

# Symbols defined by unicode-math

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Modified (df) to show Kpfonts Math symbols

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

M **Latin Modern Math** (1602)

S **STIX Two Math** (2447)

E **Erewhon Math** (1679)

K **KpMath Regular** (1614)

P **TeX Gyre Pagella Math** (1655)

L **Libertinus Math** (1657)

G **Garamond Math** (1647)

Symbols defined in Plain  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  are indicated with <sup>(p)</sup> after their macro name.  $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$  follows Plain  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ , but defines a handful more, indicated with <sup>(l)</sup>. Symbols defined in `amssymb` are indicated with <sup>(a)</sup>.

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

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

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# 1 Opening symbols, \mathopen

USV	M	S	E	K	P	L	G	Macro	Description
U+00028	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace <sup>(p)</sup>	left curly bracket
U+0221A	√	√	√	√	√	√	√	\sqrt <sup>(p)</sup>	radical
U+0221B		∛	∛			∛		\cuberoot	cube root
U+0221C		∜	∜			∜		\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil <sup>(p)</sup>	left ceiling
U+0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor <sup>(p)</sup>	left floor
U+0231C	⌑	⌑	⌑	⌑	⌑	⌑	⌑	\ulcorner	upper left corner
U+0231E	⌔	⌔	⌔	⌔	⌔	⌔	⌔	\llcorner	lower left corner
U+023B0		⌋	⌋	⌋		⌋		\lmoustache <sup>(p)</sup>	upper left or lower right curly bracket section
U+02772		⌐						\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⌑		⌑				\lbag	left s-shaped bag delimiter
U+027CC		⌋						\longdivision	long division
U+027E6	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lBrack	mathematical left white square bracket
U+027E8	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\langle <sup>(p)</sup>	mathematical left angle bracket
U+027EA	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lAngle	mathematical left double angle bracket
U+027EC		⌐				⌐		\Lbrbrak	mathematical left white tortoise shell bracket

USV	M	S	E	K	P	L	G	Macro	Description
U+027EE	(	(	(	(	(	(	(	<code>\lgroup<sup>(p)</sup></code>	mathematical left flattened parenthesis
U+02983		{						<code>\lBrace</code>	left white curly bracket
U+02985		(						<code>\lParen</code>	left white parenthesis
U+02987		(					{	<code>\llparenthesis</code>	z notation left image bracket
U+02989		(						<code>\llangle</code>	z notation left binding bracket
U+0298B		[						<code>\lbrackubar</code>	left square bracket with underbar
U+0298D		[						<code>\lbrackultick</code>	left square bracket with tick in top corner
U+0298F		[						<code>\lbracklltick</code>	left square bracket with tick in bottom corner
U+02991		<						<code>\langedot</code>	left angle bracket with dot
U+02993		<						<code>\lparenless</code>	left arc less-than bracket
U+02995		>						<code>\lparengtr</code>	double left arc greater-than bracket
U+02997		(						<code>\lblkbrbrak</code>	left black tortoise shell bracket
U+029D8		}						<code>\lvzigzag</code>	left wiggly fence
U+029DA		}}						<code>\Lvzigzag</code>	left double wiggly fence
U+029FC		<					>	<code>\lcurvyangle</code>	left pointing curved angle bracket

## 2 Closing symbols, \mathclose

USV	M	S	E	K	P	L	G	Macro	Description
U+00021	!	!	!	!	!	!	!	\matheclam	exclamation mark
U+00029	)	)	)	)	)	)	)	\rparen	right parenthesis
U+0005D	]	]	]	]	]	]	]	\rbrack	right square bracket
U+0007D	}	}	}	}	}	}	}	\rbrace <sup>(p)</sup>	right curly bracket
U+02309	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\rceil <sup>(p)</sup>	right ceiling
U+0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rfloor <sup>(p)</sup>	right floor
U+0231D	⌞	⌞	⌞	⌞	⌞	⌞	⌞	\urcorner	upper right corner
U+0231F	⌟	⌟	⌟	⌟	⌟	⌟	⌟	\lrcorner	lower right corner
U+023B1		⌵	⌵	⌵				\rmoustache <sup>(p)</sup>	upper right or lower left curly bracket section
U+02773		⌋						\rbrbrak	light right tortoise shell bracket ornament
U+027C6		⌋		⌋				\rbag	right s-shaped bag delimiter
U+027E7	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rBrack	mathematical right white square bracket
U+027E9	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rangle <sup>(p)</sup>	mathematical right angle bracket
U+027EB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rAngle	mathematical right double angle bracket
U+027ED		⌋					⌋	\Rbrbrak	mathematical right white tortoise shell bracket
U+027EF	)	)	)	)	)	)	)	\rgroup <sup>(p)</sup>	mathematical right flattened parenthesis
U+02984		⌋						\rBrace	right white curly bracket
U+02986		⌋						\rParen	right white parenthesis

usv	M	S	E	K	P	L	G	Macro	Description
U+02988		⌋						<code>\rrparenthesis</code>	z notation right image bracket
U+0298A		⌋						<code>\rrangle</code>	z notation right binding bracket
U+0298C		⌋						<code>\rbrackubar</code>	right square bracket with underbar
U+0298E		⌋						<code>\rbracklrtick</code>	right square bracket with tick in bottom corner
U+02990		⌋						<code>\rbrackurtick</code>	right square bracket with tick in top corner
U+02992		⌋						<code>\rangledot</code>	right angle bracket with dot
U+02994		⌋						<code>\rpargentr</code>	right arc greater-than bracket
U+02996		⌋						<code>\Rparenless</code>	double right arc less-than bracket
U+02998		⌋						<code>\rblkrbrak</code>	right black tortoise shell bracket
U+029D9		⌋						<code>\rvzigzag</code>	right wiggly fence
U+029DB		⌋						<code>\Rvzigzag</code>	right double wiggly fence
U+029FD		⌋						<code>\rcurvyangle</code>	right pointing curved angle bracket

### 3 Fence symbols, `\mathfence`

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

## 4 Punctuation symbols, `\mathpunct`

USV	M	S	E	K	P	L	G	Macro	Description
U+0002C	,	,	,	,	,	,	,	<code>\mathcomma</code>	comma
U+0003A	:	:	:	:	:	:	:	<code>\mathcolon</code>	colon
U+0003B	;	;	;	;	;	;	;	<code>\mathsemicolon</code>	semicolon p:

## 5 ‘Over’ symbols, `\mathover`

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

## 6 ‘Under’ symbols, `\mathunder`

USV	M	S	E	K	P	L	G	Macro	Description
U+023B5	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	<code>\underbracket</code>	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	<code>\underparen</code>	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbrace<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	S	E	K	P	L	G	Macro	Description
u+00300	Ẁ	ẁ	Ẃ	ẃ	Ẅ	ẅ	Ẇ	\grave <sup>(p)</sup>	grave accent
u+00301	ẁ	ẃ	ẅ	ẇ	ẉ	ẋ	ẏ	\acute <sup>(p)</sup>	acute accent
u+00302	Ẃ	ẃ	Ẅ	ẅ	Ẇ	ẇ	Ẉ	\hat <sup>(p)</sup>	circumflex accent
u+00303	Ẅ	ẅ	Ẇ	ẇ	Ẉ	ẉ	Ẋ	\tilde <sup>(p)</sup>	tilde
u+00304	ẅ	Ẇ	ẇ	Ẉ	ẉ	Ẑ	ẑ	\bar <sup>(p)</sup>	macron
u+00305	Ẇ	ẇ	Ẉ	ẉ	Ẑ	ẑ	Ẓ	\overbar	overbar embellishment
u+00306	ẇ	Ẉ	ẉ	Ẑ	ẑ	Ẓ	ẓ	\breve <sup>(p)</sup>	breve
u+00307	ẘ	ẙ	ẚ	ẛ	ẜ	ẝ	ẞ	\dot <sup>(p)</sup>	dot above
u+00308	ẙ	ẚ	ẛ	ẜ	ẝ	ẞ	Ạ	\ddot <sup>(p)</sup>	dieresis
u+00309	ẚ	ẛ	ẜ	ẝ	ẞ	Ạ	ạ	\ovhook	combining hook above
u+0030A	ẜ	ẝ	ẞ	Ạ	ạ	Ả	ả	\ocirc	ring
u+0030C	ẝ	ẞ	Ạ	ạ	Ả	ả	Ấ	\check <sup>(p)</sup>	caron
u+00310		Ạ		ạ		Ả		\candra	candrabindu (non-spacing)
u+00312		ạ				Ả		\oturnedcomma	combining turned comma above
u+00315		Ả				ả		\ocommatopright	combining comma above right
u+0031A		ả				Ấ		\droang	left angle above (non-spacing)
u+020D0	⤿	⤾	⤽	⤼	⤻	⤺	⤹	\leftharpoonaccent	combining left harpoon above
u+020D1	⤾	⤽	⤼	⤻	⤺	⤹	⤸	\rightharpoonaccent	combining right harpoon above



USV	M	S	E	K	P	L	G	Macro	Description
U+020D2	$\overrightarrow{x}$	$\overrightarrow{y}$	$\overrightarrow{z}$	$\overrightarrow{a}$	$\overrightarrow{b}$		$\overrightarrow{c}$	<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	$\vec{x}$	$\vec{y}$	$\vec{z}$	$\vec{a}$	$\vec{b}$		$\vec{c}$	<code>\vec<sup>(p)</sup></code>	combining right arrow above
U+020DB	$\ddot{x}$	$\ddot{y}$	$\ddot{z}$	$\ddot{a}$	$\ddot{b}$		$\ddot{c}$	<code>\dddot</code>	combining three dots above
U+020DC	$\text{̈́}x$	$\text{̈́}y$	$\text{̈́}z$	$\text{̈́}a$	$\text{̈́}b$		$\text{̈́}c$	<code>\ddddot</code>	combining four dots above
U+020E7		$\overline{x}$						<code>\annuity</code>	combining annuity symbol
U+020E9	$\overline{x}$	$\overline{y}$	$\overline{z}$	$\overline{a}$	$\overline{b}$		$\overline{c}$	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{y}$	$\overset{*}{z}$	$\overset{*}{a}$	$\overset{*}{b}$		$\overset{*}{c}$	<code>\asteraccent</code>	combining asterisk above

## 8 Accents wide, `\mathaccentwide`

USV	M	S	E	K	P	L	G	Macro	Description
U+00302	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	<code>\widehat<sup>(p)</sup></code>	circumflex accent
U+00303	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	<code>\widetilde<sup>(p)</sup></code>	tilde
U+00305	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	<code>\wideoverbar</code>	stretchy overbar embellishment
U+00306	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	<code>\widebreve</code>	stretchy breve
U+0030C	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	<code>\widecheck</code>	stretchy caron
U+020D0	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	<code>\overleftarrowharpoon</code>	combining left harpoon above
U+020D1	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	<code>\overrightarrowharpoon</code>	combining right harpoon above
U+020D6	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	<code>\overleftarrow<sup>(p)</sup></code>	combining left arrow above
U+020D7	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	<code>\overrightarrow<sup>(p)</sup></code>	combining left arrow above
U+020E1	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	<code>\overleftrightarrow</code>	combining left right arrow above

USV	M	S	E	K	P	L	G	Macro	Description
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## 9 Bottom accents, `\mathbotaccent`

USV	M	S	E	K	P	L	G	Macro	Description
U+020E8	$\underline{\underline{x}}$	$\underline{\underline{y}}$	$\underline{\underline{z}}$	$\underline{\underline{a}}$	$\underline{\underline{b}}$		$\underline{\underline{c}}$	<code>\threeunderdot</code>	combining triple underdot

















































































