtsquare</code>	white small square
025AC									<code>\hrectangleblack</code>	black rectangle
025AD									<code>\hrectangle</code>	horizontal rectangle, open
025AE									<code>\vrectangleblack</code>	black vertical rectangle
025AF									<code>\vrectangle</code>	rectangle, white (vertical)
025B0									<code>\parallelogramblack</code>	black parallelogram
025B1									<code>\parallelogram</code>	parallelogram, open
025B2									<code>\bigblacktriangleup</code>	ox25b2 6 6d black up-pointing triangle
025B4									<code>\blacktriangle<sup>(a)</sup></code>	up triangle, filled
025B6									<code>\blacktriangleright<sup>(a)</sup></code>	(large) right triangle, filled
025B8									<code>\smallblacktriangleright</code>	right triangle, filled
025B9									<code>\smalltriangleright</code>	right triangle, open
025BA									<code>\blackpointerright</code>	black right-pointing pointer
025BB									<code>\whitepointerright</code>	white right-pointing pointer
025BC									<code>\bigblacktriangledown</code>	big down triangle, filled
025BD									<code>\bigtriangledown<sup>(p)</sup></code>	big down triangle, open
025BE									<code>\blacktriangledown<sup>(a)</sup></code>	down triangle, filled
025BF									<code>\triangledown<sup>(a)</sup></code>	down triangle, open
025C0									<code>\blacktriangleleft<sup>(a)</sup></code>	(large) left triangle, filled
025C2									<code>\smallblacktriangleleft</code>	left triangle, filled
025C3									<code>\smalltriangleleft</code>	left triangle, open
025C4									<code>\blackpointerleft</code>	black left-pointing pointer
025C5									<code>\whitepointerleft</code>	white left-pointing pointer
025C6									<code>\mdlgblkdiamond</code>	black diamond
025C7									<code>\mdlgwhtdiamond</code>	white diamond; diamond, open
025C8									<code>\blackinwhitediamond</code>	white diamond containing black small diamond
025C9									<code>\fisheye</code>	fisheye
025CA									<code>\mdlgwhtlozenge</code>	lozenge or total mark
025CC									<code>\dottedcircle</code>	dotted circle
025CD									<code>\circlevertfill</code>	circle with vertical fill
025CE									<code>\bullseye</code>	bullseye
025CF									<code>\mdlgblkcircle</code>	circle, filled
025D0									<code>\circlelefthalfblack</code>	circle, filled left half [harvey ball]
025D1									<code>\cyclerighthalfblack</code>	circle, filled right half
025D2									<code>\circlebottomhalfblack</code>	circle, filled bottom half
025D3									<code>\cirtophalfblack</code>	circle, filled top half
025D4									<code>\circleurquadblack</code>	circle with upper right quadrant black
025D5									<code>\blackcircleulquadwhite</code>	circle with all but upper left quadrant black
025D6									<code>\blacklefthalfcircle</code>	left half black circle
025D7									<code>\blackrighthalfcircle</code>	right half black circle
025D8									<code>\inversebullet</code>	inverse bullet
025D9									<code>\inversewhitecircle</code>	inverse white circle
025DA									<code>\invwhiteupperhalfcircle</code>	upper half inverse white circle
025DB									<code>\invwhitelowerhalfcircle</code>	lower half inverse white circle
025DC									<code>\ularc</code>	upper left quadrant circular arc
025DD									<code>\urarc</code>	upper right quadrant circular arc
025DE									<code>\lrarc</code>	lower right quadrant circular arc

USV	M	X	C	L	D	A	P	E	Macro	Description
025DF									<code>\llarc</code>	lower left quadrant circular arc
025E0									<code>\topsemicircle</code>	upper half circle
025E1									<code>\botsemicircle</code>	lower half circle
025E2									<code>\lrblacktriangle</code>	lower right triangle, filled
025E3									<code>\llblacktriangle</code>	lower left triangle, filled
025E4									<code>\ulblacktriangle</code>	upper left triangle, filled
025E5									<code>\urblacktriangle</code>	upper right triangle, filled
025E6									<code>\smwhtcircle</code>	white bullet
025E7									<code>\squareleftblack</code>	square, filled left half
025E8									<code>\squarerightblack</code>	square, filled right half
025E9									<code>\squareulblack</code>	square, filled top left corner
025EA									<code>\squarelrblack</code>	square, filled bottom right corner
025EC									<code>\trianglecdot</code>	triangle with centered dot
025ED									<code>\triangleleftblack</code>	up-pointing triangle with left half black
025EE									<code>\trianglerightblack</code>	up-pointing triangle with right half black
025EF									<code>\lgwhtcircle</code>	large circle
025F0									<code>\squareulquad</code>	white square with upper left quadrant
025F1									<code>\squarellquad</code>	white square with lower left quadrant
025F2									<code>\squarelrquad</code>	white square with lower right quadrant
025F3									<code>\squareurquad</code>	white square with upper right quadrant
025F4									<code>\circleulquad</code>	white circle with upper left quadrant
025F5									<code>\circlellquad</code>	white circle with lower left quadrant
025F6									<code>\circlelrquad</code>	white circle with lower right quadrant
025F7									<code>\circleurquad</code>	white circle with upper right quadrant
025F8									<code>\ultriangle</code>	upper left triangle
025F9									<code>\urtriangle</code>	upper right triangle
025FA									<code>\lltriangle</code>	lower left triangle
025FB									<code>\mdwhtsquare</code>	white medium square
025FC									<code>\mdblksquare</code>	black medium square
025FD									<code>\mdsmwhtsquare</code>	white medium small square
025FE									<code>\mdsmbllsquare</code>	black medium small square
025FF									<code>\lrtriangle</code>	lower right triangle
02605									<code>\bigstar<sup>(a)</sup></code>	star, filled
02606									<code>\bigwhitestar</code>	star, open
02609									<code>\astrosun</code>	sun
02621									<code>\danger</code>	dangerous bend (caution sign)
0263B									<code>\blacksmiley</code>	black smiling face
0263C									<code>\sun</code>	white sun with rays
0263D									<code>\rightmoon</code>	first quarter moon
0263E									<code>\leftmoon</code>	last quarter moon
02640									<code>\female</code>	venus, female
02642									<code>\male</code>	mars, male
02660									<code>\spadesuit<sup>(p)</sup></code>	spades suit symbol
02661									<code>\heartsuit<sup>(p)</sup></code>	heart suit symbol
02662									<code>\diamondsuit<sup>(p)</sup></code>	diamond suit symbol
02663									<code>\clubsuit<sup>(p)</sup></code>	club suit symbol
02664									<code>\varspadesuit</code>	spade, white (card suit)
02665									<code>\varheartsuit</code>	filled heart (card suit)
02666									<code>\vardiamondsuit</code>	filled diamond (card suit)
02667									<code>\varclubsuit</code>	club, white (card suit)

USV	M	X	C	L	D	A	P	E	Macro	Description
02669									<code>\quarternote</code>	music note (sung text sign)
0266A									<code>\eighthnote</code>	eighth note
0266B									<code>\twonotes</code>	beamed eighth notes
0266D									<code>\flat<sup>(p)</sup></code>	musical flat
0266E									<code>\natural<sup>(p)</sup></code>	music natural
0266F									<code>\sharp<sup>(p)</sup></code>	musical sharp
0267E									<code>\acidfree</code>	permanent paper sign
02680									<code>\dicei</code>	die face-1
02681									<code>\diceii</code>	die face-2
02682									<code>\diceiii</code>	die face-3
02683									<code>\diceiv</code>	die face-4
02684									<code>\dicev</code>	die face-5
02685									<code>\dicevi</code>	die face-6
02686									<code>\circledrightdot</code>	white circle with dot right
02687									<code>\circledtwodots</code>	white circle with two dots
02688									<code>\blackcircledrightdot</code>	black circle with white dot right
02689									<code>\blackcircledtwodots</code>	black circle with two white dots
026A5									<code>\Hermaphrodite</code>	male and female sign
026AA									<code>\mdwhtcircle</code>	medium white circle
026AB									<code>\mdblkcircle</code>	medium black circle
026AC									<code>\mdsmwhtcircle</code>	medium small white circle
026B2									<code>\neuter</code>	neuter
02713									<code>\checkmark</code>	tick, check mark
02720									<code>\maltese</code>	maltese cross
0272A									<code>\circledstar</code>	circled white star
02736									<code>\varstar</code>	six pointed black star
0273D									<code>\dingasterisk</code>	heavy teardrop-spoked asterisk
0279B									<code>\draftingarrow</code>	right arrow with bold head (drafting)
027C0									<code>\threeangle</code>	three dimensional angle
027C1									<code>\whiteinwhitetriangle</code>	white triangle containing small white triangle
027C3									<code>\subsetcirc</code>	open subset
027C4									<code>\supsetcirc</code>	open superset
027D0									<code>\diamondcdot</code>	white diamond with centred dot
0292B									<code>\rdiagovfdiag</code>	rising diagonal crossing falling diagonal
0292C									<code>\fdiagovrdiag</code>	falling diagonal crossing rising diagonal
0292D									<code>\seovnearrow</code>	south east arrow crossing north east arrow
0292E									<code>\neovsearrow</code>	north east arrow crossing south east arrow
0292F									<code>\fdiagovnearrow</code>	falling diagonal crossing north east arrow
02930									<code>\rdiagovsearrow</code>	rising diagonal crossing south east arrow
02931									<code>\neovnwarrow</code>	north east arrow crossing north west arrow
02932									<code>\nwovnearrow</code>	north west arrow crossing north east arrow
02934									<code>\uprightcurvearrow</code>	arrow pointing rightwards then curving upwards
02935									<code>\downrightcurvedarrow</code>	arrow pointing rightwards then curving downwards
02981									<code>\mdsmbllkcircle</code>	z notation spot
02999									<code>\fourvdots</code>	dotted fence
0299A									<code>\vzigzag</code>	vertical zigzag line
0299B									<code>\measuredangleleft</code>	measured angle opening left
0299C									<code>\rightanglesqr</code>	right angle variant with square
0299D									<code>\rightanglemdot</code>	measured right angle with dot
0299E									<code>\angles</code>	angle with s inside

USV	M	X	C	L	D	A	P	E	Macro	Description
0299F									<code>\angdnr</code>	acute angle
029A0									<code>\gtlpar</code>	spherical angle opening left
029A1									<code>\sphericalangleup</code>	spherical angle opening up
029A2									<code>\turnangle</code>	turned angle
029A3									<code>\revangle</code>	reversed angle
029A4									<code>\angleubar</code>	angle with underbar
029A5									<code>\revangleubar</code>	reversed angle with underbar
029A6									<code>\wideangledown</code>	oblique angle opening up
029A7									<code>\wideangleup</code>	oblique angle opening down
029A8									<code>\measanglerutone</code>	measured angle with open arm ending in arrow pointing up and right
029A9									<code>\measangleluttonw</code>	measured angle with open arm ending in arrow pointing up and left
029AA									<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
029AB									<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
029AC									<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
029AD									<code>\measangleultonw</code>	measured angle with open arm ending in arrow pointing left and up
029AE									<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down
029AF									<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
029B0									<code>\reemptyset</code>	reversed empty set
029B1									<code>\emptysetobar</code>	empty set with overbar
029B2									<code>\emptysetocirc</code>	empty set with small circle above
029B3									<code>\emptysetoarr</code>	empty set with right arrow above
029B4									<code>\emptysetoarrl</code>	empty set with left arrow above
029BA									<code>\obot</code>	circle divided by horizontal bar and top half divided by vertical bar
029BB									<code>\olcross</code>	circle with superimposed x
029BC									<code>\odotslashdot</code>	circled anticlockwise-rotated division sign
029BD									<code>\uparrowwocircle</code>	up arrow through circle
029BE									<code>\circledwhitebullet</code>	circled white bullet
029BF									<code>\circledbullet</code>	circled bullet
029C2									<code>\cirscir</code>	circle with small circle to the right
029C3									<code>\cirE</code>	circle with two horizontal strokes to the right
029C9									<code>\boxonbox</code>	two joined squares
029CA									<code>\triangleodot</code>	triangle with dot above
029CB									<code>\triangleubar</code>	triangle with underbar
029CC									<code>\triangles</code>	s in triangle
029DC									<code>\iinfin</code>	incomplete infinity
029DD									<code>\tieinfty</code>	tie over infinity
029DE									<code>\nvinfty</code>	infinity negated with vertical bar
029E0									<code>\laplac</code>	square with contoured outline
029E7									<code>\thermod</code>	thermodynamic
029E8									<code>\downtriangleleftblack</code>	down-pointing triangle with left half black
029E9									<code>\downtrianglerightblack</code>	down-pointing triangle with right half black
029EA									<code>\blackdiamonddownarrow</code>	black diamond with down arrow
029EC									<code>\circledownarrow</code>	white circle with down arrow
029ED									<code>\blackcircledownarrow</code>	black circle with down arrow
029EE									<code>\errbarsquare</code>	error-barred white square

USV	M	X	C	L	D	A	P	E	Macro	Description
029EF									<code>\errbarblacksquare</code>	error-barred black square
029FO									<code>\errbardiamond</code>	error-barred white diamond
029F1									<code>\errbarblackdiamond</code>	error-barred black diamond
029F2									<code>\errbarcircle</code>	error-barred white circle
029F3									<code>\errbarblackcircle</code>	error-barred black circle
02AE1									<code>\perps</code>	perpendicular with s
02AF1									<code>\topcir</code>	down tack with circle below
02B12									<code>\squaretopblack</code>	square with top half black
02B13									<code>\squarebotblack</code>	square with bottom half black
02B14									<code>\squareurblack</code>	square with upper right diagonal half black
02B15									<code>\squarellblack</code>	square with lower left diagonal half black
02B16									<code>\diamondleftblack</code>	diamond with left half black
02B17									<code>\diamondrightblack</code>	diamond with right half black
02B18									<code>\diamondtopblack</code>	diamond with top half black
02B19									<code>\diamondbotblack</code>	diamond with bottom half black
02B1A									<code>\dottedsquare</code>	dotted square
02B1B									<code>\lgblsquare</code>	black large square
02B1C									<code>\lgwhtsquare</code>	white large square
02B1D									<code>\vysmblsquare</code>	black very small square
02B1E									<code>\vysmwhtsquare</code>	white very small square
02B1F									<code>\pentagonblack</code>	black pentagon
02B20									<code>\pentagon</code>	white pentagon
02B21									<code>\varhexagon</code>	white hexagon
02B22									<code>\varhexagonblack</code>	black hexagon
02B23									<code>\hexagonblack</code>	horizontal black hexagon
02B24									<code>\lgblkcircle</code>	black large circle
02B25									<code>\mdblkdiamond</code>	black medium diamond
02B26									<code>\mdwhtdiamond</code>	white medium diamond
02B27									<code>\mdblklozenge</code>	black medium lozenge
02B28									<code>\mdwhtlozenge</code>	white medium lozenge
02B29									<code>\smbldiamond</code>	black small diamond
02B2A									<code>\smblklozenge</code>	black small lozenge
02B2B									<code>\smwhtlozenge</code>	white small lozenge
02B2C									<code>\blkhorzoval</code>	black horizontal ellipse
02B2D									<code>\whthorzoval</code>	white horizontal ellipse
02B2E									<code>\blkvertoval</code>	black vertical ellipse
02B2F									<code>\whtvertoval</code>	white vertical ellipse
02B50									<code>\medwhitestar</code>	white medium star
02B51									<code>\medblackstar</code>	black medium star
02B52									<code>\smwhitestar</code>	white small star
02B53									<code>\rightpentagonblack</code>	black right-pointing pentagon
02B54									<code>\rightpentagon</code>	white right-pointing pentagon
03012									<code>\postalmark</code>	postal mark
03030									<code>\hzigzag</code>	zigzag
1D7CE	0	0	0	0	0	0	0	0	<code>\mbfzero</code>	mathematical bold digit 0
1D7CF	1	1	1	1	1	1	1	1	<code>\mbfone</code>	mathematical bold digit 1
1D7D0	2	2	2	2	2	2	2	2	<code>\mbftwo</code>	mathematical bold digit 2
1D7D1	3	3	3	3	3	3	3	3	<code>\mbfthree</code>	mathematical bold digit 3
1D7D2	4	4	4	4	4	4	4	4	<code>\mbffour</code>	mathematical bold digit 4
1D7D3	5	5	5	5	5	5	5	5	<code>\mbffive</code>	mathematical bold digit 5