## 10 Bottom accents wide, `\mathbotaccentwide`








































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




















## 11 Big operators, `\mathop`


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

USV	M	S	E	K	P	L	G	Macro	Description
U+02140	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\textcolor{brown}{\Sigma}}}$	$\overset{1}{\underset{0}{\textcolor{teal}{\Sigma}}}$	$\overset{1}{\underset{0}{\textcolor{violet}{\Sigma}}}$		$\overset{1}{\underset{0}{\textcolor{magenta}{\Sigma}}}$	<code>\Bbbsum</code>	double-struck n-ary summation
U+0220F	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Pi}}$	$\overset{1}{\underset{0}{\textcolor{brown}{\prod}}}$	$\overset{1}{\underset{0}{\textcolor{teal}{\prod}}}$	$\overset{1}{\underset{0}{\textcolor{violet}{\prod}}}$	$\overset{1}{\underset{0}{\textcolor{olive}{\prod}}}$	$\overset{1}{\underset{0}{\textcolor{magenta}{\prod}}}$	<code>\prod^{(p)}</code>	product operator
U+02210	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\amalg}}$	$\overset{1}{\underset{0}{\textcolor{brown}{\coprod}}}$	$\overset{1}{\underset{0}{\textcolor{teal}{\coprod}}}$	$\overset{1}{\underset{0}{\textcolor{violet}{\coprod}}}$	$\overset{1}{\underset{0}{\textcolor{olive}{\coprod}}}$	$\overset{1}{\underset{0}{\textcolor{magenta}{\coprod}}}$	<code>\coprod^{(p)}</code>	coproduct operator
U+02211	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\textcolor{brown}{\sum}}}$	$\overset{1}{\underset{0}{\textcolor{teal}{\sum}}}$	$\overset{1}{\underset{0}{\textcolor{violet}{\sum}}}$	$\overset{1}{\underset{0}{\textcolor{olive}{\sum}}}$	$\overset{1}{\underset{0}{\textcolor{magenta}{\sum}}}$	<code>\sum^{(p)}</code>	summation operator
U+0222B	$\overset{1}{\int_0^1}$	$\overset{1}{\int_0^1}$	$\overset{1}{\int_0^1 \textcolor{brown}{}}$	$\overset{1}{\int_0^1 \textcolor{teal}{}}$	$\overset{1}{\int_0^1 \textcolor{violet}{}}$	$\overset{1}{\int_0^1 \textcolor{olive}{}}$	$\overset{1}{\int_0^1 \textcolor{magenta}{}}$	<code>\int^{(p)}</code>	integral operator
U+0222C	$\overset{1}{\iint_0^1}$	$\overset{1}{\iint_0^1}$	$\overset{1}{\iint_0^1 \textcolor{brown}{}}$	$\overset{1}{\iint_0^1 \textcolor{teal}{}}$	$\overset{1}{\iint_0^1 \textcolor{violet}{}}$	$\overset{1}{\iint_0^1 \textcolor{olive}{}}$	$\overset{1}{\iint_0^1 \textcolor{magenta}{}}$	<code>\iint</code>	double integral operator
U+0222D	$\overset{1}{\iiint_0^1}$	$\overset{1}{\iiint_0^1}$	$\overset{1}{\iiint_0^1 \textcolor{brown}{}}$	$\overset{1}{\iiint_0^1 \textcolor{teal}{}}$	$\overset{1}{\iiint_0^1 \textcolor{violet}{}}$	$\overset{1}{\iiint_0^1 \textcolor{olive}{}}$	$\overset{1}{\iiint_0^1 \textcolor{magenta}{}}$	<code>\iiint</code>	triple integral operator
U+0222E	$\oint_0^1$	$\oint_0^1$	$\oint_0^1 \textcolor{brown}{}$	$\oint_0^1 \textcolor{teal}{}$	$\oint_0^1 \textcolor{violet}{}$	$\oint_0^1 \textcolor{olive}{}$	$\oint_0^1 \textcolor{magenta}{}$	<code>\oint^{(p)}</code>	contour integral operator
U+0222F	$\oiint_0^1$	$\oiint_0^1$	$\oiint_0^1 \textcolor{brown}{}$	$\oiint_0^1 \textcolor{teal}{}$	$\oiint_0^1 \textcolor{violet}{}$	$\oiint_0^1 \textcolor{olive}{}$	$\oiint_0^1 \textcolor{magenta}{}$	<code>\oiint</code>	double contour integral operator
U+02230	$\oiiiint_0^1$	$\oiiiint_0^1$	$\oiiiint_0^1 \textcolor{brown}{}$	$\oiiiint_0^1 \textcolor{teal}{}$	$\oiiiint_0^1 \textcolor{violet}{}$	$\oiiiint_0^1 \textcolor{olive}{}$	$\oiiiint_0^1 \textcolor{magenta}{}$	<code>\oiint</code>	triple contour integral operator
U+02231	$\int_0^1 \textcolor{red}{}$	$\int_0^1 \textcolor{green}{}$	$\int_0^1 \textcolor{brown}{}$	$\int_0^1 \textcolor{teal}{}$	$\int_0^1 \textcolor{violet}{}$	$\int_0^1 \textcolor{olive}{}$	$\int_0^1 \textcolor{magenta}{}$	<code>\intclockwise</code>	clockwise integral
U+02232	$\oint_0^1 \textcolor{red}{}$	$\oint_0^1 \textcolor{green}{}$	$\oint_0^1 \textcolor{brown}{}$	$\oint_0^1 \textcolor{teal}{}$	$\oint_0^1 \textcolor{violet}{}$	$\oint_0^1 \textcolor{olive}{}$	$\oint_0^1 \textcolor{magenta}{}$	<code>\varointclockwise</code>	contour integral, clockwise
U+02233	$\oint_0^1 \textcolor{red}{}$	$\oint_0^1 \textcolor{green}{}$	$\oint_0^1 \textcolor{brown}{}$	$\oint_0^1 \textcolor{teal}{}$	$\oint_0^1 \textcolor{violet}{}$	$\oint_0^1 \textcolor{olive}{}$	$\oint_0^1 \textcolor{magenta}{}$	<code>\ointctrclockwise</code>	contour integral, anticlockwise
U+022C0	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\textcolor{brown}{\bigwedge}}}$	$\overset{1}{\underset{0}{\textcolor{teal}{\bigwedge}}}$	$\overset{1}{\underset{0}{\textcolor{violet}{\bigwedge}}}$	$\overset{1}{\underset{0}{\textcolor{olive}{\bigwedge}}}$	$\overset{1}{\underset{0}{\textcolor{magenta}{\bigwedge}}}$	<code>\bigwedge^{(p)}</code>	logical and operator




































































































USV	M	S	E	K	P	L	G	Macro	Description
U+022C1								<code>\bigvee<sup>(p)</sup></code>	logical or operator
U+022C2								<code>\bigcap<sup>(p)</sup></code>	intersection operator
U+022C3								<code>\bigcup<sup>(p)</sup></code>	union operator
U+027D5								<code>\leftouterjoin</code>	left outer join
U+027D6								<code>\rightouterjoin</code>	right outer join
U+027D7								<code>\fullouterjoin</code>	full outer join
U+027D8								<code>\bigbot</code>	large up tack
U+027D9								<code>\bigtop</code>	large down tack
U+029F8								<code>\xsol</code>	big solidus
U+029F9								<code>\xbsol</code>	big reverse solidus
U+02A00								<code>\bigodot<sup>(p)</sup></code>	n-ary circled dot operator
U+02A01								<code>\bigoplus<sup>(p)</sup></code>	n-ary circled plus operator
U+02A02								<code>\bigotimes<sup>(p)</sup></code>	n-ary circled times operator
U+02A03								<code>\bigcupdot</code>	n-ary union operator with dot
U+02A04								<code>\biguplus<sup>(p)</sup></code>	n-ary union operator with plus
U+02A05								<code>\bigsqcap</code>	n-ary square intersection operator

USV	M	S	E	K	P	L	G	Macro	Description
U+02A06								$\backslash\bigsqcup^{(p)}$	n-ary square union operator
U+02A07								$\backslash\conjquant$	two logical and operator
U+02A08								$\backslash\disjquant$	two logical or operator
U+02A09								$\backslash\bigtimes$	n-ary times operator
U+02A0A								$\backslash\modtwosum$	modulo two sum
U+02A0B								$\backslash\sumint$	summation with integral
U+02A0C								$\backslash\iiint$	quadruple integral operator
U+02A0D								$\backslash\intbar$	finite part integral
U+02A0E								$\backslash\intBar$	integral with double stroke
U+02A0F								$\backslash\intint$	integral average with slash
U+02A10								$\backslash\cirfnint$	circulation function
U+02A11								$\backslash\awint$	anticlockwise integration
U+02A12								$\backslash\ppolint$	line integration with rectangular path around pole
U+02A13								$\backslash\scpolint$	line integration with semicircular path around pole
U+02A14								$\backslash\npolint$	line integration not including the pole

USV	M	S	E	K	P	L	G	Macro	Description
U+02A15								<code>\pointint</code>	integral around a point operator
U+02A16								<code>\sqint</code>	quaternion integral operator
U+02A17								<code>\intlarhk</code>	integral with leftwards arrow with hook
U+02A18								<code>\intx</code>	integral with times sign
U+02A19								<code>\intcap</code>	integral with intersection
U+02A1A								<code>\intcup</code>	integral with union
U+02A1B								<code>\upint</code>	integral with overbar
U+02A1C								<code>\lowint</code>	integral with underbar
U+02A1D								<code>\Join</code>	join
U+02A1E								<code>\bigtriangleleft</code>	large left triangle operator
U+02A1F								<code>\zcmp</code>	z notation schema composition
U+02A20								<code>\zpipe</code>	z notation schema piping
U+02A21								<code>\zproject</code>	z notation schema projection
U+02AFC								<code>\biginterleave</code>	large triple vertical bar operator
U+02AFF								<code>\bigtalloblong</code>	n-ary white vertical bar
U+1EEF0								<code>\arabicmaj</code>	arabic mathematical operator meem with hah with tatweel

USV	M	S	E	K	P	L	G	Macro	Description
U+1EEF1								<code>\arabichad</code>	arabic mathematical operator hah with dal

## 12 Binary relations, `\mathbin`

USV	M	S	E	K	P	L	G	Macro	Description
U+0002B								<code>\mathplus</code>	plus sign b:
U+000B1								<code>\pm^{(p)}</code>	plus-or-minus sign
U+000B7								<code>\cdotp^{(p)}</code>	/centerdot b: middle dot
U+000D7								<code>\times^{(p)}</code>	multiply sign
U+000F7								<code>\div^{(p)}</code>	divide sign
U+02020								<code>\dagger^{(p)}</code>	dagger relation
U+02021								<code>\ddagger^{(p)}</code>	double dagger relation
U+02022								<code>\smblkcircle</code>	/bullet b: round bullet, filled
U+02040								<code>\tieconcat</code>	character tie, z notation sequence concatenation
U+02044								<code>\fracslash</code>	fraction slash
U+0214B								<code>\upand</code>	turned ampersand
U+02212								<code>\minus</code>	minus sign
U+02213								<code>\mp^{(p)}</code>	minus-or-plus sign
U+02214								<code>\dotplus^{(a)}</code>	plus sign, dot above
U+02215								<code>\divslash</code>	division slash
U+02216								<code>\setminus^{(p)}</code>	set minus (cf. reverse solidus)

usv	M	S	E	K	P	L	G	Macro	Description
U+02217	*	*	*	*	*	*	*	<code>\ast<sup>(p)</sup></code>	centered asterisk
U+02218	◦	◦	◦	◦	◦	◦	◦	<code>\ysmwhtcircle</code>	composite function (small circle)
U+02219	•	•	•	•	•	•	•	<code>\ysmblkcircle</code>	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	<code>\wedge<sup>(p)</sup></code>	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	<code>\vee<sup>(p)</sup></code>	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩	∩	<code>\cap<sup>(p)</sup></code>	intersection
U+0222A	∪	∪	∪	∪	∪	∪	∪	<code>\cup<sup>(p)</sup></code>	union or logical sum
U+02238	⋅	⋅	⋅	⋅	⋅	⋅	⋅	<code>\dotminus</code>	minus sign, dot above
U+0223E	≈	≈	≈	≈	≈	≈	≈	<code>\invlazys</code>	most positive [inverted lazy s]
U+02240	⌋	⌋	⌋	⌋	⌋	⌋	⌋	<code>\wr<sup>(p)</sup></code>	wreath product
U+0228C	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\cupleftarrow</code>	multiset
U+0228D	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\cupdot</code>	union, with dot
U+0228E	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\uplus<sup>(p)</sup></code>	plus sign in union
U+02293	⊓	⊓	⊓	⊓	⊓	⊓	⊓	<code>\sqcap<sup>(p)</sup></code>	square intersection
U+02294	⊔	⊔	⊔	⊔	⊔	⊔	⊔	<code>\sqcup<sup>(p)</sup></code>	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕	⊕	<code>\oplus<sup>(p)</sup></code>	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖	⊖	<code>\ominus<sup>(p)</sup></code>	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗	⊗	<code>\otimes<sup>(p)</sup></code>	multiply sign in circle
U+02298	⊘	⊘	⊘	⊘	⊘	⊘	⊘	<code>\oslash<sup>(p)</sup></code>	solidus in circle
U+02299	⊙	⊙	⊙	⊙	⊙	⊙	⊙	<code>\odot<sup>(p)</sup></code>	middle dot in circle



USV	M	S	E	K	P	L	G	Macro	Description
U+0229A								<code>\circledcirc<sup>(a)</sup></code>	small circle in circle
U+0229B								<code>\circledast<sup>(a)</sup></code>	asterisk in circle
U+0229C								<code>\circledequal</code>	equal in circle
U+0229D								<code>\circleddash<sup>(a)</sup></code>	hyphen in circle
U+0229E								<code>\boxplus<sup>(a)</sup></code>	plus sign in box
U+0229F								<code>\boxminus<sup>(a)</sup></code>	minus sign in box
U+022A0								<code>\boxtimes<sup>(a)</sup></code>	multiply sign in box
U+022A1								<code>\boxdot<sup>(a)</sup></code>	<code>/dotsquare</code> <code>/boxdot b</code> : small dot in box
U+022BA								<code>\intercal<sup>(a)</sup></code>	intercal
U+022BB								<code>\veebar<sup>(a)</sup></code>	logical or, bar below (large vee); exclusive disjunction
U+022BC								<code>\barwedge<sup>(a)</sup></code>	bar, wedge (large wedge)
U+022BD								<code>\barvee</code>	bar, vee (large vee)
U+022C4								<code>\smwhtdiamond</code>	white diamond
U+022C5								<code>\cdot<sup>(p)</sup></code>	small middle dot
U+022C6								<code>\star<sup>(p)</sup></code>	small star, filled, low
U+022C7								<code>\divideontimes<sup>(a)</sup></code>	division on times
U+022C9								<code>\ltimes<sup>(a)</sup></code>	times sign, left closed
U+022CA								<code>\rtimes<sup>(a)</sup></code>	times sign, right closed
U+022CB								<code>\leftthreetimes<sup>(a)</sup></code>	left semidirect product
U+022CC								<code>\rightthreetimes<sup>(a)</sup></code>	right semidirect product

USV	M	S	E	K	P	L	G	Macro	Description
U+022CE	𐤌	𐤍	𐤎	𐤏	𐤐	𐤑	𐤒	<code>\curlyvee<sup>(a)</sup></code>	curly logical or
U+022CF	𐤓	𐤔	𐤕	𐤖	𐤗	𐤘	𐤙	<code>\curlywedge<sup>(a)</sup></code>	curly logical and
U+022D2	𐤠	𐤡	𐤢	𐤣	𐤤		𐤥	<code>\Cap<sup>(a)</sup></code>	<code>/cap</code> <code>/doublecap</code> b: double intersection
U+022D3	𐤦	𐤧	𐤨	𐤩	𐤪		𐤫	<code>\Cup<sup>(a)</sup></code>	<code>/cup</code> <code>/doublecup</code> b: double union
U+02305	𐤽	𐤿	𐥀	𐥁	𐥂			<code>\varbarwedge</code>	<code>/barwedge</code> b: logical and, bar above [projective (bar over small wedge)]
U+02306	𐥃	𐥄	𐥅	𐥆	𐥇			<code>\vardoublebarwedge</code>	<code>/doublebarwedge</code> b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		𐥛						<code>\obar</code>	circle with vertical bar
U+025B3	𐤹	𐥀	𐥁	𐥂	𐥃	𐥄	𐥅	<code>\bigtriangleup<sup>(p)</sup></code>	big up triangle, open
U+025B7	𐤽	𐥀	𐥁	𐥂	𐥃	𐥄	𐥅	<code>\triangleright<sup>(p)</sup></code>	(large) right triangle, open; z notation range restriction
U+025C1	𐤺	𐥀	𐥁	𐥂	𐥃	𐥄	𐥅	<code>\triangleleft<sup>(p)</sup></code>	(large) left triangle, open; z notation domain restriction
U+025CB	○	○	○	○	○	○	○	<code>\mdlgwhtcircle</code>	medium large circle
U+025EB		𐥛		𐥛				<code>\boxbar</code>	vertical bar in box
U+027C7		𐥞						<code>\veedot</code>	or with dot inside
U+027D1		𐥟						<code>\wedgedot</code>	and with dot
U+027E0	𐥠	𐥡	𐥢	𐥣	𐥤			<code>\lozengeminus</code>	lozenge divided by horizontal rule
U+027E1	𐥥	𐥦	𐥧	𐥨	𐥩			<code>\concavediamond</code>	white concave-sided diamond
U+027E2	𐥪	𐥫	𐥬	𐥭	𐥮			<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3	𐥯	𐥰	𐥱	𐥲	𐥳			<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick

USV	M	S	E	K	P	L	G	Macro	Description
U+027E4		◻						\whitesquaretickleft	white square with leftwards tick
U+027E5		◻						\whitesquaretickright	white square with rightwards tick
U+029B5		⊖						\circlehbar	circle with horizontal bar
U+029B6		⓪						\circledvert	circled vertical bar
U+029B7		Ⓜ						\circledparallel	circled parallel
U+029B8		⊘		⊘				\obslash	circled reverse solidus
U+029B9		⊥						\operp	circled perpendicular
U+029C0		⊗		⊗				\olessthan	circled less-than
U+029C1		⊗		⊗				\ogreaterthan	circled greater-than
U+029C4		◻		◻				\boxdiag	squared rising diagonal slash
U+029C5		◻		◻				\boxbslash	squared falling diagonal slash
U+029C6		⊠		⊠				\boxast	squared asterisk
U+029C7		⊞						\boxcircle	squared small circle
U+029C8		⊠						\boxbox	squared square
U+029CD		△						\triangleserifs	triangle with serifs at bottom
U+029D6		⌚						\hourglass	white hourglass
U+029D7		⌚						\blackhourglass	black hourglass
U+029E2		⌞						\shuffle	shuffle product
U+029EB		◆	◆	◆				\mdlgblklozenge	black lozenge
U+029F5		↖	↗	↘			↙ ↘	\reversesolidus	reverse solidus

USV	M	S	E	K	P	L	G	Macro	Description
U+029F6		7				7		<code>\dsol</code>	solidus with overbar
U+029F7		↯				↯		<code>\rsolbar</code>	reverse solidus with horizontal stroke
U+029FA		⦶						<code>\doubleplus</code>	double plus
U+029FB		⦶						<code>\tripleplus</code>	triple plus
U+029FE		⦶						<code>\tplus</code>	tiny
U+029FF		⦶						<code>\tminus</code>	miny
U+02A22		⦶						<code>\ringplus</code>	plus sign with small circle above
U+02A23		⦶						<code>\plushat</code>	plus sign with circumflex accent above
U+02A24		⦶						<code>\simplus</code>	plus sign with tilde above
U+02A25		⦶						<code>\plusdot</code>	plus sign with dot below
U+02A26		⦶						<code>\plussim</code>	plus sign with tilde below
U+02A27		⦶						<code>\plussubtwo</code>	plus sign with subscript two
U+02A28		⦶						<code>\plustrif</code>	plus sign with black triangle
U+02A29		⦶						<code>\commaminus</code>	minus sign with comma above
U+02A2A		⦶						<code>\minusdot</code>	minus sign with dot below
U+02A2B		⦶						<code>\minusfdots</code>	minus sign with falling dots
U+02A2C		⦶						<code>\minusrdots</code>	minus sign with rising dots
U+02A2D		⦶						<code>\oplushrim</code>	plus sign in left half circle
U+02A2E		⦶						<code>\oplusrhrim</code>	plus sign in right half circle
U+02A2F	✗	✗	✗	✗	✗		✗	<code>\vectimes</code>	vector or cross product

USV	M	S	E	K	P	L	G	Macro	Description
U+02A30		×						<code>\dottimes</code>	multiplication sign with dot above
U+02A31		×						<code>\timesbar</code>	multiplication sign with underbar
U+02A32		×						<code>\btimes</code>	semidirect product with bottom closed
U+02A33		⌘						<code>\smashtimes</code>	smash product
U+02A34		⊗						<code>\otimeslhrim</code>	multiplication sign in left half circle
U+02A35		⊗						<code>\otimesrhrim</code>	multiplication sign in right half circle
U+02A36		⊗					⊗	<code>\otimeshat</code>	circled multiplication sign with circumflex accent
U+02A37		⊗						<code>\Otimes</code>	multiplication sign in double circle
U+02A38		⊕						<code>\odiv</code>	circled division sign
U+02A39		△						<code>\triangleplus</code>	plus sign in triangle
U+02A3A		△						<code>\triangleminus</code>	minus sign in triangle
U+02A3B		△						<code>\triangletimes</code>	multiplication sign in triangle
U+02A3C		⌋						<code>\intprod</code>	interior product
U+02A3D		⌋						<code>\intprodr</code>	righthand interior product
U+02A3E		⋈					⋈	<code>\fcmp</code>	z notation relational composition
U+02A3F	II	II	II	II	II	II	II	<code>\amalg<sup>(p)</sup></code>	amalgamation or coproduct
U+02A40		⋈						<code>\capdot</code>	intersection with dot
U+02A41		⋈						<code>\uminus</code>	union with minus sign
U+02A42		⋈						<code>\barcup</code>	union with overbar

USV	M	S	E	K	P	L	G	Macro	Description
U+02A43								<code>\barcap</code>	intersection with overbar
U+02A44								<code>\capwedge</code>	intersection with logical and
U+02A45								<code>\cupvee</code>	union with logical or
U+02A46								<code>\cupovercap</code>	union above intersection
U+02A47								<code>\capovercup</code>	intersection above union
U+02A48								<code>\cupbarcap</code>	union above bar above intersection
U+02A49								<code>\capbarcup</code>	intersection above bar above union
U+02A4A								<code>\twocups</code>	union beside and joined with union
U+02A4B								<code>\twocaps</code>	intersection beside and joined with intersection
U+02A4C								<code>\closedvarcup</code>	closed union with serifs
U+02A4D								<code>\closedvarcap</code>	closed intersection with serifs
U+02A4E								<code>\Sqcip</code>	double square intersection
U+02A4F								<code>\Sqcup</code>	double square union
U+02A50								<code>\closedvarcupsmashprod</code>	closed union with serifs and smash product
U+02A51								<code>\wedgeodot</code>	logical and with dot above
U+02A52								<code>\veeodot</code>	logical or with dot above
U+02A53								<code>\Wedge</code>	double logical and
U+02A54								<code>\Vee</code>	double logical or
U+02A55								<code>\wedgeonwedge</code>	two intersecting logical and

USV	M	S	E	K	P	L	G	Macro	Description
U+02A56		↯						<code>\veeonvee</code>	two intersecting logical or
U+02A57		↱						<code>\bigslopedvee</code>	sloping large or
U+02A58		↰						<code>\bigslopedwedge</code>	sloping large and
U+02A5A		⋈						<code>\wedgemidvert</code>	logical and with middle stem
U+02A5B		⋇						<code>\veemidvert</code>	logical or with middle stem
U+02A5C		⋕						<code>\midbarwedge</code>	logical and with horizontal dash
U+02A5D		⋖						<code>\midbarvee</code>	logical or with horizontal dash
U+02A5E		⋕̄	⋕̄	⋕̄				<code>\doublebarwedge</code> <sup>(a)</sup>	logical and with double overbar
U+02A5F		⋕̅	⋕̅	⋕̅				<code>\wedgear</code>	logical and with underbar
U+02A60		⋕̅̅						<code>\wedgedoublebar</code>	logical and with double underbar
U+02A61		⋕̅						<code>\varveebar</code>	small vee with underbar
U+02A62		⋕̄̄						<code>\doublebarvee</code>	logical or with double overbar
U+02A63		⋕̅̅						<code>\veedoublebar</code>	logical or with double underbar
U+02A64		⋞						<code>\dsub</code>	z notation domain antirestriction
U+02A65		⋟						<code>\rsub</code>	z notation range antirestriction
U+02A71		⋎						<code>\eqqplus</code>	equals sign above plus sign
U+02A72		⋏						<code>\pluseqq</code>	plus sign above equals sign
U+02AF4		≡						<code>\interleave</code>	triple vertical bar binary relation
U+02AF5		≡̅						<code>\nhVvert</code>	triple vertical bar with horizontal stroke
U+02AF6		⋮						<code>\threedotcolon</code>	triple colon operator

USV	M	S	E	K	P	L	G	Macro	Description
U+02AFB		///						\trslash	triple solidus binary relation
U+02AFD		//						\sslash	double solidus operator
U+02AFE		⏏						\talloblong	white vertical bar