USV	M	X	C	L	D	A	P	E	Macro	Description
1D7D4	6	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
1D7D5	7	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
1D7D6	8	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
1D7D7	9	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
1D7D8	0	0	0			0	0		\Bbbzero	mathematical double-struck digit 0
1D7D9	1	1	1			1	1		\Bbbone	mathematical double-struck digit 1
1D7DA	2	2	2			2	2		\Bbbtwo	mathematical double-struck digit 2
1D7DB	3	3	3			3	3		\Bbbthree	mathematical double-struck digit 3
1D7DC	4	4	4			4	4		\Bbbfour	mathematical double-struck digit 4
1D7DD	5	5	5			5	5		\Bbbfive	mathematical double-struck digit 5
1D7DE	6	6	6			6	6		\Bbbsix	mathematical double-struck digit 6
1D7DF	7	7	7			7	7		\Bbbseven	mathematical double-struck digit 7
1D7E0	8	8	8			8	8		\Bbbeight	mathematical double-struck digit 8
1D7E1	9	9	9			9	9		\Bbbnine	mathematical double-struck digit 9
1D7E2	0	0	0	0	0	0	0		\msanszero	mathematical sans-serif digit 0
1D7E3	1	1	1	1	1	1	1		\msansone	mathematical sans-serif digit 1
1D7E4	2	2	2	2	2	2	2		\msanstwo	mathematical sans-serif digit 2
1D7E5	3	3	3	3	3	3	3		\msanstthree	mathematical sans-serif digit 3
1D7E6	4	4	4	4	4	4	4		\msansfour	mathematical sans-serif digit 4
1D7E7	5	5	5	5	5	5	5		\msansfive	mathematical sans-serif digit 5
1D7E8	6	6	6	6	6	6	6		\msanssix	mathematical sans-serif digit 6
1D7E9	7	7	7	7	7	7	7		\msansseven	mathematical sans-serif digit 7
1D7EA	8	8	8	8	8	8	8		\msanseight	mathematical sans-serif digit 8
1D7EB	9	9	9	9	9	9	9		\msansnine	mathematical sans-serif digit 9
1D7EC	0	0	0	0	0	0	0		\mbfsanszero	mathematical sans-serif bold digit 0
1D7ED	1	1	1	1	1	1	1		\mbfsansone	mathematical sans-serif bold digit 1
1D7EE	2	2	2	2	2	2	2		\mbfsansttwo	mathematical sans-serif bold digit 2
1D7EF	3	3	3	3	3	3	3		\mbfsanstthree	mathematical sans-serif bold digit 3
1D7F0	4	4	4	4	4	4	4		\mbfsansfour	mathematical sans-serif bold digit 4
1D7F1	5	5	5	5	5	5	5		\mbfsansfive	mathematical sans-serif bold digit 5
1D7F2	6	6	6	6	6	6	6		\mbfsanssix	mathematical sans-serif bold digit 6
1D7F3	7	7	7	7	7	7	7		\mbfsansseven	mathematical sans-serif bold digit 7
1D7F4	8	8	8	8	8	8	8		\mbfsanseight	mathematical sans-serif bold digit 8
1D7F5	9	9	9	9	9	9	9		\mbfsansnine	mathematical sans-serif bold digit 9
1D7F6	0	0	0	0	0	0	0		\mttzero	mathematical monospace digit 0
1D7F7	1	1	1	1	1	1	1		\mttone	mathematical monospace digit 1
1D7F8	2	2	2	2	2	2	2		\mtttwo	mathematical monospace digit 2
1D7F9	3	3	3	3	3	3	3		\mttthree	mathematical monospace digit 3
1D7FA	4	4	4	4	4	4	4		\mttfour	mathematical monospace digit 4
1D7FB	5	5	5	5	5	5	5		\mttfive	mathematical monospace digit 5
1D7FC	6	6	6	6	6	6	6		\mttsix	mathematical monospace digit 6
1D7FD	7	7	7	7	7	7	7		\mttseven	mathematical monospace digit 7
1D7FE	8	8	8	8	8	8	8		\mtteight	mathematical monospace digit 8
1D7FF	9	9	9	9	9	9	9		\mttnine	mathematical monospace digit 9

## 12 Relation symbols, \mathrel

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



USV	M	X	C	L	D	A	P	E	Macro	Description
021C2									<code>\downharpoonright<sup>(a)</sup></code>	down harpoon-right
021C3									<code>\downharpoonleft<sup>(a)</sup></code>	down harpoon-left
021C4									<code>\rightleftarrows<sup>(a)</sup></code>	right arrow over left arrow
021C5									<code>\updownarrows</code>	up arrow, down arrow
021C6									<code>\leftrightarrows<sup>(a)</sup></code>	left arrow over right arrow
021C7									<code>\leftleftarrows<sup>(a)</sup></code>	two left arrows
021C8									<code>\upuparrows<sup>(a)</sup></code>	two up arrows
021C9									<code>\rightrightarrows<sup>(a)</sup></code>	two right arrows
021CA									<code>\downdownarrows<sup>(a)</sup></code>	two down arrows
021CB									<code>\leftrightharpoons<sup>(a)</sup></code>	left harpoon over right
021CC									<code>\rightleftharpoons</code>	right harpoon over left
021CD									<code>\nLeftarrow<sup>(a)</sup></code>	not implied by
021CE									<code>\nLeftrightarrow<sup>(a)</sup></code>	not left and right double arrows
021CF									<code>\nRightarrow<sup>(a)</sup></code>	not implies
021D0									<code>\Leftarrow<sup>(p)</sup></code>	is implied by
021D1									<code>\Uparrow<sup>(p)</sup></code>	up double arrow
021D2									<code>\Rightarrow<sup>(p)</sup></code>	implies
021D3									<code>\Downarrow<sup>(p)</sup></code>	down double arrow
021D4									<code>\Leftrightarrow<sup>(p)</sup></code>	left and right double arrow
021D5									<code>\Updownarrow<sup>(p)</sup></code>	up and down double arrow
021D6									<code>\Nwarrow</code>	nw pointing double arrow
021D7									<code>\Nearrow</code>	ne pointing double arrow
021D8									<code>\Searrow</code>	se pointing double arrow
021D9									<code>\Svarrow</code>	sw pointing double arrow
021DA									<code>\Lleftarrow<sup>(a)</sup></code>	left triple arrow
021DB									<code>\Rrightarrow<sup>(a)</sup></code>	right triple arrow
021DC									<code>\leftsquigarrow</code>	leftwards squiggle arrow
021DD									<code>\rightsquigarrow<sup>(a)</sup></code>	rightwards squiggle arrow
021E4									<code>\barleftarrow</code>	leftwards arrow to bar
021E5									<code>\rightarrowbar</code>	rightwards arrow to bar
021F4									<code>\circlearrowright</code>	right arrow with small circle
021F5									<code>\downuparrows</code>	downwards arrow leftwards of upwards arrow
021F6									<code>\rightthreearrows</code>	three rightwards arrows
021F7									<code>\nleftarrow</code>	leftwards arrow with vertical stroke
021F8									<code>\nrightarrow</code>	rightwards arrow with vertical stroke
021F9									<code>\nleftrightarrow</code>	left right arrow with vertical stroke
021FA									<code>\nVleftarrow</code>	leftwards arrow with double vertical stroke
021FB									<code>\nVrightarrow</code>	rightwards arrow with double vertical stroke
021FC									<code>\nVleftrightarrow</code>	left right arrow with double vertical stroke
021FD									<code>\leftarrowtriangle</code>	leftwards open-headed arrow
021FE									<code>\rightarrowtriangle</code>	rightwards open-headed arrow
021FF									<code>\leftrightarrowtriangle</code>	left right open-headed arrow
02208									<code>\in<sup>(p)</sup></code>	set membership, variant
02209									<code>\notin</code>	negated set membership
0220A									<code>\smallin</code>	set membership (small set membership)
0220B									<code>\ni<sup>(p)</sup></code>	contains, variant
0220C									<code>\nni</code>	negated contains, variant
0220D									<code>\smallni</code>	/ni owns r: contains (small contains as member)
0221D									<code>\propto<sup>(p)</sup></code>	is proportional to
02223									<code>\mid<sup>(p)</sup></code>	/mid r:

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

USV	M	X	C	L	D	A	P	E	Macro	Description
02269									<code>\gneqq<sup>(a)</sup></code>	greater, not double equals
0226A									<code>\ll<sup>(p)</sup></code>	much less than, type 2
0226B									<code>\gg<sup>(p)</sup></code>	much greater than, type 2
0226C									<code>\between<sup>(a)</sup></code>	between
0226D									<code>\nasymp</code>	not asymptotically equal to
0226E									<code>\nless<sup>(a)</sup></code>	not less-than
0226F									<code>\ngtr<sup>(a)</sup></code>	not greater-than
02270									<code>\nleq<sup>(a)</sup></code>	not less-than-or-equal
02271									<code>\ngeq<sup>(a)</sup></code>	not greater-than-or-equal
02272									<code>\lesssim<sup>(a)</sup></code>	less, similar
02273									<code>\gtrsim<sup>(a)</sup></code>	greater, similar
02274									<code>\nlesssim</code>	not less, similar
02275									<code>\ngtrsim</code>	not greater, similar
02276									<code>\lessgtr<sup>(a)</sup></code>	less, greater
02277									<code>\gtrless<sup>(a)</sup></code>	greater, less
02278									<code>\nlessgtr</code>	not less, greater
02279									<code>\ngtrless</code>	not greater, less
0227A									<code>\prec<sup>(p)</sup></code>	precedes
0227B									<code>\succ<sup>(p)</sup></code>	succeeds
0227C									<code>\preccurlyeq<sup>(a)</sup></code>	precedes, curly equals
0227D									<code>\succcurlyeq<sup>(a)</sup></code>	succeeds, curly equals
0227E									<code>\precsim<sup>(a)</sup></code>	precedes, similar
0227F									<code>\succsim<sup>(a)</sup></code>	succeeds, similar
02280									<code>\nprec<sup>(a)</sup></code>	not precedes
02281									<code>\nsucc<sup>(a)</sup></code>	not succeeds
02282									<code>\subset<sup>(p)</sup></code>	subset or is implied by
02283									<code>\supset<sup>(p)</sup></code>	superset or implies
02284									<code>\nsubset</code>	not subset, variant [slash negation]
02285									<code>\nsupset</code>	not superset, variant [slash negation]
02286									<code>\subseteq<sup>(p)</sup></code>	subset, equals
02287									<code>\supseteq<sup>(p)</sup></code>	superset, equals
02288									<code>\nsubseteq<sup>(a)</sup></code>	not subset, equals
02289									<code>\nsupseteq<sup>(a)</sup></code>	not superset, equals
0228A									<code>\subsetneq<sup>(a)</sup></code>	subset, not equals
0228B									<code>\supsetneq<sup>(a)</sup></code>	superset, not equals
0228F									<code>\sqsubset</code>	square subset
02290									<code>\sqsupset</code>	square superset
02291									<code>\sqsubseteq<sup>(p)</sup></code>	square subset, equals
02292									<code>\sqsupseteq<sup>(p)</sup></code>	square superset, equals
022A2									<code>\vdash<sup>(p)</sup></code>	vertical, dash
022A3									<code>\dashv<sup>(p)</sup></code>	dash, vertical
022A6									<code>\assert</code>	assertion (vertical, short dash)
022A7									<code>\models<sup>(p)</sup></code>	models (vertical, short double dash)
022A8									<code>\vDash<sup>(a)</sup></code>	vertical, double dash
022A9									<code>\Vdash<sup>(a)</sup></code>	double vertical, dash
022AA									<code>\Vvdash<sup>(a)</sup></code>	triple vertical, dash
022AB									<code>\VDash</code>	double vert, double dash
022AC									<code>\nvdash<sup>(a)</sup></code>	not vertical, dash
022AD									<code>\nvDash<sup>(a)</sup></code>	not vertical, double dash
022AE									<code>\nVdash<sup>(a)</sup></code>	not double vertical, dash

USV	M	X	C	L	D	A	P	E	Macro	Description
022AF									<code>\nVDash<sup>(a)</sup></code>	not double vert, double dash
022B0									<code>\prurel</code>	element precedes under relation
022B1									<code>\scurel</code>	succeeds under relation
022B2									<code>\vartriangleleft<sup>(a)</sup></code>	left triangle, open, variant
022B3									<code>\vartriangleright<sup>(a)</sup></code>	right triangle, open, variant
022B4									<code>\trianglelefteq<sup>(a)</sup></code>	left triangle, equals
022B5									<code>\trianglerighteq<sup>(a)</sup></code>	right triangle, equals
022B6									<code>\origof</code>	original of
022B7									<code>\imageof</code>	image of
022B8									<code>\multimap<sup>(a)</sup></code>	/multimap a:
022C8									<code>\bowtie<sup>(p)</sup></code>	bowtie
022CD									<code>\backsimeq<sup>(a)</sup></code>	reverse similar, equals
022D0									<code>\Subset<sup>(a)</sup></code>	double subset
022D1									<code>\Supset<sup>(a)</sup></code>	double superset
022D4									<code>\pitchfork<sup>(a)</sup></code>	pitchfork
022D5									<code>\equalparallel</code>	parallel, equal; equal or parallel
022D6									<code>\lessdot<sup>(a)</sup></code>	less than, with dot
022D7									<code>\gtrdot<sup>(a)</sup></code>	greater than, with dot
022D8									<code>\lll<sup>(a)</sup></code>	/ll /lll /lless r: triple less-than
022D9									<code>\ggg<sup>(a)</sup></code>	/ggg /gg /gggtr r: triple greater-than
022DA									<code>\lesseqgtr<sup>(a)</sup></code>	less, equals, greater
022DB									<code>\gtreqless<sup>(a)</sup></code>	greater, equals, less
022DC									<code>\eqless</code>	equal-or-less
022DD									<code>\eqgtr</code>	equal-or-greater
022DE									<code>\curlyeqprec<sup>(a)</sup></code>	curly equals, precedes
022DF									<code>\curlyeqsucc<sup>(a)</sup></code>	curly equals, succeeds
022E0									<code>\npreccurlyeq</code>	not precedes, curly equals
022E1									<code>\nsucccurlyeq</code>	not succeeds, curly equals
022E2									<code>\nsqsubseteq</code>	not, square subset, equals
022E3									<code>\nsqsupseteq</code>	not, square superset, equals
022E4									<code>\sqsubsetneq</code>	square subset, not equals
022E5									<code>\sqsupsetneq</code>	square superset, not equals
022E6									<code>\lnsim<sup>(a)</sup></code>	less, not similar
022E7									<code>\gnsim<sup>(a)</sup></code>	greater, not similar
022E8									<code>\precnsim<sup>(a)</sup></code>	precedes, not similar
022E9									<code>\succnsim<sup>(a)</sup></code>	succeeds, not similar
022EA									<code>\nvartriangleleft</code>	not left triangle
022EB									<code>\nvartriangleright</code>	not right triangle
022EC									<code>\ntrianglelefteq<sup>(a)</sup></code>	not left triangle, equals
022ED									<code>\ntrianglerighteq<sup>(a)</sup></code>	not right triangle, equals
022EE									<code>\vdots<sup>(p)</sup></code>	vertical ellipsis
022FO									<code>\adots</code>	three dots, ascending
022F1									<code>\ddots<sup>(p)</sup></code>	three dots, descending
022F2									<code>\disin</code>	element of with long horizontal stroke
022F3									<code>\varisins</code>	element of with vertical bar at end of horizontal stroke
022F4									<code>\isins</code>	small element of with vertical bar at end of horizontal stroke
022F5									<code>\isindot</code>	element of with dot above
022F6									<code>\varisinobar</code>	element of with overbar
022F7									<code>\isinobar</code>	small element of with overbar
022F8									<code>\isinvb</code>	element of with underbar

USV	M	X	C	L	D	A	P	E	Macro	Description
022F9									<code>\isinE</code>	element of with two horizontal strokes
022FA									<code>\nisd</code>	contains with long horizontal stroke
022FB									<code>\varnis</code>	contains with vertical bar at end of horizontal stroke
022FC									<code>\nis</code>	small contains with vertical bar at end of horizontal stroke
022FD									<code>\varniobar</code>	contains with overbar
022FE									<code>\niobar</code>	small contains with overbar
022FF									<code>\bagmember</code>	z notation bag membership
02322									<code>\frown<sup>(p)</sup></code>	down curve
02323									<code>\smile<sup>(p)</sup></code>	up curve
0233F									<code>\APLnotslash</code>	solidus, bar through (apl functional symbol slash b)
025B5									<code>\vartriangle<sup>(a)</sup></code>	/triangle - up triangle, open
027C2									<code>\perp<sup>(p)</sup></code>	perpendicular
027C8									<code>\bsolhsb</code>	reverse solidus preceding subset
027C9									<code>\suphsol</code>	superset preceding solidus
027D2									<code>\upin</code>	element of opening upwards
027D3									<code>\pullback</code>	lower right corner with dot
027D4									<code>\pushout</code>	upper left corner with dot
027DA									<code>\DashVDash</code>	left and right double turnstile
027DB									<code>\dashVdash</code>	left and right tack
027DC									<code>\multimapinv</code>	left multimap
027DD									<code>\vlongdash</code>	long left tack
027DE									<code>\longdashv</code>	long right tack
027DF									<code>\cirbot</code>	up tack with circle above
027F0									<code>\UUparrow</code>	upwards quadruple arrow
027F1									<code>\DDownarrow</code>	downwards quadruple arrow
027F2									<code>\acwgapcirculararrow</code>	anticlockwise gapped circle arrow
027F3									<code>\cwgapcirculararrow</code>	clockwise gapped circle arrow
027F4									<code>\rightarrowonoplus</code>	right arrow with circled plus
027F5									<code>\longleftarrow<sup>(p)</sup></code>	long leftwards arrow
027F6									<code>\longrightarrow<sup>(p)</sup></code>	long rightwards arrow
027F7									<code>\longleftrightarrow<sup>(p)</sup></code>	long left right arrow
027F8									<code>\Longleftarrow<sup>(p)</sup></code>	long leftwards double arrow
027F9									<code>\Longrightarrow<sup>(p)</sup></code>	long rightwards double arrow
027FA									<code>\Longleftrightarrow<sup>(p)</sup></code>	long left right double arrow
027FB									<code>\longmapsfrom</code>	long leftwards arrow from bar
027FC									<code>\longmapsto<sup>(p)</sup></code>	long rightwards arrow from bar
027FD									<code>\Longmapsfrom</code>	long leftwards double arrow from bar
027FE									<code>\Longmapsto</code>	long rightwards double arrow from bar
027FF									<code>\longrightsquigarrow</code>	long rightwards squiggle arrow
02900									<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with vertical stroke
02901									<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with double vertical stroke
02902									<code>\nvLeftarrow</code>	leftwards double arrow with vertical stroke
02903									<code>\nvRrightarrow</code>	rightwards double arrow with vertical stroke
02904									<code>\nvLeftrightarrow</code>	left right double arrow with vertical stroke
02905									<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
02906									<code>\Mapsfrom</code>	leftwards double arrow from bar
02907									<code>\Mapsto</code>	rightwards double arrow from bar
02908									<code>\downarrowbarred</code>	downwards arrow with horizontal stroke
02909									<code>\uparrowbarred</code>	upwards arrow with horizontal stroke

USV	M	X	C	L	D	A	P	E	Macro	Description
0290A									<code>\Uparrow</code>	upwards triple arrow
0290B									<code>\Downarrow</code>	downwards triple arrow
0290C									<code>\leftbckarrow</code>	leftwards double dash arrow
0290D									<code>\rightbckarrow</code>	rightwards double dash arrow
0290E									<code>\leftdbkarrow</code>	leftwards triple dash arrow
0290F									<code>\dbkarrow</code>	rightwards triple dash arrow
02910									<code>\drbkarrow</code>	rightwards two-headed triple dash arrow
02911									<code>\rightrightarrow</code>	rightwards arrow with dotted stem
02912									<code>\baruparrow</code>	upwards arrow to bar
02913									<code>\downarrowbar</code>	downwards arrow to bar
02914									<code>\nvrightarrowtail</code>	rightwards arrow with tail with vertical stroke
02915									<code>\nVrightarrowtail</code>	rightwards arrow with tail with double vertical stroke
02916									<code>\twoheadrightarrowtail</code>	rightwards two-headed arrow with tail
02917									<code>\nvtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with vertical stroke
02918									<code>\nVtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with double vertical stroke
02919									<code>\lefttail</code>	leftwards arrow-tail
0291A									<code>\righttail</code>	rightwards arrow-tail
0291B									<code>\leftdbltail</code>	leftwards double arrow-tail
0291C									<code>\rightdbltail</code>	rightwards double arrow-tail
0291D									<code>\diamondleftarrow</code>	leftwards arrow to black diamond
0291E									<code>\rightarrowblacklozenge</code>	rightwards arrow to black diamond
0291F									<code>\diamondleftarrowbar</code>	leftwards arrow from bar to black diamond
02920									<code>\barrightarrowblacklozenge</code>	rightwards arrow from bar to black diamond
02921									<code>\nwsearrow</code>	north west and south east arrow
02922									<code>\neswarrow</code>	north east and south west arrow
02923									<code>\hknwarrow</code>	north west arrow with hook
02924									<code>\hknearrow</code>	north east arrow with hook
02925									<code>\hksearrow</code>	south east arrow with hook
02926									<code>\hkswarrow</code>	south west arrow with hook
02927									<code>\tona</code>	north west arrow and north east arrow
02928									<code>\toea</code>	north east arrow and south east arrow
02929									<code>\tosa</code>	south east arrow and south west arrow
0292A									<code>\towa</code>	south west arrow and north west arrow
02933									<code>\rightarrowcurvedarrow</code>	wave arrow pointing directly right
02936									<code>\leftdowncurvedarrow</code>	arrow pointing downwards then curving leftwards
02937									<code>\rightdowncurvedarrow</code>	arrow pointing downwards then curving rightwards
02938									<code>\cwrightarcarrow</code>	right-side arc clockwise arrow
02939									<code>\acwleftarcarrow</code>	left-side arc anticlockwise arrow
0293A									<code>\acwoverarcarrow</code>	top arc anticlockwise arrow
0293B									<code>\acwunderarcarrow</code>	bottom arc anticlockwise arrow
0293C									<code>\curvearrowrightminus</code>	top arc clockwise arrow with minus
0293D									<code>\curvearrowleftplus</code>	top arc anticlockwise arrow with plus
0293E									<code>\cwundercurvearrow</code>	lower right semicircular clockwise arrow
0293F									<code>\ccwundercurvearrow</code>	lower left semicircular anticlockwise arrow
02940									<code>\acwcirculararrow</code>	anticlockwise closed circle arrow
02941									<code>\cwcirculararrow</code>	clockwise closed circle arrow
02942									<code>\rightarrowshortleftarrow</code>	rightwards arrow above short leftwards arrow
02943									<code>\leftarrowshortrightarrow</code>	leftwards arrow above short rightwards arrow
02944									<code>\shortrightarrowleftarrow</code>	short rightwards arrow above leftwards arrow

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














































































































































usv	M	X	C	L	D	A	P	E	Macro	Description
02972									<code>\similarrrightarrow</code>	tilde operator above rightwards arrow
02973									<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
02974									<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
02975									<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
02976									<code>\ltlarr</code>	less-than above leftwards arrow
02977									<code>\leftarrowless</code>	leftwards arrow through less-than
02978									<code>\gtrarr</code>	greater-than above rightwards arrow
02979									<code>\subrarr</code>	subset above rightwards arrow
0297A									<code>\leftarrowsubset</code>	leftwards arrow through subset
0297B									<code>\suplarr</code>	superset above leftwards arrow
0297C									<code>\leftfishtail</code>	left fish tail
0297D									<code>\rightfishtail</code>	right fish tail
0297E									<code>\upfishtail</code>	up fish tail
0297F									<code>\downfishtail</code>	down fish tail
029CE									<code>\rtriltri</code>	right triangle above left triangle
029CF									<code>\ltrivb</code>	left triangle beside vertical bar
029D0									<code>\vbrtri</code>	vertical bar beside right triangle
029D1									<code>\lfbowtie</code>	left black bowtie
029D2									<code>\rfbowtie</code>	right black bowtie
029D3									<code>\fbowtie</code>	black bowtie
029D4									<code>\lftimes</code>	left black times
029D5									<code>\rftimes</code>	right black times
029DF									<code>\dualmap</code>	double-ended multimap
029E1									<code>\lrtriangleeq</code>	increases as
029E3									<code>\eparsl</code>	equals sign and slanted parallel
029E4									<code>\smeparsl</code>	equals sign and slanted parallel with tilde above
029E5									<code>\eqvparsl</code>	identical to and slanted parallel
029E6									<code>\gleichstark</code>	gleich stark
029F4									<code>\ruledelayed</code>	rule-delayed
02A59									<code>\veeonwedge</code>	logical or overlapping logical and
02A66									<code>\eqdot</code>	equals sign with dot below
02A67									<code>\dotequiv</code>	identical with dot above
02A68									<code>\equivVert</code>	triple horizontal bar with double vertical stroke
02A69									<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
02A6A									<code>\dotsim</code>	tilde operator with dot above
02A6B									<code>\simrdots</code>	tilde operator with rising dots
02A6C									<code>\simminusim</code>	similar minus similar
02A6D									<code>\congdot</code>	congruent with dot above
02A6E									<code>\asteq</code>	equals with asterisk
02A6F									<code>\hatapprox</code>	almost equal to with circumflex accent
02A70									<code>\approxqq</code>	approximately equal or equal to
02A73									<code>\eqqsim</code>	equals sign above tilde operator
02A74									<code>\Coloneq</code>	double colon equal
02A75									<code>\eqeq</code>	two consecutive equals signs
02A76									<code>\eqeqeq</code>	three consecutive equals signs
02A77									<code>\ddotseq</code>	equals sign with two dots above and two dots below
02A78									<code>\equivDD</code>	equivalent with four dots above
02A79									<code>\ltcir</code>	less-than with circle inside
02A7A									<code>\gtcir</code>	greater-than with circle inside
02A7B									<code>\ltquest</code>	less-than with question mark above



USV	M	X	C	L	D	A	P	E	Macro	Description
02A7C		↗		↖		↖			<code>\gtquest</code>	greater-than with question mark above
02A7D	↗	↗		↗	↗	↗	↗		<code>\leqslant</code> <sup>(a)</sup>	less-than or slanted equal to
02A7E	↗	↗		↗	↗	↗	↗		<code>\geqslant</code> <sup>(a)</sup>	greater-than or slanted equal to
02A7F		↗		↗		↗			<code>\lesdot</code>	less-than or slanted equal to with dot inside
02A80		↗		↗		↗			<code>\gesdot</code>	greater-than or slanted equal to with dot inside
02A81		↗		↗		↗			<code>\lesdoto</code>	less-than or slanted equal to with dot above
02A82		↗		↗		↗			<code>\gesdoto</code>	greater-than or slanted equal to with dot above
02A83		↗		↗		↗			<code>\lesdotor</code>	less-than or slanted equal to with dot above right
02A84		↗		↗		↗			<code>\gesdotor</code>	greater-than or slanted equal to with dot above left
02A85	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\lessapprox</code> <sup>(a)</sup>	less-than or approximate
02A86	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\gtrapprox</code> <sup>(a)</sup>	greater-than or approximate
02A87	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\lneq</code> <sup>(a)</sup>	less-than and single-line not equal to
02A88	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\gneq</code> <sup>(a)</sup>	greater-than and single-line not equal to
02A89	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\lnapprox</code> <sup>(a)</sup>	less-than and not approximate
02A8A	↗↗	↗↗		↗↗	↗↗	↗↗	↗↗		<code>\gnapprox</code> <sup>(a)</sup>	greater-than and not approximate
02A8B	↗↗↗↗	↗↗↗↗		↗↗↗↗	↗↗↗↗	↗↗↗↗	↗↗↗↗		<code>\lesseqgtr</code> <sup>(a)</sup>	less-than above double-line equal above greater-than
02A8C	↗↗↗↗	↗↗↗↗		↗↗↗↗	↗↗↗↗	↗↗↗↗	↗↗↗↗		<code>\gtreqless</code> <sup>(a)</sup>	greater-than above double-line equal above less-than
02A8D		↗↗↗↗		↗↗↗↗		↗↗↗↗			<code>\lsime</code>	less-than above similar or equal
02A8E		↗↗↗↗		↗↗↗↗		↗↗↗↗			<code>\gsime</code>	greater-than above similar or equal
02A8F		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\lsimg</code>	less-than above similar above greater-than
02A90		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\gsiml</code>	greater-than above similar above less-than
02A91		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\lgE</code>	less-than above greater-than above double-line equal
02A92		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\glE</code>	greater-than above less-than above double-line equal
02A93		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\lesges</code>	less-than above slanted equal above greater-than above slanted equal
02A94		↗↗↗↗		↗↗↗↗		↗↗↗↗			<code>\gesles</code>	greater-than above slanted equal above less-than above slanted equal
02A95	↗↗	↗↗		↗↗		↗↗	↗↗		<code>\eqslantless</code> <sup>(a)</sup>	slanted equal to or less-than
02A96	↗↗	↗↗		↗↗		↗↗	↗↗		<code>\eqslantgtr</code> <sup>(a)</sup>	slanted equal to or greater-than
02A97		↗↗		↗↗		↗↗			<code>\elsdot</code>	slanted equal to or less-than with dot inside
02A98		↗↗		↗↗		↗↗			<code>\egsdot</code>	slanted equal to or greater-than with dot inside
02A99		↗↗↗↗		↗↗↗↗		↗↗↗↗			<code>\eqqless</code>	double-line equal to or less-than
02A9A		↗↗↗↗		↗↗↗↗		↗↗↗↗			<code>\eqqgtr</code>	double-line equal to or greater-than
02A9B		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\eqqslantless</code>	double-line slanted equal to or less-than
02A9C		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\eqqslantgtr</code>	double-line slanted equal to or greater-than
02A9D		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\simless</code>	similar or less-than
02A9E		↗↗↗↗↗↗		↗↗↗↗↗↗		↗↗↗↗↗↗			<code>\simgtr</code>	similar or greater-than
02A9F		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\simlE</code>	similar above less-than above equals sign
02AA0		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\simgE</code>	similar above greater-than above equals sign
02AA1		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\Lt</code>	double nested less-than
02AA2		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗		↗↗↗↗↗↗↗↗			<code>\Gt</code>	double nested greater-than
02AA3		↗↗		↗↗		↗↗			<code>\partialmeetcontraction</code>	double less-than with underbar
02AA4		↗↗		↗↗		↗↗			<code>\glj</code>	greater-than overlapping less-than
02AA5		↗↗		↗↗		↗↗			<code>\gla</code>	greater-than beside less-than
02AA6		↗↗		↗↗		↗↗			<code>\ltcc</code>	less-than closed by curve
02AA7		↗↗		↗↗		↗↗			<code>\gtcc</code>	greater-than closed by curve
02AA8		↗↗		↗↗		↗↗			<code>\lescc</code>	less-than closed by curve above slanted equal
02AA9		↗↗		↗↗		↗↗			<code>\gescc</code>	greater-than closed by curve above slanted equal
02AAA		↗↗		↗↗		↗↗			<code>\smt</code>	smaller than