## 13 Ordinary symbols, \mathord

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

usv	M	S	E	K	P	L	G	Macro	Description
U+02026	...	...	...	...	...	...	...	\unicodeellipsis	ellipsis (horizontal)
U+02032	'	'	'	'	'	'	'	\prime <sup>(p)</sup>	prime or minute, not superscripted
U+02033	"	"	"		"	"	"	\dprime	double prime or second, not superscripted
U+02034	'''	'''	'''		'''	'''	'''	\trprime	triple prime (not superscripted)
U+02035	\	\	\	\	\	\	\	\backprime <sup>(a)</sup>	reverse prime, not superscripted
U+02036	''	''	''		''	''	''	\backdprime	double reverse prime, not superscripted
U+02037	'''	'''	'''		'''	'''	'''	\backtrprime	triple reverse prime, not superscripted
U+02038		^						\caretinsert	caret (insertion mark)
U+0203C		!!				!!		\Exclam	double exclamation mark
U+02043		▪						\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??				??		\Question	double question mark
U+02057	''''	''''	''''		''''	''''	''''	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	◯	◯	◯	◯	◯		◯	\enclosecircle	combining enclosing circle
U+020DE	◻	◻	◻	◻	◻		◻	\enclosesquare	combining enclosing square
U+020DF	◊	◊	◊	◊	◊		◊	\enclosediamond	combining enclosing diamond
U+020E4	△	△	△	△	△		△	\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℰ	ℰ	ℰ	ℰ	ℰ		ℰ	\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant












































USV	M	S	E	K	P	L	G	Macro	Description
U+02127	↱	↲	↳	↴	↵	↶	↷	\mho	conductance
U+02132		↻	↻	↻				\Finv <sup>(a)</sup>	turned capital f
U+0213C	⏏	⏏	⏏		⏏		⏏	\Bbbpi	double-struck small pi
U+02141		↻	↻	↻				\Game <sup>(a)</sup>	turned sans-serif capital g
U+02142		↻						\sansLturned	turned sans-serif capital l
U+02143		↻						\sansLmirrored	reversed sans-serif capital l
U+02144		↻						\Yup	turned sans-serif capital y
U+02145	Ⓓ	Ⓓ	Ⓓ		Ⓓ		Ⓓ	\mitBbbD	double-struck italic capital d
U+02146	ⓓ	ⓓ	ⓓ		ⓓ		ⓓ	\mitBbbd	double-struck italic small d
U+02147	ⓔ	ⓔ	ⓔ		ⓔ		ⓔ	\mitBbbe	double-struck italic small e
U+02148	ⓖ	ⓖ	ⓖ		ⓖ		ⓖ	\mitBbbi	double-struck italic small i
U+02149	ⓙ	ⓙ	ⓙ		ⓙ		ⓙ	\mitBbbj	double-struck italic small j
U+0214A		⏏						\PropertyLine	property line
U+021A8		↕				↕	↕	\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↱	↲	↳	↴	↵	↶	↷	\linefeed	rightwards arrow with corner downwards
U+021B5	↱	↲	↳	↴	↵	↶	↷	\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8		↖				↖	↖	\barovernorthwestarrow	north west arrow to long bar
U+021B9		↔				↔	↔	\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↻	↻	↻	↻	↻	↻	↻	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻	\cwopencirclearrow	clockwise open circle arrow

USV	M	S	E	K	P	L	G	Macro	Description
U+021DE		↕				↕	↕	<code>\nHuparrow</code>	upwards arrow with double stroke
U+021DF		⇓				⇓	⇓	<code>\nHdownarrow</code>	downwards arrow with double stroke
U+021E0		↔	↔	↔		↔	↔	<code>\leftdasharrow</code>	leftwards dashed arrow
U+021E1		↗	↗	↗		↗	↗	<code>\updasharrow</code>	upwards dashed arrow
U+021E2		↘	↘	↘		↘	↘	<code>\rightdasharrow</code>	rightwards dashed arrow
U+021E3		⇓	⇓	⇓		⇓	⇓	<code>\downdasharrow</code>	downwards dashed arrow
U+021E6	↩	↩	↩		↩	↩	↩	<code>\leftwhitearrow</code>	leftwards white arrow
U+021E7	↑	↑	↑		↑	↑	↑	<code>\upwhitearrow</code>	upwards white arrow
U+021E8	➡	➡	➡		➡	➡	➡	<code>\rightwhitearrow</code>	rightwards white arrow
U+021E9	↓	↓	↓		↓	↓	↓	<code>\downwhitearrow</code>	downwards white arrow
U+021EA		↗				↗	↗	<code>\whitearrowupfrombar</code>	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	<code>\forall</code> <sup>(p)</sup>	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	<code>\complement</code> <sup>(a)</sup>	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	<code>\exists</code> <sup>(p)</sup>	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	<code>\nexists</code> <sup>(a)</sup>	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	<code>\varnothing</code> <sup>(a)</sup>	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<code>\increment</code>	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	■	■	<code>\QED</code>	end of proof
U+0221A	√	√	√	√	√	√	√	<code>\surd</code> <sup>(p)</sup>	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	<code>\infty</code> <sup>(p)</sup>	infinity

USV	M	S	E	K	P	L	G	Macro	Description
U+0221F	↱	↲	↳	↴	↵	↶	↷	<code>\rightangle</code>	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠	∠	<code>\angle<sup>(p)</sup></code>	angle
U+02221	∠	∠	∠	∠	∠	∠	∠	<code>\measuredangle<sup>(a)</sup></code>	angle-measured
U+02222	∠	∠	∠	∠	∠	∠	∠	<code>\sphericalangle<sup>(a)</sup></code>	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴	∴	<code>\therefore<sup>(a)</sup></code>	therefore
U+02235	∵	∵	∵	∵	∵	∵	∵	<code>\because<sup>(a)</sup></code>	because
U+0223F	〰	〰	〰	〰	〰	〰	〰	<code>\sinewave</code>	sine wave
U+022A4	⤴	⤵	⤶	⤷	⤸	⤹	⤺	<code>\top<sup>(p)</sup></code>	top
U+022A5	⤵	⤶	⤷	⤸	⤹	⤺	⤻	<code>\bot<sup>(p)</sup></code>	bottom
U+022B9	⋈	⋈	⋈		⋈		⋈	<code>\hermitmatrix</code>	hermitian conjugate matrix
U+022BE	⊞	⊟	⊠		⊡		⊣	<code>\measuredrightangle</code>	right angle-measured [with arc]
U+022BF	⊞	⊟	⊠		⊡		⊣	<code>\varlrtriangle</code>	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯	⋯	<code>\unicodcdots</code>	three dots, centered
U+02300	⌀	⌀	⌀		⌀	⌀	⌀	<code>\diameter</code>	diameter sign
U+02302		🏠				🏠		<code>\house</code>	house
U+02310	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\invnot</code>	reverse not
U+02311		◻						<code>\sqlozenge</code>	square lozenge
U+02312		⤿						<code>\profline</code>	profile of a line
U+02313		⤿						<code>\profsurf</code>	profile of a surface
U+02317		⌘						<code>\viewdata</code>	viewdata square
U+02319	⌞	⌞	⌞	⌞	⌞		⌞	<code>\turnednot</code>	turned not sign

usv	M	S	E	K	P	L	G	Macro	Description
U+02320								<code>\inttop</code>	top half integral
U+02321								<code>\intbottom</code>	bottom half integral
U+0232C								<code>\varhexagonlrbonds</code>	six carbon ring, corner down, double bonds lower right etc
U+02332								<code>\conictaper</code>	conical taper
U+02336								<code>\topbot</code>	top and bottom
U+02340								<code>\APLnotbackslash</code>	apl functional symbol backslash bar
U+02353								<code>\APLboxupcaret</code>	boxed up caret
U+02370								<code>\APLboxquestion</code>	boxed question mark
U+0237C								<code>\rangledownzigzagarrow</code>	right angle with downwards zigzag arrow
U+02394								<code>\hexagon</code>	horizontal benzene ring [hexagon flat open]
U+0239B								<code>\lparenuend</code>	left parenthesis upper hook
U+0239C								<code>\lparenextender</code>	left parenthesis extension
U+0239D								<code>\lparenlend</code>	left parenthesis lower hook
U+0239E								<code>\rparenuend</code>	right parenthesis upper hook
U+0239F								<code>\rparenextender</code>	right parenthesis extension
U+023A0								<code>\rparenlend</code>	right parenthesis lower hook

USV	M	S	E	K	P	L	G	Macro	Description
U+023A1	┌	┐	└	┘	┐	└	┌	\lbrackuend	left square bracket upper corner
U+023A2								\lbrackextender	left square bracket extension
U+023A3	└	┘	┌	┐	└	┘	└	\lbracklend	left square bracket lower corner
U+023A4	┐	┌	┘	└	┐	└	┐	\rbrackuend	right square bracket upper corner
U+023A5								\rbrackextender	right square bracket extension
U+023A6	┘	└	┐	┌	┘	└	┘	\rbracklend	right square bracket lower corner
U+023A7	⌈	⌋	⌊	⌉	⌋	⌊	⌈	\lbraceuend	left curly bracket upper hook
U+023A8	⌈	⌋	⌊	⌉	⌋	⌊	⌈	\lbracemid	left curly bracket middle piece
U+023A9	⌋	⌊	⌉	⌈	⌋	⌊	⌋	\lbracelend	left curly bracket lower hook
U+023AA								\vbraceextender	curly bracket extension
U+023AB	⌋	⌊	⌉	⌈	⌋	⌊	⌋	\rbraceuend	right curly bracket upper hook
U+023AC	⌋	⌊	⌉	⌈	⌋	⌊	⌋	\rbracemid	right curly bracket middle piece
U+023AD	⌊	⌈	⌋	⌉	⌊	⌈	⌊	\rbracelend	right curly bracket lower hook
U+023AE								\intextender	integral extension
U+023AF		—	—	—		—		\harrowextender	horizontal line extension (used to extend arrows)

USV	M	S	E	K	P	L	G	Macro	Description
U+023B2								<code>\sumtop</code>	summation top
U+023B3								<code>\sumbottom</code>	summation bottom
U+023B6								<code>\bbrktbrk</code>	bottom square bracket over top square bracket
U+023B7								<code>\sqrtbottom</code>	radical symbol bottom
U+023B8								<code>\lvboxline</code>	left vertical box line
U+023B9								<code>\rvboxline</code>	right vertical box line
U+023CE								<code>\varcarriagereturn</code>	return symbol
U+023E0								<code>\obrbrak</code>	top tortoise shell bracket (mathematical use)
U+023E1								<code>\ubrbrak</code>	bottom tortoise shell bracket (mathematical use)
U+023E2								<code>\trapezium</code>	white trapezium
U+023E3								<code>\benzenr</code>	benzene ring with circle
U+023E4								<code>\strns</code>	straightness
U+023E5								<code>\fltns</code>	flatness
U+023E6								<code>\accurrent</code>	ac current
U+023E7								<code>\elinters</code>	electrical intersection
U+02422								<code>\blanksymbol</code>	blank symbol
U+02423								<code>\mathvisiblespace</code>	open box
U+02506								<code>\bdtriplevdash</code>	doubly broken vert



usv	M	S	E	K	P	L	G	Macro	Description
U+02580								<code>\blockuphalf</code>	upper half block
U+02584								<code>\blocklowhalf</code>	lower half block
U+02588								<code>\blockfull</code>	full block
U+0258c								<code>\blocklefthalf</code>	left half block
U+02590								<code>\blockrighthalf</code>	right half block
U+02591								<code>\blockqtrshaded</code>	25% shaded block
U+02592								<code>\blockhalfshaded</code>	50% shaded block
U+02593								<code>\blockthreeqtrshaded</code>	75% shaded block
U+025A0								<code>\mdlgblksquare</code>	square, filled
U+025A1								<code>\mdlgwhtsquare</code>	square, open
U+025A2								<code>\squoval</code>	white square with rounded corners
U+025A3								<code>\blackinwhitesquare</code>	white square containing black small square
U+025A4								<code>\squarehfill</code>	square, horizontal rule filled
U+025A5								<code>\squarevfill</code>	square, vertical rule filled
U+025A6								<code>\squarehvfill</code>	square with orthogonal crosshatch fill
U+025A7								<code>\squarenwsefill</code>	square, nw-to-se rule filled
U+025A8								<code>\squareneswfill</code>	square, ne-to-sw rule filled
U+025A9								<code>\squarecrossfill</code>	square with diagonal crosshatch fill
U+025AA								<code>\smbksquare</code>	<code>/blacksquare</code> - sq bullet, filled


















































USV	M	S	E	K	P	L	G	Macro	Description
U+025AB	◻	◻	◻	◻	◻		◻	<code>\smwhtsquare</code>	white small square
U+025AC	◼	◼	◼	◼	◼		◼	<code>\hrectangleblack</code>	black rectangle
U+025AD	◻	◻	◻	◻	◻		◻	<code>\hrectangle</code>	horizontal rectangle, open
U+025AE		◼					◼	<code>\vrectangleblack</code>	black vertical rectangle
U+025AF		◻					◻	<code>\vrectangle</code>	rectangle, white (vertical)
U+025B0		▭						<code>\parallelogramblack</code>	black parallelogram
U+025B1		▭						<code>\parallelogram</code>	parallelogram, open
U+025B2	▲	▲	▲	▲	▲	▲	▲	<code>\bigblacktriangleup</code>	black up-pointing triangle
U+025B4		▲	▲	▲				<code>\blacktriangle<sup>(a)</sup></code>	up triangle, filled
U+025B6	▶	▶	▶	▶	▶	▶	▶	<code>\blacktriangleright<sup>(a)</sup></code>	(large) right triangle, filled
U+025B8		▶	▶					<code>\smallblacktriangleright</code>	right triangle, filled
U+025B9		▷	▷	▷				<code>\smalltriangleright</code>	right triangle, open
U+025BA		▶						<code>\blackpointerright</code>	black right-pointing pointer
U+025BB		▷						<code>\whitepointerright</code>	white right-pointing pointer
U+025BC	▼	▼	▼	▼	▼	▼	▼	<code>\bigblacktriangledown</code>	big down triangle, filled
U+025BD	▽	▽	▽	▽	▽	▽	▽	<code>\bigtriangledown<sup>(p)</sup></code>	big down triangle, open
U+025BE		▼	▼	▼				<code>\blacktriangledown<sup>(a)</sup></code>	down triangle, filled
U+025BF		▽	▽	▽				<code>\triangledown<sup>(a)</sup></code>	down triangle, open
U+025C0	◀	◀	◀	◀	◀	◀	◀	<code>\blacktriangleleft<sup>(a)</sup></code>	(large) left triangle, filled
U+025C2		◀	◀	◀				<code>\smallblacktriangleleft</code>	left triangle, filled
U+025C3		◁	◁	◁				<code>\smalltriangleleft</code>	left triangle, open

usv	M	S	E	K	P	L	G	Macro	Description
U+025C4		◀						\blackpointerleft	black left-pointing pointer
U+025C5		◁						\whitepointerleft	white left-pointing pointer
U+025C6		◆	◆	◆		◆	◆	\mdlgblkdiamond	black diamond
U+025C7		◇	◇	◇		◇	◇	\mdlgwhtdiamond	white diamond; diamond, open
U+025C8		◈					◈	\blackinwhitediamond	white diamond containing black small diamond
U+025C9		◎				◎	◎	\fisheye	fisheye
U+025CA	◇	◇	◇	◇	◇	◇	◇	\mdlgwhtlozenge	lozenge or total mark
U+025CC		⊙						\dottedcircle	dotted circle
U+025CD		◐						\circlevertfill	circle with vertical fill
U+025CE		◎				◎	◎	\bullseye	bullseye
U+025CF	●	●	●	●	●	●	●	\mdlgblkcircle	circle, filled
U+025D0		◐				◐	◐	\circlelefthalfblack	circle, filled left half [harvey ball]
U+025D1		◑				◑	◑	\circularighthalfblack	circle, filled right half
U+025D2		◒				◒	◒	\circlebottomhalfblack	circle, filled bottom half
U+025D3		◓				◓	◓	\circletophalfblack	circle, filled top half
U+025D4		◔				◔	◔	\circleurquadblack	circle with upper right quadrant black
U+025D5		◕				◕	◕	\blackcircleulquadwhite	circle with all but upper left quadrant black
U+025D6		◖				◖	◖	\blacklefthalfcircle	left half black circle
U+025D7		◗				◗	◗	\blackrighthalfcircle	right half black circle
U+025D8		◼						\inversebullet	inverse bullet

USV	M	S	E	K	P	L	G	Macro	Description
U+025D9								<code>\inversewhitecircle</code>	inverse white circle
U+025DA								<code>\invwhiteupperhalfcircle</code>	upper half inverse white circle
U+025DB								<code>\invwhitelowerhalfcircle</code>	lower half inverse white circle
U+025DC								<code>\ularc</code>	upper left quadrant circular arc
U+025DD								<code>\urarc</code>	upper right quadrant circular arc
U+025DE								<code>\lrarc</code>	lower right quadrant circular arc
U+025DF								<code>\llarc</code>	lower left quadrant circular arc
U+025E0								<code>\topsemicircle</code>	upper half circle
U+025E1								<code>\botsemicircle</code>	lower half circle
U+025E2								<code>\lrblacktriangle</code>	lower right triangle, filled
U+025E3								<code>\llblacktriangle</code>	lower left triangle, filled
U+025E4								<code>\ulblacktriangle</code>	upper left triangle, filled
U+025E5								<code>\urblacktriangle</code>	upper right triangle, filled
U+025E6								<code>\smwhtcircle</code>	white bullet
U+025E7								<code>\squareleftblack</code>	square, filled left half
U+025E8								<code>\squarerightblack</code>	square, filled right half
U+025E9								<code>\squareulblack</code>	square, filled top left corner
U+025EA								<code>\squarelrblack</code>	square, filled bottom right corner
U+025EC								<code>\trianglecdot</code>	triangle with centered dot
U+025ED								<code>\triangleleftblack</code>	up-pointing triangle with left half black

USV	M	S	E	K	P	L	G	Macro	Description
U+025EE		▲					▲	\trianglerightrightblack	up-pointing triangle with right half black
U+025EF	○	○	○	○	○		○	\lgwhtcircle	large circle
U+025F0		◻						\squareulquad	white square with upper left quadrant
U+025F1		◻						\squarellquad	white square with lower left quadrant
U+025F2		◻						\squarelrquad	white square with lower right quadrant
U+025F3		◻						\squareurquad	white square with upper right quadrant
U+025F4		⊕						\circleulquad	white circle with upper left quadrant
U+025F5		⊕						\circlellquad	white circle with lower left quadrant
U+025F6		⊕						\circlelrquad	white circle with lower right quadrant
U+025F7		⊕						\circleurquad	white circle with upper right quadrant
U+025F8		◵						\ultriangle	upper left triangle
U+025F9		◶						\urtriangle	upper right triangle
U+025FA		◷						\lltriangle	lower left triangle
U+025FB		◻	◻	◻				\mdwhtsquare	white medium square
U+025FC		■	■	■				\mdblksquare	black medium square
U+025FD		◻	◻	◻				\mdsmwhtsquare	white medium small square
U+025FE		■	■	■				\mdsmbksquare	black medium small square
U+025FF		◷						\lrtriangle	lower right triangle



usv	M	S	E	K	P	L	G	Macro	Description
U+02605		★	★	★		★	★	\bigstar <sup>(a)</sup>	star, filled
U+02606		☆					★	\bigwhitestar	star, open
U+02609		☼				☼		\astrosun	sun
U+02621		⤵						\danger	dangerous bend (caution sign)
U+0263B		😊				😊		\blacksmiley	black smiling face
U+0263C		☼				☼		\sun	white sun with rays
U+0263D		☾				☾		\rightmoon	first quarter moon
U+0263E		☾				☾		\leftmoon	last quarter moon
U+02640		♀				♀		\female	venus, female
U+02642		♂				♂		\male	mars, male
U+02660	♠	♠	♠	♠	♠	♠		\spadesuit <sup>(p)</sup>	spades suit symbol
U+02661	♥	♥	♥	♥	♥	♥		\heartsuit <sup>(p)</sup>	heart suit symbol
U+02662	♦	♦	♦	♦	♦	♦		\diamondsuit <sup>(p)</sup>	diamond suit symbol
U+02663	♣	♣	♣	♣	♣	♣		\clubsuit <sup>(p)</sup>	club suit symbol
U+02664	♠	♠	♠	♠	♠	♠		\varspadesuit	spade, white (card suit)
U+02665	♥	♥	♥	♥	♥	♥		\varheartsuit	filled heart (card suit)
U+02666	♦	♦	♦	♦	♦	♦		\vardiamondsuit	filled diamond (card suit)
U+02667	♣	♣	♣	♣	♣	♣		\varclubsuit	club, white (card suit)
U+02669		♪				♪		\quarternote	music note (sung text sign)
U+0266A	♪	♪		♪	♪	♪		\eighthnote	eighth note
U+0266B		♪				♪		\twonotes	beamed eighth notes

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





























USV	M	S	E	K	P	L	G	Macro	Description
U+0272A		★						<code>\circledstar</code>	circled white star
U+02736		✳						<code>\varstar</code>	six pointed black star
U+0273D		✳						<code>\dingasterisk</code>	heavy teardrop-spoked asterisk
U+0279B		➡						<code>\draftingarrow</code>	right arrow with bold head (drafting)
U+027C0		∟						<code>\threedangle</code>	three dimensional angle
U+027C1		△						<code>\whiteinwhitetrangle</code>	white triangle containing small white triangle
U+027C3		⊂						<code>\subsetcirc</code>	open subset
U+027C4		⊃						<code>\supsetcirc</code>	open superset
U+027CB		↗	↗					<code>\diagup<sup>(a)</sup></code>	mathematical rising diagonal
U+027CD		↘	↘					<code>\diagdown<sup>(a)</sup></code>	mathematical falling diagonal
U+027D0		◊		◊				<code>\diamondcdot</code>	white diamond with centred dot
U+0292B		✕						<code>\rdiagovfdiag</code>	rising diagonal crossing falling diagonal
U+0292C		✕						<code>\fdiagovrdiag</code>	falling diagonal crossing rising diagonal
U+0292D		↗						<code>\seovnearrow</code>	south east arrow crossing north east arrow
U+0292E		↗						<code>\neovsearrow</code>	north east arrow crossing south east arrow
U+0292F		↘						<code>\fdiagovnearrow</code>	falling diagonal crossing north east arrow
U+02930		↘						<code>\rdiagovsearrow</code>	rising diagonal crossing south east arrow
U+02931		↗						<code>\neovnwarrow</code>	north east arrow crossing north west arrow



usv	M	S	E	K	P	L	G	Macro	Description
U+02932		↖						<code>\nwovnearrow</code>	north west arrow crossing north east arrow
U+02934		↗	↘					<code>\uprightcurvearrow</code>	arrow pointing rightwards then curving upwards
U+02935		↘	↗					<code>\downrightcurvedarrow</code>	arrow pointing rightwards then curving downwards
U+02981		●	●	●				<code>\mdsmbkcircle</code>	z notation spot
U+02999		⋮						<code>\fourvdots</code>	dotted fence
U+0299A		⋈						<code>\vzigzag</code>	vertical zigzag line
U+0299B		∟						<code>\measuredangleleft</code>	measured angle opening left
U+0299C		⊥						<code>\rightanglesqr</code>	right angle variant with square
U+0299D		⊥						<code>\rightanglemdot</code>	measured right angle with dot
U+0299E		∠						<code>\angles</code>	angle with s inside
U+0299F		∠						<code>\angdnr</code>	acute angle
U+029A0		∠						<code>\gtlpar</code>	spherical angle opening left
U+029A1		∠						<code>\sphericalangleup</code>	spherical angle opening up
U+029A2		∠						<code>\turnangle</code>	turned angle
U+029A3		∠						<code>\revangle</code>	reversed angle
U+029A4		∠						<code>\angleubar</code>	angle with underbar
U+029A5		∠						<code>\revangleubar</code>	reversed angle with underbar
U+029A6		∠						<code>\wideangledown</code>	oblique angle opening up
U+029A7		∠						<code>\wideangleup</code>	oblique angle opening down

USV	M	S	E	K	P	L	G	Macro	Description
U+029A8								<code>\measanglerutone</code>	measured angle with open arm ending in arrow pointing up and right
U+029A9								<code>\measanglelutronw</code>	measured angle with open arm ending in arrow pointing up and left
U+029AA								<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
U+029AB								<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
U+029AC								<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
U+029AD								<code>\measangleultonw</code>	measured angle with open arm ending in arrow pointing left and up
U+029AE								<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down
U+029AF								<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0								<code>\revemptyset</code>	reversed empty set
U+029B1								<code>\emptysettoabar</code>	empty set with overbar
U+029B2								<code>\emptysettocirc</code>	empty set with small circle above
U+029B3								<code>\emptysettoarr</code>	empty set with right arrow above
U+029B4								<code>\emptysettoarrl</code>	empty set with left arrow above
U+029BA								<code>\obot</code>	circle divided by horizontal bar and top half divided by vertical bar
U+029BB								<code>\olcross</code>	circle with superimposed x