USV	M	X	C	L	D	A	P	E	Macro	Description
02AAB		➤		➤		➤			\lat	larger than
02AAC		⩵		⩵		⩵			\smte	smaller than or equal to
02AAD		⩶		⩶		⩶			\late	larger than or equal to
02AAE		⩷		⩷		⩷			\bumpeq	equals sign with bumpy above
02AAF	⩹	⩸		⩸		⩸	⩹		\preceq <sup>(p)</sup>	precedes above single-line equals sign
02AB0	⩺	⩹		⩹		⩹	⩺		\succeq <sup>(p)</sup>	succeeds above single-line equals sign
02AB1		⩻		⩻		⩻			\precneq	precedes above single-line not equal to
02AB2		⩼		⩼		⩼			\succneq	succeeds above single-line not equal to
02AB3		⩽		⩽		⩽			\preceqq	precedes above equals sign
02AB4		⩾		⩾		⩾			\succeqq	succeeds above equals sign
02AB5	⩿	⩿		⩿		⩿			\precneqq <sup>(a)</sup>	precedes above not equal to
02AB6	⪀	⪀		⪀		⪀			\succneqq <sup>(a)</sup>	succeeds above not equal to
02AB7	⪁	⪁		⪁	⪁	⪁			\precapprox <sup>(a)</sup>	precedes above almost equal to
02AB8	⪂	⪂		⪂	⪂	⪂			\succapprox <sup>(a)</sup>	succeeds above almost equal to
02AB9	⪃	⪃		⪃		⪃			\precnapprox <sup>(a)</sup>	precedes above not almost equal to
02ABA	⪄	⪄		⪄		⪄			\succnapprox <sup>(a)</sup>	succeeds above not almost equal to
02ABB		⪅		⪅		⪅			\Prec	double precedes
02ABC		⪆		⪆		⪆			\Succ	double succeeds
02ABD		⪇		⪇		⪇			\subsetdot	subset with dot
02ABE		⪈		⪈		⪈			\supsetdot	superset with dot
02ABF		⪉		⪉		⪉			\subsetplus	subset with plus sign below
02AC0		⪊		⪊		⪊			\supsetplus	superset with plus sign below
02AC1		⪋		⪋		⪋			\subsetmult	subset with multiplication sign below
02AC2		⪌		⪌		⪌			\supmult	superset with multiplication sign below
02AC3		⪍		⪍		⪍			\subedot	subset of or equal to with dot above
02AC4		⪎		⪎		⪎			\supedot	superset of or equal to with dot above
02AC5	⪏	⪏		⪏		⪏			\subseteqq <sup>(a)</sup>	subset of above equals sign
02AC6	⪐	⪐		⪐		⪐			\supseteqq <sup>(a)</sup>	superset of above equals sign
02AC7		⪑		⪑		⪑			\subset sim	subset of above tilde operator
02AC8		⪒		⪒		⪒			\sup sim	superset of above tilde operator
02AC9		⪓		⪓		⪓			\subsetapprox	subset of above almost equal to
02ACA		⪔		⪔		⪔			\supsetapprox	superset of above almost equal to
02ACB	⪕	⪕		⪕		⪕			\subsetsetneqq <sup>(a)</sup>	subset of above not equal to
02ACC	⪖	⪖		⪖		⪖			\supsetsetneqq <sup>(a)</sup>	superset of above not equal to
02ACD		⪗		⪗		⪗			\lsqhook	square left open box operator
02ACE		⪘		⪘		⪘			\rsqhook	square right open box operator
02ACF		⪙		⪙		⪙			\csub	closed subset
02AD0		⪚		⪚		⪚			\csup	closed superset
02AD1		⪛		⪛		⪛			\csube	closed subset or equal to
02AD2		⪜		⪜		⪜			\csupe	closed superset or equal to
02AD3		⪝		⪝		⪝			\subset sup	subset above superset
02AD4		⪞		⪞		⪞			\sup sub	superset above subset
02AD5		⪟		⪟		⪟			\subset sub	subset above subset
02AD6		⪠		⪠		⪠			\sup sup	superset above superset
02AD7		⪡		⪡		⪡			\sup hsub	superset beside subset
02AD8		⪢		⪢		⪢			\sup dsub	superset beside and joined by dash with subset
02AD9		⪣		⪣		⪣			\forkv	element of opening downwards
02ADA		⪤		⪤		⪤			\topfork	pitchfork with tee top
02ADB		⪥		⪥		⪥			\mlcp	transversal intersection

USV	M	X	C	L	D	A	P	E	Macro	Description
02ADC									<code>\forks</code>	forking
02ADD									<code>\forksnot</code>	nonforking
02ADE									<code>\shortlefttack</code>	short left tack
02ADF									<code>\shortdowntack</code>	short down tack
02AEO									<code>\shortuptack</code>	short up tack
02AE2									<code>\vDdash</code>	vertical bar triple right turnstile
02AE3									<code>\dashV</code>	double vertical bar left turnstile
02AE4									<code>\Dashv</code>	vertical bar double left turnstile
02AE5									<code>\DashV</code>	double vertical bar double left turnstile
02AE6									<code>\varVdash</code>	long dash from left member of double vertical
02AE7									<code>\Barv</code>	short down tack with overbar
02AE8									<code>\vBar</code>	short up tack with underbar
02AE9									<code>\vBarv</code>	short up tack above short down tack
02AEA									<code>\barV</code>	double down tack
02AEB									<code>\Vbar</code>	double up tack
02AEC									<code>\Not</code>	double stroke not sign
02AED									<code>\bNot</code>	reversed double stroke not sign
02AEE									<code>\revnmid</code>	does not divide with reversed negation slash
02AEF									<code>\cirmid</code>	vertical line with circle above
02AFO									<code>\midcir</code>	vertical line with circle below
02AF2									<code>\nhpar</code>	parallel with horizontal stroke
02AF3									<code>\parsim</code>	parallel with tilde operator
02AF7									<code>\lllnest</code>	stacked very much less-than
02AF8									<code>\gggnest</code>	stacked very much greater-than
02AF9									<code>\leqqslant</code>	double-line slanted less-than or equal to
02AFA									<code>\geqqslant</code>	double-line slanted greater-than or equal to
02B30									<code>\circlearrowleft</code>	left arrow with small circle
02B31									<code>\leftthreetarrows</code>	three leftwards arrows
02B32									<code>\leftarrowonoplus</code>	left arrow with circled plus
02B33									<code>\longleftsquigarrow</code>	long leftwards squiggle arrow
02B34									<code>\nVtwoheadleftarrow</code>	leftwards two-headed arrow with vertical stroke
02B35									<code>\nVtwoheadleftarrow</code>	leftwards two-headed arrow with double vertical stroke
02B36									<code>\twoheadmapsfrom</code>	leftwards two-headed arrow from bar
02B37									<code>\twoheadleftdbkarrow</code>	leftwards two-headed triple-dash arrow
02B38									<code>\leftdotarrow</code>	leftwards arrow with dotted stem
02B39									<code>\nvleftarrowtail</code>	leftwards arrow with tail with vertical stroke
02B3A									<code>\nVleftarrowtail</code>	leftwards arrow with tail with double vertical stroke
02B3B									<code>\twoheadleftarrowtail</code>	leftwards two-headed arrow with tail
02B3C									<code>\nVtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with vertical stroke
02B3D									<code>\nVtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with double vertical stroke
02B3E									<code>\leftarrowx</code>	leftwards arrow through x
02B3F									<code>\leftcurvedarrow</code>	wave arrow pointing directly left
02B40									<code>\equalleftarrow</code>	equals sign above leftwards arrow
02B41									<code>\bsimilarleftarrow</code>	reverse tilde operator above leftwards arrow
02B42									<code>\leftarrowbackapprox</code>	leftwards arrow above reverse almost equal to
02B43									<code>\rightarrowwgt</code>	rightwards arrow through less-than
02B44									<code>\rightarrowwgtsubset</code>	rightwards arrow through subset
02B45									<code>\LLeftarrow</code>	leftwards quadruple arrow
02B46									<code>\Rrightarrow</code>	rightwards quadruple arrow

USV	M	X	C	L	D	A	P	E	Macro	Description
02B47									<code>\bsimilarrrightarrow</code>	reverse tilde operator above rightwards arrow
02B48									<code>\rightarrowbackapprox</code>	rightwards arrow above reverse almost equal to
02B49									<code>\similarleftarrow</code>	tilde operator above leftwards arrow
02B4A									<code>\leftarrowapprox</code>	leftwards arrow above almost equal to
02B4B									<code>\leftarrowbsimilar</code>	leftwards arrow above reverse tilde operator
02B4C									<code>\rightarrowarrowbsimilar</code>	rightttwards arrow above reverse tilde operator

## 13 Alphabetical symbols, \mathalpha

### 13.1 Normal weight

#### 13.1.1 Upright Greek, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
00391	Α	Α	Α	Α	Α	Α	Α	Α	\upAlpha	capital alpha, greek
00392	Β	Β	Β	Β	Β	Β	Β	Β	\upBeta	capital beta, greek
00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\upGamma	capital gamma, greek
00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\upDelta	capital delta, greek
00395	Ε	Ε	Ε	Ε	Ε	Ε	Ε	Ε	\upEpsilon	capital epsilon, greek
00396	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	Ζ	\upZeta	capital zeta, greek
00397	Η	Η	Η	Η	Η	Η	Η	Η	\upEta	capital eta, greek
00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\upTheta	capital theta, greek
00399	Ι	Ι	Ι	Ι	Ι	Ι	Ι	Ι	\upIota	capital iota, greek
0039A	Κ	Κ	Κ	Κ	Κ	Κ	Κ	Κ	\upKappa	capital kappa, greek
0039B	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\upLambda	capital lambda, greek
0039C	Μ	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\upMu	capital mu, greek
0039D	Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\upNu	capital nu, greek
0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\upXi	capital xi, greek
0039F	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\upOmicron	capital omicron, greek
003A0	Π	Π	Π	Π	Π	Π	Π	Π	\upPi	capital pi, greek
003A1	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\upRho	capital rho, greek
003A3	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\upSigma	capital sigma, greek
003A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\upTau	capital tau, greek
003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\upUpsilon	capital upsilon, greek
003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\upPhi	capital phi, greek
003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\upChi	capital chi, greek
003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\upPsi	capital psi, greek
003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\upOmega	capital omega, greek

#### 13.1.2 Upright Greek, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
003B1	α	α	α	α	α	α	α	α	\upalpha	small alpha, greek
003B2	β	β	β	β	β	β	β	β	\upbeta	small beta, greek
003B3	γ	γ	γ	γ	γ	γ	γ	γ	\upgamma	small gamma, greek
003B4	δ	δ	δ	δ	δ	δ	δ	δ	\updelta	small delta, greek
003B5	ε	ε	ε	ε	ε	ε	ε	ε	\upepsilon	rounded small epsilon, greek
003B6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\upzeta	small zeta, greek
003B7	η	η	η	η	η	η	η	η	\upeta	small eta, greek
003B8	θ	θ	θ	θ	θ	θ	θ	θ	\uptheta	straight theta, small theta, greek
003B9	ι	ι	ι	ι	ι	ι	ι	ι	\upiota	small iota, greek
003BA	κ	κ	κ	κ	κ	κ	κ	κ	\upkappa	small kappa, greek
003BB	λ	λ	λ	λ	λ	λ	λ	λ	\uplambda	small lambda, greek
003BC	μ	μ	μ	μ	μ	μ	μ	μ	\upmu	small mu, greek
003BD	ν	ν	ν	ν	ν	ν	ν	ν	\upnu	small nu, greek

USV	M	X	C	L	D	A	P	E	Macro	Description
003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\upxi	small xi, greek
003BF	ο	ο	ο	ο	ο	ο	ο	ο	\upomicron	small omicron, greek
003C0	π	π	π	π	π	π	π	π	\uppi	small pi, greek
003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\uprho	small rho, greek
003C2	ς	ς	ς	ς	ς	ς	ς		\upvarsigma	terminal sigma, greek
003C3	σ	σ	σ	σ	σ	σ	σ	σ	\upsigma	small sigma, greek
003C4	τ	τ	τ	τ	τ	τ	τ	τ	\uptau	small tau, greek
003C5	υ	υ	υ	υ	υ	υ	υ	υ	\upupsilon	small upsilon, greek
003C6	φ	φ	φ	φ	φ	φ	φ	φ	\upvarphi	curly or open small phi, greek
003C7	χ	χ	χ	χ	χ	χ	χ	χ	\upchi	small chi, greek
003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\uppsi	small psi, greek
003C9	ω	ω	ω	ω	ω	ω	ω	ω	\upomega	small omega, greek
003D0	β	β				β			\upvarbeta	rounded small beta, greek
003D1	θ	θ	θ	θ	θ	θ	θ	θ	\upvartheta	/vartheta - curly or open theta
003D5	φ	φ	φ	φ	φ	φ	φ	φ	\upphi	/straightphi - small phi, greek
003D6	ω	ω	ω	ω	ω	ω	ω	ω	\upvarpi	rounded small pi (pomega), greek
003DA		ς	ς						\upStigma	capital stigma
003DB		ς	ς						\upstigma	greek small letter stigma
003DC		Ϝ	Ϝ	Ϝ	Ϝ	Ϝ			\upDigamma	capital digamma
003DD		ϝ	ϝ			ϝ			\updigamma	old greek small letter digamma
003DE		Ϟ	Ϟ						\upKoppa	capital koppa
003DF		ϟ	ϟ						\upkoppa	greek small letter koppa
003E0		Ϡ	Ϡ						\upSampi	capital sampi
003E1		ϡ	ϡ						\upsampi	greek small letter sampi
003F0		κ	κ	κ	κ	κ			\upvarkappa	rounded small kappa, greek
003F1	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ	ϱ		\upvarrho	rounded small rho, greek
003F4		Θ	Θ			Θ	Θ		\upvarTheta	greek capital theta symbol
003F5	ε	ε	ε	ε	ε	ε	ε	ε	\upvarepsilon	greek lunate epsilon symbol