USV	M	S	E	K	P	L	G	Macro	Description
U+029BC								<code>\odotslashdot</code>	circled anticlockwise-rotated division sign
U+029BD								<code>\uparrowwincircle</code>	up arrow through circle
U+029BE								<code>\circledwhitebullet</code>	circled white bullet
U+029BF								<code>\circledbullet</code>	circled bullet
U+029C2								<code>\cirscir</code>	circle with small circle to the right
U+029C3								<code>\cirE</code>	circle with two horizontal strokes to the right
U+029C9								<code>\boxonbox</code>	two joined squares
U+029CA								<code>\triangleodot</code>	triangle with dot above
U+029CB								<code>\triangleubar</code>	triangle with underbar
U+029CC								<code>\triangles</code>	s in triangle
U+029DC								<code>\iinfin</code>	incomplete infinity
U+029DD								<code>\tieinfty</code>	tie over infinity
U+029DE								<code>\nvinfty</code>	infinity negated with vertical bar
U+029E0								<code>\laplac</code>	square with contoured outline
U+029E7								<code>\thermod</code>	thermodynamic
U+029E8								<code>\downtriangleleftblack</code>	down-pointing triangle with left half black
U+029E9								<code>\downtrianglerightblack</code>	down-pointing triangle with right half black
U+029EA								<code>\blackdiamonddownarrow</code>	black diamond with down arrow
U+029EC								<code>\circledownarrow</code>	white circle with down arrow

USV	M	S	E	K	P	L	G	Macro	Description
U+029ED								<code>\blackcircledownarrow</code>	black circle with down arrow
U+029EE								<code>\errbarsquare</code>	error-barred white square
U+029EF								<code>\errbarblacksquare</code>	error-barred black square
U+029F0								<code>\errbardiamond</code>	error-barred white diamond
U+029F1								<code>\errbarblackdiamond</code>	error-barred black diamond
U+029F2								<code>\errbarcircle</code>	error-barred white circle
U+029F3								<code>\errbarblackcircle</code>	error-barred black circle
U+02AE1								<code>\perps</code>	perpendicular with s
U+02AF1								<code>\topcir</code>	down tack with circle below
U+02B12								<code>\squaretopblack</code>	square with top half black
U+02B13								<code>\squarebotblack</code>	square with bottom half black
U+02B14								<code>\squareurblack</code>	square with upper right diagonal half black
U+02B15								<code>\squarellblack</code>	square with lower left diagonal half black
U+02B16								<code>\diamondleftblack</code>	diamond with left half black
U+02B17								<code>\diamondrightblack</code>	diamond with right half black
U+02B18								<code>\diamondtopblack</code>	diamond with top half black
U+02B19								<code>\diamondbotblack</code>	diamond with bottom half black
U+02B1A								<code>\dottedsquare</code>	dotted square
U+02B1B								<code>\lgblksquare</code>	black large square
U+02B1C								<code>\lgwhtsquare</code>	white large square

USV	M	S	E	K	P	L	G	Macro	Description
U+02B1D		▪	▪	▪				\vysmblksquare	black very small square
U+02B1E		◻	◻	◻				\vysmwhtsquare	white very small square
U+02B1F		⬠						\pentagonblack	black pentagon
U+02B20		⬡						\pentagon	white pentagon
U+02B21		⬢						\varhexagon	white hexagon
U+02B22		⬤						\varhexagonblack	black hexagon
U+02B23		⬡						\hexagonblack	horizontal black hexagon
U+02B24		●	●	●				\lgblkcircle	black large circle
U+02B25		◆	◆	◆				\mdblkdiamond	black medium diamond
U+02B26		◇	◇	◇				\mdwhtdiamond	white medium diamond
U+02B27		◆	◆	◆				\mdblklozenge	black medium lozenge
U+02B28		◇	◇	◇				\mdwhtlozenge	white medium lozenge
U+02B29		◆	◆	◆				\smbldiamond	black small diamond
U+02B2A		◆	◆	◆				\smbldlozenge	black small lozenge
U+02B2B		◇	◇	◇				\smwhtlozenge	white small lozenge
U+02B2C		●						\blkhorzoval	black horizontal ellipse
U+02B2D		○						\whthorzoval	white horizontal ellipse
U+02B2E		●						\blkvertoval	black vertical ellipse
U+02B2F		○						\whtvertoval	white vertical ellipse
U+02B50		☆						\medwhitestar	white medium star
U+02B51		★						\medblackstar	black medium star

USV	M	S	E	K	P	L	G	Macro	Description
U+02B52		☆						\smwhitestar	white small star
U+02B53		⬛						\rightpentagonblack	black right-pointing pentagon
U+02B54		⬜						\rightpentagon	white right-pointing pentagon
U+03012		〒						\postalmark	postal mark
U+03030		ㄥ						\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0		0	0	0	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1		1	1	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2		2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3		3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4		4	4	4	\Bbbfour	mathematical double-struck digit 4

USV	M	S	E	K	P	L	G	Macro	Description
U+1D7DD	5	5	5		5	5	5	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6		6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7		7	7	7	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8		8	8	8	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9		9	9	9	\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0	0	0	\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3	3	\msanstthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0	0	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3	3	\mbfsanstthree	mathematical sans-serif bold digit 3













































































































































USV	M	S	E	K	P	L	G	Macro	Description
U+1D7F0	4	4	4	4	4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6	6	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7	7	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8	8	\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9	9	\mbfsansnine	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0	0	\mttzero	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1	1	\mttone	mathematical monospace digit 1
U+1D7F8	2	2	2	2	2	2	2	\mtttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3	3	\mttthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4	4	\mttfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5	5	\mttfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6	6	\mttsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7	7	\mttseven	mathematical monospace digit 7
U+1D7FE	8	8	8	8	8	8	8	\mtteight	mathematical monospace digit 8
U+1D7FF	9	9	9	9	9	9	9	\mttnine	mathematical monospace digit 9



## 14 Relation symbols, `\mathrel`

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

USV	M	S	E	K	P	L	G	Macro	Description
U+0219F	↕	↕	↕	↕	↕	↕	↕	<code>\twoheaduparrow</code>	up two-headed arrow
U+021A0	↔	↔	↔	↔	↔	↔	↔	<code>\twoheadrightarrow<sup>(a)</sup></code>	right two-headed arrow
U+021A1	↕	↕	↕	↕	↕	↕	↕	<code>\twoheaddownarrow</code>	down two-headed arrow
U+021A2	↔	↔	↔	↔	↔	↔	↔	<code>\leftarrowtail<sup>(a)</sup></code>	left arrow-tailed
U+021A3	↔	↔	↔	↔	↔	↔	↔	<code>\rightarrowtail<sup>(a)</sup></code>	right arrow-tailed
U+021A4	↔	↔	↔	↔	↔	↔	↔	<code>\mapsfrom</code>	maps to, leftward
U+021A5	↕	↕	↕	↕	↕	↕	↕	<code>\mapsup</code>	maps to, upward
U+021A6	↔	↔	↔	↔	↔	↔	↔	<code>\mapsto<sup>(p)</sup></code>	maps to, rightward
U+021A7	↕	↕	↕	↕	↕	↕	↕	<code>\mapsdown</code>	maps to, downward
U+021A9	↔	↔	↔	↔	↔	↔	↔	<code>\hookleftarrow<sup>(p)</sup></code>	left arrow-hooked
U+021AA	↔	↔	↔	↔	↔	↔	↔	<code>\hookrightarrow<sup>(p)</sup></code>	right arrow-hooked
U+021AB	↔	↔	↔	↔	↔	↔	↔	<code>\looparrowleft<sup>(a)</sup></code>	left arrow-looped
U+021AC	↔	↔	↔	↔	↔	↔	↔	<code>\looparrowright<sup>(a)</sup></code>	right arrow-looped
U+021AD	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightsquigarrow<sup>(a)</sup></code>	left and right arr-wavy
U+021AE	↔	↔	↔	↔	↔	↔	↔	<code>\nleftarrow<sup>(a)</sup></code>	not left and right arrow
U+021AF		↕				↕	↕	<code>\downzigzagarrow</code>	downwards zigzag arrow
U+021B0	↙	↙	↙	↙	↙	↙	↙	<code>\Lsh<sup>(a)</sup></code>	<code>/lsh a:</code>
U+021B1	↘	↘	↘	↘	↘	↘	↘	<code>\Rsh<sup>(a)</sup></code>	<code>/rsh a:</code>
U+021B2	↙	↙	↙	↙	↙	↙	↙	<code>\Ldsh</code>	left down angled arrow
U+021B3	↘	↘	↘	↘	↘	↘	↘	<code>\Rdsh</code>	right down angled arrow
U+021B6	↩	↩	↩	↩	↩	↩	↩	<code>\curvearrowleft<sup>(a)</sup></code>	left curved arrow

USV	M	S	E	K	P	L	G	Macro	Description
U+021B7								<code>\curvearrowright<sup>(a)</sup></code>	right curved arrow
U+021BC								<code>\leftharpoonup<sup>(p)</sup></code>	left harpoon-up
U+021BD								<code>\leftharpoondown<sup>(p)</sup></code>	left harpoon-down
U+021BE								<code>\upharpoonright<sup>(a)</sup></code>	<code>/upharpoonright</code> /restriction a: up harpoon-right
U+021BF								<code>\upharpoonleft<sup>(a)</sup></code>	up harpoon-left
U+021C0								<code>\rightharpoonup<sup>(p)</sup></code>	right harpoon-up
U+021C1								<code>\rightharpoondown<sup>(p)</sup></code>	right harpoon-down
U+021C2								<code>\downharpoonright<sup>(a)</sup></code>	down harpoon-right
U+021C3								<code>\downharpoonleft<sup>(a)</sup></code>	down harpoon-left
U+021C4								<code>\rightleftarrows<sup>(a)</sup></code>	right arrow over left arrow
U+021C5								<code>\updownarrows</code>	up arrow, down arrow
U+021C6								<code>\leftrightarrows<sup>(a)</sup></code>	left arrow over right arrow
U+021C7								<code>\leftleftarrows<sup>(a)</sup></code>	two left arrows
U+021C8								<code>\upuparrows<sup>(a)</sup></code>	two up arrows
U+021C9								<code>\rightrightarrows<sup>(a)</sup></code>	two right arrows
U+021CA								<code>\downdownarrows<sup>(a)</sup></code>	two down arrows
U+021CB								<code>\leftrightharpoons<sup>(a)</sup></code>	left harpoon over right
U+021CC								<code>\rightleftharpoons<sup>(l)</sup></code>	right harpoon over left
U+021CD								<code>\nLeftarrow<sup>(a)</sup></code>	not implied by
U+021CE								<code>\nLeftrightarrow<sup>(a)</sup></code>	not left and right double arrows

USV	M	S	E	K	P	L	G	Macro	Description
U+021CF	⇏	⇎	⇐	⇑	⇒	⇓	⇔	<code>\nrightarrow<sup>(a)</sup></code>	not implies
U+021D0	⇐	⇑	⇒	⇓	⇔	⇕	⇖	<code>\Leftarrow<sup>(p)</sup></code>	is implied by
U+021D1	⇑	⇒	⇓	⇔	⇕	⇖	⇗	<code>\Uparrow<sup>(p)</sup></code>	up double arrow
U+021D2	⇒	⇑	⇒	⇓	⇔	⇕	⇖	<code>\Rightarrow<sup>(p)</sup></code>	implies
U+021D3	⇓	⇒	⇓	⇔	⇕	⇖	⇗	<code>\Downarrow<sup>(p)</sup></code>	down double arrow
U+021D4	⇔	⇑	⇒	⇓	⇔	⇕	⇖	<code>\Leftrightarrow<sup>(p)</sup></code>	left and right double arrow
U+021D5	⇕	⇒	⇓	⇔	⇕	⇖	⇗	<code>\Updownarrow<sup>(p)</sup></code>	up and down double arrow
U+021D6	↖	↗	↘	↙	↚	↛	↜	<code>\Nwarrow</code>	nw pointing double arrow
U+021D7	↗	↘	↙	↚	↛	↜	↝	<code>\Nearrow</code>	ne pointing double arrow
U+021D8	↘	↙	↚	↛	↜	↝	↞	<code>\Searrow</code>	se pointing double arrow
U+021D9	↙	↚	↛	↜	↝	↞	↠	<code>\Swarrow</code>	sw pointing double arrow
U+021DA	⇐	⇑	⇒	⇓	⇔	⇕	⇖	<code>\Lleftarrow<sup>(a)</sup></code>	left triple arrow
U+021DB	⇒	⇑	⇒	⇓	⇔	⇕	⇖	<code>\Rrightarrow<sup>(a)</sup></code>	right triple arrow
U+021DC	↩	↪	↫	↬	↭	↮	↯	<code>\leftsquigarrow</code>	leftwards squiggle arrow
U+021DD	↪	↫	↬	↭	↮	↯	↰	<code>\rightsquigarrow<sup>(a)</sup></code>	rightwards squiggle arrow
U+021E4		⇐				⇐	⇐	<code>\barleftarrow</code>	leftwards arrow to bar
U+021E5		⇑				⇑	⇑	<code>\rightarrowbar</code>	rightwards arrow to bar
U+021F4		⇐				⇐	⇐	<code>\circlearrowright</code>	right arrow with small circle
U+021F5	⇓	⇑	⇒	⇓	⇔	⇕	⇖	<code>\downuparrows</code>	downwards arrow leftwards of upwards arrow
U+021F6	⇒	⇑	⇒	⇓	⇔	⇕	⇖	<code>\rightthreearrows</code>	three rightwards arrows