### 13.1.3 Italic, Latin, uppercase

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

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

### 13.1.4 Italic, Latin, lowercase

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

### 13.1.5 Italic Greek, uppercase

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

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

### 13.1.6 Italic Greek, lowercase

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



USV	M	X	C	L	D	A	P	E	Macro	Description
1D70F	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$		\mittau	mathematical italic small tau
1D710	$v$	$v$	$v$	$v$	$v$	$v$	$v$		\mitupsilon	mathematical italic small upsilon
1D711	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$		\mitphi	mathematical italic small phi
1D712	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$		\mitchi	mathematical italic small chi
1D713	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$		\mitpsi	mathematical italic small psi
1D714	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$		\mitomega	mathematical italic small omega
1D715	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$		\mitpartial	mathematical italic partial differential
1D716	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$		\mitvarepsilon	mathematical italic epsilon symbol
1D717	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$		\mitvartheta	mathematical italic theta symbol
1D718	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$		\mitvarkappa	mathematical italic kappa symbol
1D719	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$		\mitvarphi	mathematical italic phi symbol
1D71A	$\varrho$	$\varrho$	$\varrho$	$\varrho$	$\varrho$	$\varrho$	$\varrho$		\mitvarrho	mathematical italic rho symbol
1D71B	$\varpi$	$\varpi$	$\varpi$	$\varpi$	$\varpi$	$\varpi$	$\varpi$		\mitvarpi	mathematical italic pi symbol

### 13.1.7 Script, Latin, uppercase

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

### 13.1.8 Script, Latin, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D4B6		$a$	$a$	$a$		$a$	$a$		\mscra	mathematical script small a
1D4B7		$b$	$b$	$b$		$b$	$b$		\mscrb	mathematical script small b
1D4B8		$c$	$c$	$c$		$c$	$c$		\mscrc	mathematical script small c
1D4B9		$d$	$d$	$d$		$d$	$d$		\mscrd	mathematical script small d
1D4BB		$f$	$f$	$f$		$f$	$f$		\mscrf	mathematical script small f

USV	M	X	C	L	D	A	P	E	Macro	Description
1D4BD		<i>h</i>	<i>h</i>	<i>h</i>		<i>h</i>	<i>h</i>		<code>\mscrh</code>	mathematical script small h
1D4BE		<i>i</i>	<i>i</i>	<i>i</i>		<i>i</i>	<i>i</i>		<code>\mscri</code>	mathematical script small i
1D4BF		<i>j</i>	<i>j</i>	<i>j</i>		<i>j</i>	<i>j</i>		<code>\mscrj</code>	mathematical script small j
1D4C0		<i>k</i>	<i>k</i>	<i>k</i>		<i>k</i>	<i>k</i>		<code>\mscrk</code>	mathematical script small k
1D4C1		<i>l</i>	<i>l</i>	<i>l</i>		<i>l</i>	<i>l</i>		<code>\mscr1</code>	mathematical script small l
1D4C2		<i>m</i>	<i>m</i>	<i>m</i>		<i>m</i>	<i>m</i>		<code>\mscrm</code>	mathematical script small m
1D4C3		<i>n</i>	<i>n</i>	<i>n</i>		<i>n</i>	<i>n</i>		<code>\mscrn</code>	mathematical script small n
1D4C5		<i>p</i>	<i>p</i>	<i>p</i>		<i>p</i>	<i>p</i>		<code>\mscrp</code>	mathematical script small p
1D4C6		<i>q</i>	<i>q</i>	<i>q</i>		<i>q</i>	<i>q</i>		<code>\mscrq</code>	mathematical script small q
1D4C7		<i>r</i>	<i>r</i>	<i>r</i>		<i>r</i>	<i>r</i>		<code>\mscrr</code>	mathematical script small r
1D4C8		<i>s</i>	<i>s</i>	<i>s</i>		<i>s</i>	<i>s</i>		<code>\mscrs</code>	mathematical script small s
1D4C9		<i>t</i>	<i>t</i>	<i>t</i>		<i>t</i>	<i>t</i>		<code>\mscrt</code>	mathematical script small t
1D4CA		<i>u</i>	<i>u</i>	<i>u</i>		<i>u</i>	<i>u</i>		<code>\mscru</code>	mathematical script small u
1D4CB		<i>v</i>	<i>v</i>	<i>v</i>		<i>v</i>	<i>v</i>		<code>\mscrv</code>	mathematical script small v
1D4CC		<i>w</i>	<i>w</i>	<i>w</i>		<i>w</i>	<i>w</i>		<code>\mscrw</code>	mathematical script small w
1D4CD		<i>x</i>	<i>x</i>	<i>x</i>		<i>x</i>	<i>x</i>		<code>\mscrx</code>	mathematical script small x
1D4CE		<i>y</i>	<i>y</i>	<i>y</i>		<i>y</i>	<i>y</i>		<code>\mscry</code>	mathematical script small y
1D4CF		<i>z</i>	<i>z</i>	<i>z</i>		<i>z</i>	<i>z</i>		<code>\mscrz</code>	mathematical script small z

### 13.1.9 Fraktur, Latin, uppercase

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

### 13.1.10 Fraktur, Latin, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D51E	<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
1D51F	<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
1D520	<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
1D521	<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 small d
1D522	<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 small e
1D523	<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 small f
1D524	<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 small g
1D525	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>		<b>h</b>	<b>h</b>	<b>h</b>	<code>\mfrakh</code>	mathematical fraktur small h
1D526	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>		<b>i</b>	<b>i</b>	<b>i</b>	<code>\mfraki</code>	mathematical fraktur small i
1D527	<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 small j
1D528	<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 small k
1D529	<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 small l
1D52A	<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 small m
1D52B	<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 small n
1D52C	<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 small o
1D52D	<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 small p
1D52E	<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 small q
1D52F	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>		<b>r</b>	<b>r</b>	<b>r</b>	<code>\mfrakr</code>	mathematical fraktur small r
1D530	<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 small s
1D531	<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 small t
1D532	<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 small u
1D533	<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 small v
1D534	<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 small w
1D535	<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 small x
1D536	<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 small y
1D537	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>		<b>z</b>	<b>z</b>	<b>z</b>	<code>\mfrakz</code>	mathematical fraktur small z

### 13.1.11 Blackboard, Latin, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D538	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		<code>\BbbA</code>	mathematical double-struck capital a
1D539	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		<code>\BbbB</code>	mathematical double-struck capital b
1D53B	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>		<code>\BbbD</code>	mathematical double-struck capital d
1D53C	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		<code>\BbbE</code>	mathematical double-struck capital e
1D53D	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>		<code>\BbbF</code>	mathematical double-struck capital f
1D53E	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>		<code>\BbbG</code>	mathematical double-struck capital g
1D540	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		<code>\BbbI</code>	mathematical double-struck capital i
1D541	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>		<code>\BbbJ</code>	mathematical double-struck capital j
1D542	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		<code>\BbbK</code>	mathematical double-struck capital k
1D543	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>		<code>\BbbL</code>	mathematical double-struck capital l
1D544	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		<code>\BbbM</code>	mathematical double-struck capital m
1D546	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		<code>\BbbO</code>	mathematical double-struck capital o
1D54A	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>		<code>\BbbS</code>	mathematical double-struck capital s
1D54B	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>		<code>\BbbT</code>	mathematical double-struck capital t
1D54C	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>		<code>\BbbU</code>	mathematical double-struck capital u

USV	M	X	C	L	D	A	P	E	Macro	Description
1D54D	V	V	V	V	V	V	V		\BbbV	mathematical double-struck capital v
1D54E	W	W	W	W	W	W	W		\BbbW	mathematical double-struck capital w
1D54F	X	X	X	X	X	X	X		\BbbX	mathematical double-struck capital x
1D550	Y	Y	Y	Y	Y	Y	Y		\BbbY	mathematical double-struck capital y

### 13.1.12 Blackboard, Latin, lowercase

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

### 13.1.13 Sans serif, Latin, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D5A0	A	A	A	A	A	A	A		\msansA	mathematical sans-serif capital a
1D5A1	B	B	B	B	B	B	B		\msansB	mathematical sans-serif capital b
1D5A2	C	C	C	C	C	C	C		\msansC	mathematical sans-serif capital c
1D5A3	D	D	D	D	D	D	D		\msansD	mathematical sans-serif capital d
1D5A4	E	E	E	E	E	E	E		\msansE	mathematical sans-serif capital e
1D5A5	F	F	F	F	F	F	F		\msansF	mathematical sans-serif capital f

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

### 13.1.14 Sans serif, Latin, lowercase

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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D5D1	x	x	x	x	x	x	x		\msansx	mathematical sans-serif small x
1D5D2	y	y	y	y	y	y	y		\msansy	mathematical sans-serif small y
1D5D3	z	z	z	z	z	z	z		\msansz	mathematical sans-serif small z

### 13.1.15 Italic sans serif, Latin, uppercase

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

### 13.1.16 Italic sans serif, Latin, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D622	a	a	a	a	a	a	a		\mitsansa	mathematical sans-serif italic small a
1D623	b	b	b	b	b	b	b		\mitsansb	mathematical sans-serif italic small b
1D624	c	c	c	c	c	c	c		\mitsansc	mathematical sans-serif italic small c
1D625	d	d	d	d	d	d	d		\mitsansd	mathematical sans-serif italic small d
1D626	e	e	e	e	e	e	e		\mitsanse	mathematical sans-serif italic small e
1D627	f	f	f	f	f	f	f		\mitsansf	mathematical sans-serif italic small f
1D628	g	g	g	g	g	g	g		\mitsansg	mathematical sans-serif italic small g

USV	M	X	C	L	D	A	P	E	Macro	Description
1D629	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>		\mitsansh	mathematical sans-serif italic small h
1D62A	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>		\mitsansi	mathematical sans-serif italic small i
1D62B	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>		\mitsansj	mathematical sans-serif italic small j
1D62C	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>		\mitsansk	mathematical sans-serif italic small k
1D62D	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>		\mitsansl	mathematical sans-serif italic small l
1D62E	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>		\mitsansm	mathematical sans-serif italic small m
1D62F	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>		\mitsansn	mathematical sans-serif italic small n
1D630	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>		\mitsanso	mathematical sans-serif italic small o
1D631	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>		\mitsansp	mathematical sans-serif italic small p
1D632	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>		\mitsansq	mathematical sans-serif italic small q
1D633	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>		\mitsansr	mathematical sans-serif italic small r
1D634	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>		\mitsanss	mathematical sans-serif italic small s
1D635	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>		\mitsanst	mathematical sans-serif italic small t
1D636	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>		\mitsansu	mathematical sans-serif italic small u
1D637	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>		\mitsansv	mathematical sans-serif italic small v
1D638	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>		\mitsansw	mathematical sans-serif italic small w
1D639	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>		\mitsansx	mathematical sans-serif italic small x
1D63A	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>		\mitsansy	mathematical sans-serif italic small y
1D63B	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>		\mitsansz	mathematical sans-serif italic small z

### 13.1.17 Typewriter, Latin, uppercase

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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D688	Y	Y		Y	Y	Y	Y		\mttY	mathematical monospace capital y
1D689	Z	Z		Z	Z	Z	Z		\mttZ	mathematical monospace capital z

### 13.1.18 Typewriter, Latin, lowercase

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

## 13.2 Bold

### 13.2.1 Bold, Latin, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D400	A	A	A	A	A	A	A	A	\mbfA	mathematical bold capital a
1D401	B	B	B	B	B	B	B	B	\mbfB	mathematical bold capital b
1D402	C	C	C	C	C	C	C	C	\mbfC	mathematical bold capital c
1D403	D	D	D	D	D	D	D	D	\mbfD	mathematical bold capital d
1D404	E	E	E	E	E	E	E	E	\mbfE	mathematical bold capital e
1D405	F	F	F	F	F	F	F	F	\mbfF	mathematical bold capital f
1D406	G	G	G	G	G	G	G	G	\mbfG	mathematical bold capital g



USV	M	X	C	L	D	A	P	E	Macro	Description
1D407	<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>\mbfH</code>	mathematical bold capital h
1D408	<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>\mbfI</code>	mathematical bold capital i
1D409	<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>\mbfJ</code>	mathematical bold capital j
1D40A	<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>\mbfK</code>	mathematical bold capital k
1D40B	<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>\mbfL</code>	mathematical bold capital l
1D40C	<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>\mbfM</code>	mathematical bold capital m
1D40D	<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>\mbfN</code>	mathematical bold capital n
1D40E	<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>\mbfO</code>	mathematical bold capital o
1D40F	<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>\mbfP</code>	mathematical bold capital p
1D410	<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>\mbfQ</code>	mathematical bold capital q
1D411	<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>\mbfR</code>	mathematical bold capital r
1D412	<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>\mbfS</code>	mathematical bold capital s
1D413	<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>\mbfT</code>	mathematical bold capital t
1D414	<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>\mbfU</code>	mathematical bold capital u
1D415	<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>\mbfV</code>	mathematical bold capital v
1D416	<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>\mbfW</code>	mathematical bold capital w
1D417	<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>\mbfX</code>	mathematical bold capital x
1D418	<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>\mbfY</code>	mathematical bold capital y
1D419	<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>\mbfZ</code>	mathematical bold capital z

### 13.2.2 Bold, Latin, lowercase

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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D432	<b>Ƴ</b>	<b>ƴ</b>	<b>Ƶ</b>	<b>ƶ</b>	<b>Ʒ</b>	<b>Ƹ</b>	<b>ƹ</b>	<b>ƺ</b>	<code>\mbfy</code>	mathematical bold small y
1D433	<b>ƻ</b>	<b>Ƽ</b>	<b>ƽ</b>	<b>ƿ</b>	<b>ƺ</b>	<b>ƻ</b>	<b>Ƽ</b>	<b>ƾ</b>	<code>\mbfz</code>	mathematical bold small z

### 13.2.3 Bold Greek, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D6A8	<b>Α</b>	<b>Β</b>	<b>Γ</b>	<b>Δ</b>	<b>Ε</b>	<b>Ζ</b>	<b>Η</b>	<b>Θ</b>	<code>\mbfAlpha</code>	mathematical bold capital alpha
1D6A9	<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>\mbfBeta</code>	mathematical bold capital beta
1D6AA	<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>\mbfGamma</code>	mathematical bold capital gamma
1D6AB	<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>\mbfDelta</code>	mathematical bold capital delta
1D6AC	<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 capital epsilon
1D6AD	<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>\mbfZeta</code>	mathematical bold capital zeta
1D6AE	<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>\mbfEta</code>	mathematical bold capital eta
1D6AF	<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>\mbfTheta</code>	mathematical bold capital theta
1D6B0	<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>\mbfIota</code>	mathematical bold capital iota
1D6B1	<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>\mbfKappa</code>	mathematical bold capital kappa
1D6B2	<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>\mbfLambda</code>	mathematical bold capital lambda
1D6B3	<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>\mbfMu</code>	mathematical bold capital mu
1D6B4	<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>\mbfNu</code>	mathematical bold capital nu
1D6B5	<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>\mbfXi</code>	mathematical bold capital xi
1D6B6	<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>\mbfOmicron</code>	mathematical bold capital omicron
1D6B7	<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>\mbfPi</code>	mathematical bold capital pi
1D6B8	<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>\mbfRho</code>	mathematical bold capital rho
1D6B9		<b>Θ</b>	<b>Θ</b>			<b>Θ</b>	<b>Θ</b>		<code>\mbfvarTheta</code>	mathematical bold capital theta symbol
1D6BA	<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 capital sigma
1D6BB	<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 capital tau
1D6BC	<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 capital upsilon
1D6BD	<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 capital phi
1D6BE	<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 capital chi
1D6BF	<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 capital psi
1D6C0	<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 capital omega

### 13.2.4 Bold Greek, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D6C2	<b>α</b>	<b>β</b>	<b>γ</b>	<b>δ</b>	<b>ε</b>	<b>ζ</b>	<b>η</b>	<b>θ</b>	<code>\mbfalpha</code>	mathematical bold small alpha
1D6C3	<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>\mbfbeta</code>	mathematical bold small beta
1D6C4	<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>\mbfgamma</code>	mathematical bold small gamma
1D6C5	<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>\mbfdelta</code>	mathematical bold small delta
1D6C6	<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 small epsilon
1D6C7	<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>\mbfzeta</code>	mathematical bold small zeta
1D6C8	<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>\mbfeta</code>	mathematical bold small eta
1D6C9	<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>\mbftheta</code>	mathematical bold small theta
1D6CA	<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>\mbfiota</code>	mathematical bold small iota

USV	M	X	C	L	D	A	P	E	Macro	Description
1D6CB	κ	κ	κ	κ	κ	κ	κ	κ	\mbfkappa	mathematical bold small kappa
1D6CC	λ	λ	λ	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
1D6CD	μ	μ	μ	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
1D6CE	ν	ν	ν	ν	ν	ν	ν	ν	\mbfnu	mathematical bold small nu
1D6CF	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
1D6D0	ο	ο	ο	ο	ο	ο	ο	ο	\mbfomicron	mathematical bold small omicron
1D6D1	π	π	π	π	π	π	π	π	\mbfpi	mathematical bold small pi
1D6D2	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfrho	mathematical bold small rho
1D6D3	ς	ς	ς	ς	ς	ς	ς		\mbfvarsigma	mathematical bold small final sigma
1D6D4	σ	σ	σ	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma
1D6D5	τ	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau
1D6D6	υ	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
1D6D7	φ	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
1D6D8	χ	χ	χ	χ	χ	χ	χ	χ	\mbfchi	mathematical bold small chi
1D6D9	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
1D6DA	ω	ω	ω	ω	ω	ω	ω	ω	\mbfomega	mathematical bold small omega
1D6DB	∂	∂	∂	∂	∂	∂	∂	∂	\mbfpartial	mathematical bold partial differential
1D6DC	ε	ε	ε	ε	ε	ε	ε	ε	\mbfvarepsilon	mathematical bold epsilon symbol
1D6DD	θ	θ	θ	θ	θ	θ	θ	θ	\mbfvartheta	mathematical bold theta symbol
1D6DE		κ	κ	κ	κ	κ			\mbfvarkappa	mathematical bold kappa symbol
1D6DF	φ	φ	φ	φ	φ	φ	φ	φ	\mbfphi	mathematical bold phi symbol
1D6E0	ρ	ρ	ρ	ρ	ρ	ρ	ρ		\mbfvarrho	mathematical bold rho symbol
1D6E1	ω	ω	ω	ω	ω	ω	ω	ω	\mbfvarpi	mathematical bold pi symbol

### 13.2.5 Bold italic, Latin, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D468	A	A	A	A	A	A	A		\mbfitA	mathematical bold italic capital a
1D469	B	B	B	B	B	B	B		\mbfitB	mathematical bold italic capital b
1D46A	C	C	C	C	C	C	C		\mbfitC	mathematical bold italic capital c
1D46B	D	D	D	D	D	D	D		\mbfitD	mathematical bold italic capital d
1D46C	E	E	E	E	E	E	E		\mbfitE	mathematical bold italic capital e
1D46D	F	F	F	F	F	F	F		\mbfitF	mathematical bold italic capital f
1D46E	G	G	G	G	G	G	G		\mbfitG	mathematical bold italic capital g
1D46F	H	H	H	H	H	H	H		\mbfitH	mathematical bold italic capital h
1D470	I	I	I	I	I	I	I		\mbfitI	mathematical bold italic capital i
1D471	J	J	J	J	J	J	J		\mbfitJ	mathematical bold italic capital j
1D472	K	K	K	K	K	K	K		\mbfitK	mathematical bold italic capital k
1D473	L	L	L	L	L	L	L		\mbfitL	mathematical bold italic capital l
1D474	M	M	M	M	M	M	M		\mbfitM	mathematical bold italic capital m
1D475	N	N	N	N	N	N	N		\mbfitN	mathematical bold italic capital n
1D476	O	O	O	O	O	O	O		\mbfitO	mathematical bold italic capital o
1D477	P	P	P	P	P	P	P		\mbfitP	mathematical bold italic capital p
1D478	Q	Q	Q	Q	Q	Q	Q		\mbfitQ	mathematical bold italic capital q
1D479	R	R	R	R	R	R	R		\mbfitR	mathematical bold italic capital r
1D47A	S	S	S	S	S	S	S		\mbfitS	mathematical bold italic capital s
1D47B	T	T	T	T	T	T	T		\mbfitT	mathematical bold italic capital t

USV	M	X	C	L	D	A	P	E	Macro	Description
1D47C	U	U	U	U	U	U	U		\mbfitU	mathematical bold italic capital u
1D47D	V	V	V	V	V	V	V		\mbfitV	mathematical bold italic capital v
1D47E	W	W	W	W	W	W	W		\mbfitW	mathematical bold italic capital w
1D47F	X	X	X	X	X	X	X		\mbfitX	mathematical bold italic capital x
1D480	Y	Y	Y	Y	Y	Y	Y		\mbfitY	mathematical bold italic capital y
1D481	Z	Z	Z	Z	Z	Z	Z		\mbfitZ	mathematical bold italic capital z

### 13.2.6 Bold italic, Latin, lowercase

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

### 13.2.7 Bold italic Greek, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D71C	Α	Α	Α	Α	Α	Α	Α		\mbfitAlpha	mathematical bold italic capital alpha
1D71D	Β	Β	Β	Β	Β	Β	Β		\mbfitBeta	mathematical bold italic capital beta
1D71E	Γ	Γ	Γ	Γ	Γ	Γ	Γ		\mbfitGamma	mathematical bold italic capital gamma
1D71F	Δ	Δ	Δ	Δ	Δ	Δ	Δ		\mbfitDelta	mathematical bold italic capital delta

USV	M	X	C	L	D	A	P	E	Macro	Description
1D720	<i><b>E</b></i>	<i><b>E</b></i>	<i><b>E</b></i>	<i><b>E</b></i>	<i><b>E</b></i>	<i><b>E</b></i>	<i><b>E</b></i>		\mbfitEpsilon	mathematical bold italic capital epsilon
1D721	<i><b>Z</b></i>	<i><b>Z</b></i>	<i><b>Z</b></i>	<i><b>Z</b></i>	<i><b>Z</b></i>	<i><b>Z</b></i>	<i><b>Z</b></i>		\mbfitZeta	mathematical bold italic capital zeta
1D722	<i><b>H</b></i>	<i><b>H</b></i>	<i><b>H</b></i>	<i><b>H</b></i>	<i><b>H</b></i>	<i><b>H</b></i>	<i><b>H</b></i>		\mbfitEta	mathematical bold italic capital eta
1D723	<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>		\mbfitTheta	mathematical bold italic capital theta
1D724	<i><b>I</b></i>	<i><b>I</b></i>	<i><b>I</b></i>	<i><b>I</b></i>	<i><b>I</b></i>	<i><b>I</b></i>	<i><b>I</b></i>		\mbfitIota	mathematical bold italic capital iota
1D725	<i><b>K</b></i>	<i><b>K</b></i>	<i><b>K</b></i>	<i><b>K</b></i>	<i><b>K</b></i>	<i><b>K</b></i>	<i><b>K</b></i>		\mbfitKappa	mathematical bold italic capital kappa
1D726	<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>		\mbfitLambda	mathematical bold italic capital lambda
1D727	<i><b>M</b></i>	<i><b>M</b></i>	<i><b>M</b></i>	<i><b>M</b></i>	<i><b>M</b></i>	<i><b>M</b></i>	<i><b>M</b></i>		\mbfitMu	mathematical bold italic capital mu
1D728	<i><b>N</b></i>	<i><b>N</b></i>	<i><b>N</b></i>	<i><b>N</b></i>	<i><b>N</b></i>	<i><b>N</b></i>	<i><b>N</b></i>		\mbfitNu	mathematical bold italic capital nu
1D729	<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>		\mbfitXi	mathematical bold italic capital xi
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>		\mbfitOmicron	mathematical bold italic capital omicron
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>		\mbfitPi	mathematical bold italic capital pi
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>		\mbfitRho	mathematical bold italic capital rho
1D72D		<i><b>Θ</b></i>	<i><b>Θ</b></i>				<i><b>Θ</b></i>	<i><b>Θ</b></i>	\mbfitvarTheta	mathematical bold italic capital theta symbol
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>		\mbfitSigma	mathematical bold italic capital sigma
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>		\mbfitTau	mathematical bold italic capital tau
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>		\mbfitUpsilon	mathematical bold italic capital upsilon
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>		\mbfitPhi	mathematical bold italic capital phi
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>		\mbfitChi	mathematical bold italic capital chi
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>		\mbfitPsi	mathematical bold italic capital psi
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>		\mbfitOmega	mathematical bold italic capital omega

### 13.2.8 Bold italic Greek, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
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>		\mbfitalpha	mathematical bold italic small alpha
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>		\mbfitbeta	mathematical bold italic small beta
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>		\mbfitgamma	mathematical bold italic small gamma
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>		\mbfitdelta	mathematical bold italic small delta
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>		\mbfitepsilon	mathematical bold italic small epsilon
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>		\mbfitzeta	mathematical bold italic small zeta
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>		\mbfiteta	mathematical bold italic small eta
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>		\mbfittheta	mathematical bold italic small theta
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>		\mbfitiota	mathematical bold italic small iota
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>		\mbfitkappa	mathematical bold italic small kappa
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>		\mbfitlambda	mathematical bold italic small lambda
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>		\mbfitmu	mathematical bold italic small mu
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>		\mbfitnu	mathematical bold italic small nu
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>		\mbfitxi	mathematical bold italic small xi
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>		\mbfitomicron	mathematical bold italic small omicron
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>		\mbfitpi	mathematical bold italic small pi
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>		\mbfitrho	mathematical bold italic small rho
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>		\mbfitvarsigma	mathematical bold italic small final sigma
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>		\mbfitsigma	mathematical bold italic small sigma
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>		\mbfittau	mathematical bold italic small tau
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>		\mbfitupsilon	mathematical bold italic small upsilon
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>		\mbfitphi	mathematical bold italic small phi

USV	M	X	C	L	D	A	P	E	Macro	Description
1D74C	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>		<code>\mbfitchi</code>	mathematical bold italic small chi
1D74D	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>		<code>\mbfitpsi</code>	mathematical bold italic small psi
1D74E	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>		<code>\mbfitomega</code>	mathematical bold italic small omega
1D74F	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>		<code>\mbfitpartial</code>	mathematical bold italic partial differential
1D750	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>		<code>\mbfitvarepsilon</code>	mathematical bold italic epsilon symbol
1D751	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>		<code>\mbfitvartheta</code>	mathematical bold italic theta symbol
1D752		<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>			<code>\mbfitvarkappa</code>	mathematical bold italic kappa symbol
1D753	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>		<code>\mbfitvarphi</code>	mathematical bold italic phi symbol
1D754	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>		<code>\mbfitvarrho</code>	mathematical bold italic rho symbol
1D755	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>		<code>\mbfitvarpi</code>	mathematical bold italic pi symbol

### 13.2.9 Bold script, Latin, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D4D0	<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>\mbfscrA</code>	mathematical bold script capital a
1D4D1	<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>\mbfscrB</code>	mathematical bold script capital b
1D4D2	<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>\mbfscrC</code>	mathematical bold script capital c
1D4D3	<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>\mbfscrD</code>	mathematical bold script capital d
1D4D4	<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>\mbfscrE</code>	mathematical bold script capital e
1D4D5	<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>\mbfscrF</code>	mathematical bold script capital f
1D4D6	<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>\mbfscrG</code>	mathematical bold script capital g
1D4D7	<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>\mbfscrH</code>	mathematical bold script capital h
1D4D8	<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>\mbfscrI</code>	mathematical bold script capital i
1D4D9	<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>\mbfscrJ</code>	mathematical bold script capital j
1D4DA	<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 capital k
1D4DB	<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>\mbfscrL</code>	mathematical bold script capital l
1D4DC	<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 capital m
1D4DD	<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 capital n
1D4DE	<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 capital o
1D4DF	<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 capital p
1D4E0	<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 capital q
1D4E1	<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 capital r
1D4E2	<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 capital s
1D4E3	<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 capital t
1D4E4	<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 capital u
1D4E5	<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>\mbfscrV</code>	mathematical bold script capital v
1D4E6	<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 capital w
1D4E7	<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>\mbfscrX</code>	mathematical bold script capital x
1D4E8	<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 capital y
1D4E9	<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 capital z