USV	M	S	E	K	P	L	G	Macro	Description
U+021F7		↔				↔	↔	<code>\nvleftarrow</code>	leftwards arrow with vertical stroke
U+021F8		→				→	→	<code>\nvrightarrow</code>	rightwards arrow with vertical stroke
U+021F9		↔				↔	↔	<code>\nvleftrightharrow</code>	left right arrow with vertical stroke
U+021FA		↔				↔	↔	<code>\nVleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB		↔				↔	↔	<code>\nVrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC		↔				↔	↔	<code>\nVleftrightharrow</code>	left right arrow with double vertical stroke
U+021FD		↔				↔	↔	<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE		→				→	→	<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF		↔				↔	↔	<code>\leftrightharrowtriangle</code>	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	<code>\in<sup>(p)</sup></code>	set membership, variant
U+02209	∉	∉	∉	∉	∉	∉	∉	<code>\notin<sup>(l)</sup></code>	negated set membership
U+0220A	∈	∈	∈	∈	∈	∈	∈	<code>\smallin</code>	set membership (small set membership)
U+0220B	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\ni<sup>(p)</sup></code>	contains, variant
U+0220C	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nni</code>	negated contains, variant
U+0220D	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\smallni</code>	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	<code>\propto<sup>(p)</sup></code>	is proportional to
U+02223								<code>\mid<sup>(p)</sup></code>	/mid r:
U+02224	∤	∤	∤	∤	∤	∤	∤	<code>\nmid<sup>(a)</sup></code>	negated mid
U+02225								<code>\parallel<sup>(p)</sup></code>	parallel

usv	M	S	E	K	P	L	G	Macro	Description
U+02226	𐌚	𐌛	𐌜	𐌝	𐌞	𐌟	𐌠	<code>\nparallel<sup>(a)</sup></code>	not parallel
U+02236	𐌢	𐌣	𐌤	𐌥	𐌦	𐌧	𐌨	<code>\mathratio</code>	ratio
U+02237	𐌩	𐌪	𐌫	𐌬	𐌭	𐌮	𐌯	<code>\Colon</code>	two colons
U+02239	𐌱	𐌲	𐌳	𐌴	𐌵	𐌶	𐌷	<code>\dashcolon</code>	excess (-:)
U+0223A	𐌸	𐌹	𐌺	𐌻	𐌼	𐌽	𐌾	<code>\dotsminusdots</code>	minus with four dots, geometric properties
U+0223B	𐌿	𐍀	𐍁	𐍂	𐍃	𐍄	𐍅	<code>\kernelcontraction</code>	homothetic
U+0223C	𐍆	𐍇	𐍈	𐍉	𐍊	𐍋	𐍌	<code>\sim<sup>(p)</sup></code>	similar
U+0223D	𐍍	𐍎	𐍏	𐍐	𐍑	𐍒	𐍓	<code>\backsim<sup>(a)</sup></code>	reverse similar
U+02241	𐍔	𐍕	𐍖	𐍗	𐍘	𐍙	𐍚	<code>\nsim<sup>(a)</sup></code>	not similar
U+02242	𐍛	𐍜	𐍝	𐍞	𐍟	𐍠	𐍡	<code>\eqsim<sup>(a)</sup></code>	equals, similar
U+02243	𐍢	𐍣	𐍤	𐍥	𐍦	𐍧	𐍨	<code>\simeq<sup>(p)</sup></code>	similar, equals
U+02244	𐍩	𐍪	𐍫	𐍬	𐍭	𐍮	𐍯	<code>\nsime</code>	not similar, equals
U+02243	𐍢	𐍣	𐍤	𐍥	𐍦	𐍧	𐍨	<code>\sime</code>	similar, equals (alias)
U+02244	𐍩	𐍪	𐍫	𐍬	𐍭	𐍮	𐍯	<code>\nsimeq</code>	not similar, equals (alias)
U+02245	𐍰	𐍱	𐍲	𐍳	𐍴	𐍵	𐍶	<code>\cong<sup>(l)</sup></code>	congruent with
U+02246	𐍷	𐍸	𐍹	𐍺	𐍻	𐍼	𐍽	<code>\simneqq</code>	similar, not equals [vert only for 9573 entity]
U+02247	𐍿	𐎀	𐎁	𐎂	𐎃	𐎄	𐎅	<code>\ncong<sup>(a)</sup></code>	not congruent with
U+02248	𐎆	𐎇	𐎈	𐎉	𐎊	𐎋	𐎌	<code>\approx<sup>(p)</sup></code>	approximate
U+02249	𐎍	𐎎	𐎏	𐎐	𐎑	𐎒	𐎓	<code>\napprox</code>	not approximate
U+0224A	𐎔	𐎕	𐎖	𐎗	𐎘	𐎙	𐎚	<code>\approxeq<sup>(a)</sup></code>	approximate, equals




























































































































usv	M	S	E	K	P	L	G	Macro	Description
U+0224B	≈	≈	≈	≈	≈	≈	≈	<code>\approxident</code>	approximately identical to
U+0224C	≍	≍	≍	≍	≍	≍	≍	<code>\backcong</code>	all equal to
U+0224D	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\asymp<sup>(p)</sup></code>	asymptotically equal to
U+0224E	⋇	⋇	⋇	⋇	⋇		⋇	<code>\Bumpeq<sup>(a)</sup></code>	bumpy equals
U+0224F	⋈	⋈	⋈	⋈	⋈		⋈	<code>\bumpeq<sup>(a)</sup></code>	bumpy equals, equals
U+02250	⋐	⋐	⋐	⋐	⋐	⋐	⋐	<code>\doteq<sup>(l)</sup></code>	equals, single dot above
U+02251	⋑	⋑	⋑	⋑	⋑	⋑	⋑	<code>\Doteq<sup>(a)</sup></code>	/doteqdot /doteq r: equals, even dots
U+02252	⋒	⋒	⋒	⋒	⋒	⋒	⋒	<code>\fallingdotseq<sup>(a)</sup></code>	equals, falling dots
U+02253	⋓	⋓	⋓	⋓	⋓	⋓	⋓	<code>\risingdotseq<sup>(a)</sup></code>	equals, rising dots
U+02254	⋔	⋔	⋔	⋔	⋔	⋔	⋔	<code>\coloneq</code>	colon, equals
U+02255	⋕	⋕	⋕	⋕	⋕	⋕	⋕	<code>\eqcolon</code>	equals, colon
U+02256	⋖	⋖	⋖	⋖	⋖	⋖	⋖	<code>\eqcirc<sup>(a)</sup></code>	circle on equals sign
U+02257	⋗	⋗	⋗	⋗	⋗	⋗		<code>\circeq<sup>(a)</sup></code>	circle, equals
U+02258	⋘	⋘	⋘		⋘	⋘		<code>\arceq</code>	arc, equals; corresponds to
U+02259	⋙	⋙	⋙		⋙	⋙		<code>\wedgeeq</code>	corresponds to (wedge, equals)
U+0225A	⋚	⋚	⋚		⋚	⋚		<code>\veeeq</code>	logical or, equals
U+0225B	⋛	⋛	⋛		⋛	⋛		<code>\stareq</code>	star equals
U+0225C	⋜	⋜	⋜	⋜	⋜	⋜		<code>\triangleq<sup>(a)</sup></code>	triangle, equals
U+0225D	≐	≐	≐		≐	≐		<code>\eqdef</code>	equals by definition
U+0225E	≑	≑	≑		≑	≑		<code>\measeq</code>	measured by (m over equals)

USV	M	S	E	K	P	L	G	Macro	Description
U+0225F	$\stackrel{?}{=}$	$\stackrel{?}{=}$	$\stackrel{?}{=}$		$\stackrel{?}{=}$	$\stackrel{?}{=}$		<code>\questeq</code>	equal with questionmark
U+02260	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	$\neq$	<code>\ne<sup>(p)</sup></code>	/ne /neq r: not equal
U+02261	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	<code>\equiv<sup>(p)</sup></code>	identical with
U+02262	$\ncong$	$\ncong$	$\ncong$	$\ncong$	$\ncong$	$\ncong$	$\ncong$	<code>\nequiv</code>	not identical with
U+02263	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	$\equiv$	<code>\Equiv</code>	strict equivalence (4 lines)
U+02264	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	<code>\leq<sup>(p)</sup></code>	/leq /le r: less-than-or-equal
U+02265	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	<code>\geq<sup>(p)</sup></code>	/geq /ge r: greater-than-or-equal
U+02266	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	$\leq$	<code>\leqq<sup>(a)</sup></code>	less, double equals
U+02267	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	<code>\geqq<sup>(a)</sup></code>	greater, double equals
U+02268	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	<code>\nleqq<sup>(a)</sup></code>	less, not double equals
U+02269	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	<code>\ngneqq<sup>(a)</sup></code>	greater, not double equals
U+0226A	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	$\ll$	<code>\ll<sup>(p)</sup></code>	much less than, type 2
U+0226B	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	$\gg$	<code>\gg<sup>(p)</sup></code>	much greater than, type 2
U+0226C	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	$\between$	<code>\between<sup>(a)</sup></code>	between
U+0226D	$\nasymp$	$\nasymp$	$\nasymp$	$\nasymp$	$\nasymp$	$\nasymp$	$\nasymp$	<code>\nasymp</code>	not asymptotically equal to
U+0226E	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	$\nless$	<code>\nless<sup>(a)</sup></code>	not less-than
U+0226F	$\ngtr$	$\ngtr$	$\ngtr$	$\ngtr$	$\ngtr$	$\ngtr$	$\ngtr$	<code>\ngtr<sup>(a)</sup></code>	not greater-than
U+02270	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	$\nleq$	<code>\nleq<sup>(a)</sup></code>	not less-than-or-equal
U+02271	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	$\ngeq$	<code>\ngeq<sup>(a)</sup></code>	not greater-than-or-equal
U+02272	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	$\lesssim$	<code>\lesssim<sup>(a)</sup></code>	less, similar



usv	M	S	E	K	P	L	G	Macro	Description
U+02273	➤	➥	➦	➧	➨	➩	➪	<code>\gtrsim<sup>(a)</sup></code>	greater, similar
U+02274	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\nlesssim</code>	not less, similar
U+02275	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\ngtrsim</code>	not greater, similar
U+02276	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\lessgtr<sup>(a)</sup></code>	less, greater
U+02277	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\gtrless<sup>(a)</sup></code>	greater, less
U+02278	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\nlessgtr</code>	not less, greater
U+02279	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\ngtrless</code>	not greater, less
U+0227A	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\prec<sup>(p)</sup></code>	precedes
U+0227B	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\succ<sup>(p)</sup></code>	succeeds
U+0227C	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\preccurlyeq<sup>(a)</sup></code>	precedes, curly equals
U+0227D	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\succcurlyeq<sup>(a)</sup></code>	succeeds, curly equals
U+0227E	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\precsim<sup>(a)</sup></code>	precedes, similar
U+0227F	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\succsim<sup>(a)</sup></code>	succeeds, similar
U+02280	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\nprec<sup>(a)</sup></code>	not precedes
U+02281	➤̸	➥̸	➦̸	➧̸	➨̸	➩̸	➪̸	<code>\nsucc<sup>(a)</sup></code>	not succeeds
U+02282	⊂	⊃	⊄	⊅	⊆	⊇	⊈	<code>\subset<sup>(p)</sup></code>	subset or is implied by
U+02283	⊃	⊄	⊅	⊆	⊇	⊈	⊉	<code>\supset<sup>(p)</sup></code>	superset or implies
U+02284	⊄̸	⊅	⊅̸	⊈	⊉	⊈̸	⊉̸	<code>\nsubset</code>	not subset, variant [slash negation]
U+02285	⊄̸	⊅	⊅̸	⊈	⊉	⊈̸	⊉̸	<code>\nsupset</code>	not superset, variant [slash negation]
U+02286	⊆	⊇	⊈	⊉	⊊	⊋	⊌	<code>\subteq<sup>(p)</sup></code>	subset, equals