### 13.2.10 Bold script, Latin, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D4EA		<i>a</i>	<i>a</i>			<i>a</i>	<i>a</i>		\mbfscra	mathematical bold script small a
1D4EB		<i>b</i>	<i>b</i>			<i>b</i>	<i>b</i>		\mbfscrb	mathematical bold script small b
1D4EC		<i>c</i>	<i>c</i>			<i>c</i>	<i>c</i>		\mbfscrc	mathematical bold script small c
1D4ED		<i>d</i>	<i>d</i>			<i>d</i>	<i>d</i>		\mbfscrd	mathematical bold script small d
1D4EE		<i>e</i>	<i>e</i>			<i>e</i>	<i>e</i>		\mbfscree	mathematical bold script small e
1D4EF		<i>f</i>	<i>f</i>			<i>f</i>	<i>f</i>		\mbfscrf	mathematical bold script small f
1D4F0		<i>g</i>	<i>g</i>			<i>g</i>	<i>g</i>		\mbfscrg	mathematical bold script small g
1D4F1		<i>h</i>	<i>h</i>			<i>h</i>	<i>h</i>		\mbfscrh	mathematical bold script small h
1D4F2		<i>i</i>	<i>i</i>			<i>i</i>	<i>i</i>		\mbfscri	mathematical bold script small i
1D4F3		<i>j</i>	<i>j</i>			<i>j</i>	<i>j</i>		\mbfscrj	mathematical bold script small j
1D4F4		<i>k</i>	<i>k</i>			<i>k</i>	<i>k</i>		\mbfscrk	mathematical bold script small k
1D4F5		<i>l</i>	<i>l</i>			<i>l</i>	<i>l</i>		\mbfscr1	mathematical bold script small l
1D4F6		<i>m</i>	<i>m</i>			<i>m</i>	<i>m</i>		\mbfscrm	mathematical bold script small m
1D4F7		<i>n</i>	<i>n</i>			<i>n</i>	<i>n</i>		\mbfscrn	mathematical bold script small n
1D4F8		<i>o</i>	<i>o</i>			<i>o</i>	<i>o</i>		\mbfscro	mathematical bold script small o
1D4F9		<i>p</i>	<i>p</i>			<i>p</i>	<i>p</i>		\mbfscrp	mathematical bold script small p
1D4FA		<i>q</i>	<i>q</i>			<i>q</i>	<i>q</i>		\mbfscrq	mathematical bold script small q
1D4FB		<i>r</i>	<i>r</i>			<i>r</i>	<i>r</i>		\mbfscrr	mathematical bold script small r
1D4FC		<i>s</i>	<i>s</i>			<i>s</i>	<i>s</i>		\mbfscrs	mathematical bold script small s
1D4FD		<i>t</i>	<i>t</i>			<i>t</i>	<i>t</i>		\mbfscrt	mathematical bold script small t
1D4FE		<i>u</i>	<i>u</i>			<i>u</i>	<i>u</i>		\mbfscru	mathematical bold script small u
1D4FF		<i>v</i>	<i>v</i>			<i>v</i>	<i>v</i>		\mbfscrv	mathematical bold script small v
1D500		<i>w</i>	<i>w</i>			<i>w</i>	<i>w</i>		\mbfscrw	mathematical bold script small w
1D501		<i>x</i>	<i>x</i>			<i>x</i>	<i>x</i>		\mbfscrx	mathematical bold script small x
1D502		<i>y</i>	<i>y</i>			<i>y</i>	<i>y</i>		\mbfscry	mathematical bold script small y
1D503		<i>z</i>	<i>z</i>			<i>z</i>	<i>z</i>		\mbfscrz	mathematical bold script small z

### 13.2.11 Bold fraktur, Latin, uppercase

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



USV	M	X	C	L	D	A	P	E	Macro	Description
1D57A	Ō	Ȫ	Ȭ			Ȫ	Ȫ	Ȫ	\mbffrakO	mathematical bold fraktur capital o
1D57B	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakP	mathematical bold fraktur capital p
1D57C	Ȫ	Ȭ	Ȯ			Ȫ	Ȫ	Ȫ	\mbffrakQ	mathematical bold fraktur capital q
1D57D	Ȣ	Ȥ	Ȧ	Ȣ	Ȣ	Ȣ	Ȣ	Ȣ	\mbffrakR	mathematical bold fraktur capital r
1D57E	Ȫ	Ȭ	Ȯ			Ȫ	Ȫ	Ȫ	\mbffrakS	mathematical bold fraktur capital s
1D57F	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakT	mathematical bold fraktur capital t
1D580	Ȫ	Ȭ	Ȯ			Ȫ	Ȫ	Ȫ	\mbffrakU	mathematical bold fraktur capital u
1D581	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakV	mathematical bold fraktur capital v
1D582	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakW	mathematical bold fraktur capital w
1D583	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakX	mathematical bold fraktur capital x
1D584	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakY	mathematical bold fraktur capital y
1D585	Ȣ	Ȥ	Ȧ			Ȣ	Ȣ	Ȣ	\mbffrakZ	mathematical bold fraktur capital z

### 13.2.12 Bold fraktur, Latin, lowercase

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

### 13.2.13 Bold sans serif, Latin, uppercase



USV	M	X	C	L	D	A	P	E	Macro	Description
1D5D4	<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
1D5D5	<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
1D5D6	<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
1D5D7	<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
1D5D8	<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
1D5D9	<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
1D5DA	<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
1D5DB	<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
1D5DC	<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
1D5DD	<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
1D5DE	<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
1D5DF	<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
1D5E0	<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
1D5E1	<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
1D5E2	<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
1D5E3	<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
1D5E4	<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
1D5E5	<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
1D5E6	<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
1D5E7	<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
1D5E8	<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
1D5E9	<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
1D5EA	<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
1D5EB	<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
1D5EC	<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
1D5ED	<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	M	X	C	L	D	A	P	E	Macro	Description
1D5EE	<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
1D5EF	<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
1D5F0	<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
1D5F1	<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
1D5F2	<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
1D5F3	<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
1D5F4	<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
1D5F5	<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
1D5F6	<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
1D5F7	<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
1D5F8	<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
1D5F9	<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
1D5FA	<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
1D5FB	<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
1D5FC	<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
1D5FD	<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
1D5FE	<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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D5FF	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>		\mbfsansr	mathematical sans-serif bold small r
1D600	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>		\mbfsanss	mathematical sans-serif bold small s
1D601	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>		\mbfsanst	mathematical sans-serif bold small t
1D602	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>		\mbfsansu	mathematical sans-serif bold small u
1D603	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>		\mbfsansv	mathematical sans-serif bold small v
1D604	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>		\mbfsansw	mathematical sans-serif bold small w
1D605	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>		\mbfsansx	mathematical sans-serif bold small x
1D606	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>		\mbfsansy	mathematical sans-serif bold small y
1D607	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>		\mbfsansz	mathematical sans-serif bold small z

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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D63C	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		\mbfitsansA	mathematical sans-serif bold italic capital a
1D63D	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		\mbfitsansB	mathematical sans-serif bold italic capital b
1D63E	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>		\mbfitsansC	mathematical sans-serif bold italic capital c
1D63F	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>		\mbfitsansD	mathematical sans-serif bold italic capital d
1D640	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		\mbfitsansE	mathematical sans-serif bold italic capital e
1D641	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>		\mbfitsansF	mathematical sans-serif bold italic capital f
1D642	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>		\mbfitsansG	mathematical sans-serif bold italic capital g
1D643	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>		\mbfitsansH	mathematical sans-serif bold italic capital h
1D644	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		\mbfitsansI	mathematical sans-serif bold italic capital i
1D645	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>		\mbfitsansJ	mathematical sans-serif bold italic capital j
1D646	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		\mbfitsansK	mathematical sans-serif bold italic capital k
1D647	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>		\mbfitsansL	mathematical sans-serif bold italic capital l
1D648	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		\mbfitsansM	mathematical sans-serif bold italic capital m
1D649	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>		\mbfitsansN	mathematical sans-serif bold italic capital n
1D64A	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		\mbfitsansO	mathematical sans-serif bold italic capital o
1D64B	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>		\mbfitsansP	mathematical sans-serif bold italic capital p
1D64C	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>		\mbfitsansQ	mathematical sans-serif bold italic capital q
1D64D	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>		\mbfitsansR	mathematical sans-serif bold italic capital r
1D64E	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>		\mbfitsansS	mathematical sans-serif bold italic capital s
1D64F	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>		\mbfitsansT	mathematical sans-serif bold italic capital t
1D650	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>		\mbfitsansU	mathematical sans-serif bold italic capital u
1D651	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>		\mbfitsansV	mathematical sans-serif bold italic capital v
1D652	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>		\mbfitsansW	mathematical sans-serif bold italic capital w
1D653	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>		\mbfitsansX	mathematical sans-serif bold italic capital x
1D654	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>		\mbfitsansY	mathematical sans-serif bold italic capital y
1D655	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		\mbfitsansZ	mathematical sans-serif bold italic capital z

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

USV	M	X	C	L	D	A	P	E	Macro	Description
1D656	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>		\mbfitsansa	mathematical sans-serif bold italic small a

usv	M	X	C	L	D	A	P	E	Macro	Description
1D657	<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>		\mbfitsansb	mathematical sans-serif bold italic small b
1D658	<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>		\mbfitsansc	mathematical sans-serif bold italic small c
1D659	<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>		\mbfitsansd	mathematical sans-serif bold italic small d
1D65A	<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>		\mbfitsanse	mathematical sans-serif bold italic small e
1D65B	<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>		\mbfitsansf	mathematical sans-serif bold italic small f
1D65C	<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>		\mbfitsansg	mathematical sans-serif bold italic small g
1D65D	<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>		\mbfitsansh	mathematical sans-serif bold italic small h
1D65E	<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>		\mbfitsansi	mathematical sans-serif bold italic small i
1D65F	<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>		\mbfitsansj	mathematical sans-serif bold italic small j
1D660	<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>		\mbfitsansk	mathematical sans-serif bold italic small k
1D661	<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>		\mbfitsansl	mathematical sans-serif bold italic small l
1D662	<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>		\mbfitsansm	mathematical sans-serif bold italic small m
1D663	<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>		\mbfitsansn	mathematical sans-serif bold italic small n
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>		\mbfitsanso	mathematical sans-serif bold italic small o
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>		\mbfitsansp	mathematical sans-serif bold italic small p
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>		\mbfitsansq	mathematical sans-serif bold italic small q
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>		\mbfitsansr	mathematical sans-serif bold italic small r
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>		\mbfitsanss	mathematical sans-serif bold italic small s
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>		\mbfitsanst	mathematical sans-serif bold italic small t
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>		\mbfitsansu	mathematical sans-serif bold italic small 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>		\mbfitsansv	mathematical sans-serif bold italic small v
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>		\mbfitsansw	mathematical sans-serif bold italic small w
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>		\mbfitsansx	mathematical sans-serif bold italic small x
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>		\mbfitsansy	mathematical sans-serif bold italic small y
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>		\mbfitsansz	mathematical sans-serif bold italic small z

### 13.2.17 Bold sans serif Greek, uppercase

usv	M	X	C	L	D	A	P	E	Macro	Description
1D756	<b>A</b>	<b>A</b>		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		\mbfsansAlpha	mathematical sans-serif bold capital alpha
1D757	<b>B</b>	<b>B</b>		<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		\mbfsansBeta	mathematical sans-serif bold capital beta
1D758	<b>Γ</b>	<b>Γ</b>		<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>		\mbfsansGamma	mathematical sans-serif bold capital gamma
1D759	<b>Δ</b>	<b>Δ</b>		<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>		\mbfsansDelta	mathematical sans-serif bold capital delta
1D75A	<b>E</b>	<b>E</b>		<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		\mbfsansEpsilon	mathematical sans-serif bold capital epsilon
1D75B	<b>Z</b>	<b>Z</b>		<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		\mbfsansZeta	mathematical sans-serif bold capital zeta
1D75C	<b>H</b>	<b>H</b>		<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>		\mbfsansEta	mathematical sans-serif bold capital eta
1D75D	<b>Θ</b>	<b>Θ</b>		<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>		\mbfsansTheta	mathematical sans-serif bold capital theta
1D75E	<b>I</b>	<b>I</b>		<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		\mbfsansIota	mathematical sans-serif bold capital iota
1D75F	<b>K</b>	<b>K</b>		<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		\mbfsansKappa	mathematical sans-serif bold capital kappa
1D760	<b>Λ</b>	<b>Λ</b>		<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>		\mbfsansLambda	mathematical sans-serif bold capital lambda
1D761	<b>M</b>	<b>M</b>		<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		\mbfsansMu	mathematical sans-serif bold capital mu
1D762	<b>N</b>	<b>N</b>		<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>		\mbfsansNu	mathematical sans-serif bold capital nu
1D763	<b>Ξ</b>	<b>Ξ</b>		<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>		\mbfsansXi	mathematical sans-serif bold capital xi
1D764	<b>O</b>	<b>O</b>		<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		\mbfsansOmicron	mathematical sans-serif bold capital omicron
1D765	<b>Π</b>	<b>Π</b>		<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>		\mbfsansPi	mathematical sans-serif bold capital pi
1D766	<b>P</b>	<b>P</b>		<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>		\mbfsansRho	mathematical sans-serif bold capital rho
1D767		<b>Θ</b>				<b>Θ</b>	<b>Θ</b>		\mbfsansvarTheta	mathematical sans-serif bold capital theta symbol

usv	M	X	C	L	D	A	P	E	Macro	Description
1D768	Σ	Σ		Σ	Σ	Σ	Σ		\mbfsansSigma	mathematical sans-serif bold capital sigma
1D769	Τ	Τ		Τ	Τ	Τ	Τ		\mbfsansTau	mathematical sans-serif bold capital tau
1D76A	Υ	Υ		Υ	Υ	Υ	Υ		\mbfsansUpsilon	mathematical sans-serif bold capital upsilon
1D76B	Φ	Φ		Φ	Φ	Φ	Φ		\mbfsansPhi	mathematical sans-serif bold capital phi
1D76C	Χ	Χ		Χ	Χ	Χ	Χ		\mbfsansChi	mathematical sans-serif bold capital chi
1D76D	Ψ	Ψ		Ψ	Ψ	Ψ	Ψ		\mbfsansPsi	mathematical sans-serif bold capital psi
1D76E	Ω	Ω		Ω	Ω	Ω	Ω		\mbfsansOmega	mathematical sans-serif bold capital omega

### 13.2.18 Bold sans serif Greek, lowercase

usv	M	X	C	L	D	A	P	E	Macro	Description
1D770		α		α	α	α	α		\mbfsansalpha	mathematical sans-serif bold small alpha
1D771		β		β	β	β	β		\mbfsansbeta	mathematical sans-serif bold small beta
1D772		γ		γ	γ	γ	γ		\mbfsansgamma	mathematical sans-serif bold small gamma
1D773		δ		δ	δ	δ	δ		\mbfsansdelta	mathematical sans-serif bold small delta
1D774		ε		ε	ε	ε	ε		\mbfsansepsilon	mathematical sans-serif bold small epsilon
1D775		ζ		ζ	ζ	ζ	ζ		\mbfsanszeta	mathematical sans-serif bold small zeta
1D776		η		η	η	η	η		\mbfsanseta	mathematical sans-serif bold small eta
1D777		θ		θ	θ	θ	θ		\mbfsanstheta	mathematical sans-serif bold small theta
1D778		ι		ι	ι	ι	ι		\mbfsansiota	mathematical sans-serif bold small iota
1D779		κ		κ	κ	κ	κ		\mbfsanskappa	mathematical sans-serif bold small kappa
1D77A		λ		λ	λ	λ	λ		\mbfsanslambda	mathematical sans-serif bold small lambda
1D77B		μ		μ	μ	μ	μ		\mbfsansmu	mathematical sans-serif bold small mu
1D77C		ν		ν	ν	ν	ν		\mbfsansnu	mathematical sans-serif bold small nu
1D77D		ξ		ξ	ξ	ξ	ξ		\mbfsansxi	mathematical sans-serif bold small xi
1D77E		ο		ο	ο	ο	ο		\mbfsansomicron	mathematical sans-serif bold small omicron
1D77F		π		π	π	π	π		\mbfsanspi	mathematical sans-serif bold small pi
1D780		ρ		ρ	ρ	ρ	ρ		\mbfsansrho	mathematical sans-serif bold small rho
1D781		ς		ς	ς	ς	ς		\mbfsansvarsigma	mathematical sans-serif bold small final sigma
1D782		σ		σ	σ	σ	σ		\mbfsanssigma	mathematical sans-serif bold small sigma
1D783		τ		τ	τ	τ	τ		\mbfsanstau	mathematical sans-serif bold small tau
1D784		υ		υ	υ	υ	υ		\mbfsansupsilon	mathematical sans-serif bold small upsilon
1D785		φ		φ	φ	φ	φ		\mbfsansphi	mathematical sans-serif bold small phi
1D786		χ		χ	χ	χ	χ		\mbfsanschi	mathematical sans-serif bold small chi
1D787		ψ		ψ	ψ	ψ	ψ		\mbfsanspsi	mathematical sans-serif bold small psi
1D788		ω		ω	ω	ω	ω		\mbfsansomega	mathematical sans-serif bold small omega
1D789		∂		∂	∂	∂	∂		\mbfsanspartial	mathematical sans-serif bold partial differential
1D78A		ε		ε	ε	ε	ε		\mbfsansvarepsilon	mathematical sans-serif bold epsilon symbol
1D78B		θ		θ	θ	θ	θ		\mbfsansvartheta	mathematical sans-serif bold theta symbol
1D78C		κ		κ	κ	κ	κ		\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
1D78D		φ		φ	φ	φ	φ		\mbfsansvarphi	mathematical sans-serif bold phi symbol
1D78E		ρ		ρ	ρ	ρ	ρ		\mbfsansvarrho	mathematical sans-serif bold rho symbol
1D78F		ω		ω	ω	ω	ω		\mbfsansvarpi	mathematical sans-serif bold pi symbol

### 13.2.19 Bold italic sans serif Greek, uppercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D790	<b>A</b>	<b>A</b>		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
1D791	<b>B</b>	<b>B</b>		<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		\mbfitsansBeta	mathematical sans-serif bold italic capital beta
1D792	<b>Γ</b>	<b>Γ</b>		<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
1D793	<b>Δ</b>	<b>Δ</b>		<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>		\mbfitsansDelta	mathematical sans-serif bold italic capital delta
1D794	<b>E</b>	<b>E</b>		<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
1D795	<b>Z</b>	<b>Z</b>		<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
1D796	<b>H</b>	<b>H</b>		<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>		\mbfitsansEta	mathematical sans-serif bold italic capital eta
1D797	<b>Θ</b>	<b>Θ</b>		<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>		\mbfitsansTheta	mathematical sans-serif bold italic capital theta
1D798	<b>I</b>	<b>I</b>		<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		\mbfitsansIota	mathematical sans-serif bold italic capital iota
1D799	<b>K</b>	<b>K</b>		<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
1D79A	<b>Λ</b>	<b>Λ</b>		<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>		\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
1D79B	<b>M</b>	<b>M</b>		<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		\mbfitsansMu	mathematical sans-serif bold italic capital mu
1D79C	<b>N</b>	<b>N</b>		<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>		\mbfitsansNu	mathematical sans-serif bold italic capital nu
1D79D	<b>Ξ</b>	<b>Ξ</b>		<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>		\mbfitsansXi	mathematical sans-serif bold italic capital xi
1D79E	<b>O</b>	<b>O</b>		<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
1D79F	<b>Π</b>	<b>Π</b>		<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>		\mbfitsansPi	mathematical sans-serif bold italic capital pi
1D7A0	<b>P</b>	<b>P</b>		<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>		\mbfitsansRho	mathematical sans-serif bold italic capital rho
1D7A1		<b>Θ</b>				<b>Θ</b>	<b>Θ</b>		\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
1D7A2	<b>Σ</b>	<b>Σ</b>		<b>Σ</b>	<b>Σ</b>	<b>Σ</b>	<b>Σ</b>		\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
1D7A3	<b>T</b>	<b>T</b>		<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>		\mbfitsansTau	mathematical sans-serif bold italic capital tau
1D7A4	<b>Υ</b>	<b>Υ</b>		<b>Υ</b>	<b>Υ</b>	<b>Υ</b>	<b>Υ</b>		\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
1D7A5	<b>Φ</b>	<b>Φ</b>		<b>Φ</b>	<b>Φ</b>	<b>Φ</b>	<b>Φ</b>		\mbfitsansPhi	mathematical sans-serif bold italic capital phi
1D7A6	<b>Χ</b>	<b>Χ</b>		<b>Χ</b>	<b>Χ</b>	<b>Χ</b>	<b>Χ</b>		\mbfitsansChi	mathematical sans-serif bold italic capital chi
1D7A7	<b>Ψ</b>	<b>Ψ</b>		<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>	<b>Ψ</b>		\mbfitsansPsi	mathematical sans-serif bold italic capital psi
1D7A8	<b>Ω</b>	<b>Ω</b>		<b>Ω</b>	<b>Ω</b>	<b>Ω</b>	<b>Ω</b>		\mbfitsansOmega	mathematical sans-serif bold italic capital omega

### 13.2.20 Bold italic sans serif Greek, lowercase

USV	M	X	C	L	D	A	P	E	Macro	Description
1D7AA		<b>α</b>		<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>		\mbfitsansalpha	mathematical sans-serif bold italic small alpha
1D7AB		<b>β</b>		<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>		\mbfitsansbeta	mathematical sans-serif bold italic small beta
1D7AC		<b>γ</b>		<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>		\mbfitsansgamma	mathematical sans-serif bold italic small gamma
1D7AD		<b>δ</b>		<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>		\mbfitsansdelta	mathematical sans-serif bold italic small delta
1D7AE		<b>ε</b>		<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>		\mbfitsansepsilon	mathematical sans-serif bold italic small epsilon
1D7AF		<b>ζ</b>		<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>		\mbfitsanszeta	mathematical sans-serif bold italic small zeta
1D7B0		<b>η</b>		<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>		\mbfitsanseta	mathematical sans-serif bold italic small eta
1D7B1		<b>θ</b>		<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>		\mbfitsanstheta	mathematical sans-serif bold italic small theta
1D7B2		<b>ι</b>		<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>		\mbfitsansiota	mathematical sans-serif bold italic small iota
1D7B3		<b>κ</b>		<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>		\mbfitsanskappa	mathematical sans-serif bold italic small kappa
1D7B4		<b>λ</b>		<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>		\mbfitsanslambda	mathematical sans-serif bold italic small lambda
1D7B5		<b>μ</b>		<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>		\mbfitsansmu	mathematical sans-serif bold italic small mu
1D7B6		<b>ν</b>		<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>		\mbfitsansnu	mathematical sans-serif bold italic small nu
1D7B7		<b>ξ</b>		<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>		\mbfitsansxi	mathematical sans-serif bold italic small xi
1D7B8		<b>ο</b>		<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>		\mbfitsansomicron	mathematical sans-serif bold italic small omicron
1D7B9		<b>π</b>		<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>		\mbfitsanspi	mathematical sans-serif bold italic small pi
1D7BA		<b>ρ</b>		<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>		\mbfitsansrho	mathematical sans-serif bold italic small rho
1D7BB		<b>ς</b>		<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>		\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma

USV	M	X	C	L	D	A	P	E	Macro	Description
1D7BC		$\sigma$		$\sigma$	$\sigma$	$\sigma$	$\sigma$		<code>\mbfitsanssigma</code>	mathematical sans-serif bold italic small sigma
1D7BD		$\tau$		$\tau$	$\tau$	$\tau$	$\tau$		<code>\mbfitsanstau</code>	mathematical sans-serif bold italic small tau
1D7BE		$\upsilon$		$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$		<code>\mbfitsansupsilon</code>	mathematical sans-serif bold italic small upsilon
1D7BF		$\varphi$		$\varphi$	$\varphi$	$\varphi$	$\varphi$		<code>\mbfitsansphi</code>	mathematical sans-serif bold italic small phi
1D7C0		$\chi$		$\chi$	$\chi$	$\chi$	$\chi$		<code>\mbfitsanschi</code>	mathematical sans-serif bold italic small chi
1D7C1		$\psi$		$\psi$	$\psi$	$\psi$	$\psi$		<code>\mbfitsanspsi</code>	mathematical sans-serif bold italic small psi
1D7C2		$\omega$		$\omega$	$\omega$	$\omega$	$\omega$		<code>\mbfitsansomega</code>	mathematical sans-serif bold italic small omega
1D7C3		$\partial$		$\partial$	$\partial$	$\partial$	$\partial$		<code>\mbfitsanspartial</code>	mathematical sans-serif bold italic partial differential
1D7C4		$\epsilon$		$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$		<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic epsilon symbol
1D7C5		$\vartheta$		$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$		<code>\mbfitsansvartheta</code>	mathematical sans-serif bold italic theta symbol
1D7C6		$\kappa$		$\kappa$	$\kappa$	$\kappa$	$\kappa$		<code>\mbfitsansvarkappa</code>	mathematical sans-serif bold italic kappa symbol
1D7C7		$\phi$		$\phi$	$\phi$	$\phi$	$\phi$		<code>\mbfitsansvarphi</code>	mathematical sans-serif bold italic phi symbol
1D7C8		$\rho$		$\rho$	$\rho$	$\rho$	$\rho$		<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
1D7C9		$\varpi$		$\varpi$	$\varpi$	$\varpi$	$\varpi$		<code>\mbfitsansvarpi</code>	mathematical sans-serif bold italic pi symbol

### 13.3 Miscellaneous

USV	M	X	C	L	D	A	P	E	Macro	Description
000F0	$\eth$	$\eth$	$\eth$	$\eth$		$\eth$	$\eth$		<code>\matheth</code>	eth
02102	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$		<code>\BbbC</code>	/bbb c, open face c
0210A	$\mathscr{g}$	$\mathscr{g}$	$\mathscr{g}$	$\mathscr{g}$	$\mathscr{g}$	$\mathscr{g}$	$\mathscr{g}$		<code>\mscrg</code>	/scr g, script letter g
0210B	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	$\mathcal{H}$	<code>\mscrH</code>	hamiltonian (script capital h)
0210C	$\mathfrak{h}$	$\mathfrak{h}$	$\mathfrak{h}$	$\mathfrak{h}$		$\mathfrak{h}$	$\mathfrak{h}$	$\mathfrak{h}$	<code>\mfracH</code>	/frac h, upper case h
0210D	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$	$\text{\textcircled{H}}$		<code>\BbbH</code>	/bbb h, open face h
0210F	$\hslash$	$\hslash$	$\hslash$	$\hslash$	$\hslash$	$\hslash$	$\hslash$		<code>\hslash<sup>(a)</sup></code>	/hslash - variant planck's over 2pi
02110	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	$\mathscr{I}$	<code>\mscrI</code>	/scr i, script letter i
02111	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	$\mathfrak{I}$	<code>\Im<sup>(p)</sup></code>	imaginary part
02112	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	$\mathcal{L}$	<code>\mscrL</code>	lagrangian (script capital l)
02113	$\ell$	$\ell$	$\ell$	$\ell$	$\ell$	$\ell$	$\ell$	$\ell$	<code>\ell<sup>(p)</sup></code>	cursive small l
02115	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$	$\text{\textcircled{N}}$		<code>\BbbN</code>	/bbb n, open face n
02118	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	$\wp$	<code>\wp<sup>(p)</sup></code>	weierstrass p
02119	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$	$\text{\textcircled{P}}$		<code>\BbbP</code>	/bbb p, open face p
0211A	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$	$\text{\textcircled{Q}}$		<code>\BbbQ</code>	/bbb q, open face q
0211B	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	$\mathscr{R}$	<code>\mscrR</code>	/scr r, script letter r
0211C	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	$\Re$	<code>\Re<sup>(p)</sup></code>	real part
0211D	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$	$\text{\textcircled{R}}$		<code>\BbbR</code>	/bbb r, open face r
02124	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$	$\text{\textcircled{Z}}$		<code>\BbbZ</code>	/bbb z, open face z
02128	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$		$\mathfrak{Z}$	$\mathfrak{Z}$	$\mathfrak{Z}$	<code>\mfracZ</code>	/frac z, upper case z
02129		$\iota$	$\iota$	$\iota$		$\iota$			<code>\turnediota</code>	turned iota
0212B		$\text{\AA}$	$\text{\AA}$	$\text{\AA}$		$\text{\AA}$	$\text{\AA}$		<code>\Angstrom</code>	angstrom capital a, ring
0212C	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	$\mathcal{B}$	<code>\mscrB</code>	bernoulli function (script capital b)
0212D	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$		$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	$\text{\textcircled{C}}$	<code>\mfracC</code>	black-letter capital c
0212F		$\mathscr{e}$	$\mathscr{e}$	$\mathscr{e}$		$\mathscr{e}$	$\mathscr{e}$		<code>\mscre</code>	/scr e, script letter e
02130	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	$\mathcal{E}$	<code>\mscrE</code>	/scr e, script letter e
02131	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	$\mathcal{F}$	<code>\mscrF</code>	/scr f, script letter f
02133	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	$\mathcal{M}$	<code>\mscrM</code>	physics m-matrix (script capital m)
02134		$\text{\textcircled{o}}$	$\text{\textcircled{o}}$	$\text{\textcircled{o}}$		$\text{\textcircled{o}}$	$\text{\textcircled{o}}$		<code>\mscro</code>	order of (script small o)

USV	M	X	C	L	D	A	P	E	Macro	Description
02135	א	א	א	א	א	א	א	א	<code>\aleph<sup>(p)</sup></code>	aleph, hebrew
02136	ב	ב	ב	ב	ב	ב	ב		<code>\beth<sup>(a)</sup></code>	beth, hebrew
02137	ג	ג	ג	ג	ג	ג	ג		<code>\gimel<sup>(a)</sup></code>	gimel, hebrew
02138	ד	ד	ד	ד	ד	ד	ד		<code>\daleth<sup>(a)</sup></code>	daleth, hebrew
0213D	Ɑ	Ɑ	Ɑ			Ɑ	Ɑ		<code>\Bbbgamma</code>	double-struck small gamma
0213E	Γ	Γ	Γ			Γ	Γ		<code>\BbbGamma</code>	double-struck capital gamma
0213F	Π	Π	Π			Π	Π		<code>\BbbPi</code>	double-struck capital pi
02202	∂	∂	∂	∂	∂	∂	∂	∂	<code>\partial<sup>(p)</sup></code>	partial differential
02207	∇	∇	∇	∇	∇	∇	∇		<code>\nabla<sup>(p)</sup></code>	nabla, del, hamilton operator
1D6A4	ı	ı	ı	ı	ı	ı	ı		<code>\imath<sup>(p)</sup></code>	mathematical italic small dotless i
1D6A5	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ	ȷ		<code>\jmath<sup>(p)</sup></code>	mathematical italic small dotless j
1D6C1	∇	∇	∇	∇	∇	∇	∇		<code>\mbfnabla</code>	mathematical bold nabla
1D6FB	∇	∇	∇	∇	∇	∇	∇		<code>\mitnabla</code>	mathematical italic nabla
1D735	∇	∇	∇	∇	∇	∇	∇		<code>\mbfitnabla</code>	mathematical bold italic nabla
1D76F		∇		∇	∇	∇	∇		<code>\mbfsansnabla</code>	mathematical sans-serif bold nabla
1D7A9		∇		∇	∇	∇	∇		<code>\mbfitsansnabla</code>	mathematical sans-serif bold italic nabla
1D7CA		Ɔ		Ɔ	Ɔ	Ɔ			<code>\mbfDigamma</code>	mathematical bold capital digamma
1D7CB		Ɔ				Ɔ			<code>\mbfdigamma</code>	mathematical bold small digamma