USV	M	S	E	K	P	L	G	Macro	Description
U+02287	⊇	⊇	⊇	⊇	⊇	⊇	⊇	<code>\supseteq<sup>(p)</sup></code>	superset, equals
U+02288	⊈	⊈	⊈	⊈	⊈	⊈	⊈	<code>\nsubseteq<sup>(a)</sup></code>	not subset, equals
U+02289	⊉	⊉	⊉	⊉	⊉	⊉	⊉	<code>\nsupseteq<sup>(a)</sup></code>	not superset, equals
U+0228A	⊊	⊊	⊊	⊊	⊊	⊊	⊊	<code>\subsetneq<sup>(a)</sup></code>	subset, not equals
U+0228B	⊋	⊋	⊋	⊋	⊋	⊋	⊋	<code>\supsetneq<sup>(a)</sup></code>	superset, not equals
U+0228F	⊐	⊐	⊐	⊐	⊐	⊐	⊐	<code>\sqsubset</code>	square subset
U+02290	⊑	⊑	⊑	⊑	⊑	⊑	⊑	<code>\sqsupset</code>	square superset
U+02291	⊒	⊒	⊒	⊒	⊒	⊒	⊒	<code>\sqsubseteq<sup>(p)</sup></code>	square subset, equals
U+02292	⊓	⊓	⊓	⊓	⊓	⊓	⊓	<code>\sqsupseteq<sup>(p)</sup></code>	square superset, equals
U+022A2	⊢	⊢	⊢	⊢	⊢	⊢	⊢	<code>\vdash<sup>(p)</sup></code>	vertical, dash
U+022A3	⊣	⊣	⊣	⊣	⊣	⊣	⊣	<code>\dashv<sup>(p)</sup></code>	dash, vertical
U+022A6	⊤	⊤	⊤	⊤	⊤	⊤	⊤	<code>\assert</code>	assertion (vertical, short dash)
U+022A7	⊥	⊥	⊥	⊥	⊥	⊥	⊥	<code>\models<sup>(p)</sup></code>	models (vertical, short double dash)
U+022A8	⊦	⊦	⊦	⊦	⊦	⊦	⊦	<code>\vDash<sup>(a)</sup></code>	vertical, double dash
U+022A9	⊨	⊨	⊨	⊨	⊨	⊨	⊨	<code>\Vdash<sup>(a)</sup></code>	double vertical, dash
U+022AA	⊩	⊩	⊩	⊩	⊩	⊩	⊩	<code>\Vvdash<sup>(a)</sup></code>	triple vertical, dash
U+022AB	⊪	⊪	⊪	⊪	⊪	⊪	⊪	<code>\VDash</code>	double vert, double dash
U+022AC	⊭	⊭	⊭	⊭	⊭	⊭	⊭	<code>\nvDash<sup>(a)</sup></code>	not vertical, dash
U+022AD	⊮	⊮	⊮	⊮	⊮	⊮	⊮	<code>\nvDash<sup>(a)</sup></code>	not vertical, double dash
U+022AE	⊯	⊯	⊯	⊯	⊯	⊯	⊯	<code>\nVdash<sup>(a)</sup></code>	not double vertical, dash

USV	M	S	E	K	P	L	G	Macro	Description
U+022AF								<code>\nVDash<sup>(a)</sup></code>	not double vert, double dash
U+022B0								<code>\prurel</code>	element precedes under relation
U+022B1								<code>\scurel</code>	succeeds under relation
U+022B2								<code>\vartriangleleft<sup>(a)</sup></code>	left triangle, open, variant
U+022B3								<code>\vartriangleright<sup>(a)</sup></code>	right triangle, open, variant
U+022B4								<code>\trianglelefteq<sup>(a)</sup></code>	left triangle, equals
U+022B5								<code>\trianglerighteq<sup>(a)</sup></code>	right triangle, equals
U+022B6								<code>\origof</code>	original of
U+022B7								<code>\imageof</code>	image of
U+022B8								<code>\multimap<sup>(a)</sup></code>	/multimap a:
U+022C8								<code>\bowtie<sup>(p)</sup></code>	bowtie
U+022CD								<code>\backsimeq<sup>(a)</sup></code>	reverse similar, equals
U+022D0								<code>\Subset<sup>(a)</sup></code>	double subset
U+022D1								<code>\Supset<sup>(a)</sup></code>	double superset
U+022D4								<code>\pitchfork<sup>(a)</sup></code>	pitchfork
U+022D5								<code>\equalparallel</code>	parallel, equal; equal or parallel
U+022D6								<code>\lessdot<sup>(a)</sup></code>	less than, with dot
U+022D7								<code>\gtrdot<sup>(a)</sup></code>	greater than, with dot
U+022D8								<code>\lll<sup>(a)</sup></code>	/ll /lll /llless r: triple less-than
U+022D9								<code>\ggg<sup>(a)</sup></code>	/ggg /gg /gggr r: triple greater-than

USV	M	S	E	K	P	L	G	Macro	Description
U+022DA	≠	≠	≠	≠	≠	≠	≠	<code>\lesseqgtr<sup>(a)</sup></code>	less, equals, greater
U+022DB	≠	≠	≠	≠	≠	≠	≠	<code>\gtreqless<sup>(a)</sup></code>	greater, equals, less
U+022DC	≠	≠	≠	≠	≠	≠	≠	<code>\eqless</code>	equal-or-less
U+022DD	≠	≠	≠	≠	≠	≠	≠	<code>\eqgtr</code>	equal-or-greater
U+022DE	≠	≠	≠	≠	≠	≠	≠	<code>\curlyeqprec<sup>(a)</sup></code>	curly equals, precedes
U+022DF	≠	≠	≠	≠	≠	≠	≠	<code>\curlyeqsucc<sup>(a)</sup></code>	curly equals, succeeds
U+022E0	≠	≠	≠	≠	≠	≠	≠	<code>\nprec curlyeq</code>	not precedes, curly equals
U+022E1	≠	≠	≠	≠	≠	≠	≠	<code>\nsucc curlyeq</code>	not succeeds, curly equals
U+022E2	≠	≠	≠	≠	≠	≠	≠	<code>\nsqsubseteq</code>	not, square subset, equals
U+022E3	≠	≠	≠	≠	≠	≠	≠	<code>\nsqsupseteq</code>	not, square superset, equals
U+022E4	≠	≠	≠	≠	≠	≠	≠	<code>\sqsubsetneq</code>	square subset, not equals
U+022E5	≠	≠	≠	≠	≠	≠	≠	<code>\sqsupsetneq</code>	square superset, not equals
U+022E6	≠	≠	≠	≠	≠	≠	≠	<code>\lnsim<sup>(a)</sup></code>	less, not similar
U+022E7	≠	≠	≠	≠	≠	≠	≠	<code>\gnsim<sup>(a)</sup></code>	greater, not similar
U+022E8	≠	≠	≠	≠	≠	≠	≠	<code>\precnsim<sup>(a)</sup></code>	precedes, not similar
U+022E9	≠	≠	≠	≠	≠	≠	≠	<code>\succnsim<sup>(a)</sup></code>	succeeds, not similar
U+022EA	≠	≠	≠	≠	≠	≠	≠	<code>\nvartriangleleft</code>	not left triangle
U+022EB	≠	≠	≠	≠	≠	≠	≠	<code>\nvartriangleright</code>	not right triangle
U+022EC	≠	≠	≠	≠	≠	≠	≠	<code>\ntrianglelefteq<sup>(a)</sup></code>	not left triangle, equals
U+022ED	≠	≠	≠	≠	≠	≠	≠	<code>\ntrianglerighteq<sup>(a)</sup></code>	not right triangle, equals
U+022EE	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\vdots<sup>(p)</sup></code>	vertical ellipsis

USV	M	S	E	K	P	L	G	Macro	Description
U+022F0								<code>\adots</code>	three dots, ascending
U+022F1								<code>\ddots<sup>(p)</sup></code>	three dots, descending
U+022F2								<code>\disin</code>	element of with long horizontal stroke
U+022F3								<code>\varisins</code>	element of with vertical bar at end of horizontal stroke
U+022F4								<code>\isins</code>	small element of with vertical bar at end of horizontal stroke
U+022F5								<code>\isindot</code>	element of with dot above
U+022F6								<code>\varisinobar</code>	element of with overbar
U+022F7								<code>\isinobar</code>	small element of with overbar
U+022F8								<code>\isinvb</code>	element of with underbar
U+022F9								<code>\isinE</code>	element of with two horizontal strokes
U+022FA								<code>\nisd</code>	contains with long horizontal stroke
U+022FB								<code>\varnis</code>	contains with vertical bar at end of horizontal stroke
U+022FC								<code>\nis</code>	small contains with vertical bar at end of horizontal stroke
U+022FD								<code>\varniobar</code>	contains with overbar
U+022FE								<code>\niobar</code>	small contains with overbar
U+022FF								<code>\bagmember</code>	z notation bag membership
U+02322								<code>\frown<sup>(p)</sup></code>	down curve
U+02323								<code>\smile<sup>(p)</sup></code>	up curve
U+0233F								<code>\APLnotslash</code>	solidus, bar through (apl functional symbol slash bar)




















USV	M	S	E	K	P	L	G	Macro	Description
U+025B5								<code>\vartriangle<sup>(a)</sup></code>	/triangle - up triangle, open
U+027C2								<code>\perp<sup>(p)</sup></code>	perpendicular
U+027C8								<code>\bsolhsb</code>	reverse solidus preceding subset
U+027C9								<code>\supsol</code>	superset preceding solidus
U+027D2								<code>\upin</code>	element of opening upwards
U+027D3								<code>\pullback</code>	lower right corner with dot
U+027D4								<code>\pushout</code>	upper left corner with dot
U+027DA								<code>\DashVDash</code>	left and right double turnstile
U+027DB								<code>\dashVdash</code>	left and right tack
U+027DC								<code>\multimapinv</code>	left multimap
U+027DD								<code>\vlongdash</code>	long left tack
U+027DE								<code>\longdashv</code>	long right tack
U+027DF								<code>\cirbot</code>	up tack with circle above
U+027F0								<code>\UUparrow</code>	upwards quadruple arrow
U+027F1								<code>\DDownarrow</code>	downwards quadruple arrow
U+027F2								<code>\acwgapcirculararrow</code>	anticlockwise gapped circle arrow
U+027F3								<code>\cwgapcirculararrow</code>	clockwise gapped circle arrow
U+027F4								<code>\rightarrowonoplus</code>	right arrow with circled plus
U+027F5								<code>\longleftarrow<sup>(p)</sup></code>	long leftwards arrow
U+027F6								<code>\longrightarrow<sup>(p)</sup></code>	long rightwards arrow

USV	M	S	E	K	P	L	G	Macro	Description
U+027F7								<code>\longlefttrightarrow<sup>(p)</sup></code>	long left right arrow
U+027F8								<code>\Longleftarrow<sup>(p)</sup></code>	long leftwards double arrow
U+027F9								<code>\Longrightarrow<sup>(p)</sup></code>	long rightwards double arrow
U+027FA								<code>\Longlefttrightarrow<sup>(p)</sup></code>	long left right double arrow
U+027FB								<code>\longmapsfrom</code>	long leftwards arrow from bar
U+027FC								<code>\longmapsto<sup>(p)</sup></code>	long rightwards arrow from bar
U+027FD								<code>\Longmapsfrom</code>	long leftwards double arrow from bar
U+027FE								<code>\Longmapsto</code>	long rightwards double arrow from bar
U+027FF								<code>\longrightsquigarrow</code>	long rightwards squiggle arrow
U+02900								<code>\nvtwoheadrightarrow</code>	rightwards two-headed arrow with vertical stroke
U+02901								<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with double vertical stroke
U+02902								<code>\nvLeftarrow</code>	leftwards double arrow with vertical stroke
U+02903								<code>\nvRrightarrow</code>	rightwards double arrow with vertical stroke
U+02904								<code>\nvLeftrightarrow</code>	left right double arrow with vertical stroke
U+02905								<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
U+02906								<code>\Mapsfrom</code>	leftwards double arrow from bar
U+02907								<code>\Mapsto</code>	rightwards double arrow from bar
U+02908								<code>\downarrowbarred</code>	downwards arrow with horizontal stroke

usv	M	S	E	K	P	L	G	Macro	Description
U+02909		↱						\uparrowbarred	upwards arrow with horizontal stroke
U+0290A		↗				↗		\Uparrow	upwards triple arrow
U+0290B		↘				↘		\Ddownarrow	downwards triple arrow
U+0290C		↖						\leftbkarrow	leftwards double dash arrow
U+0290D		↗						\rightbkarrow	rightwards double dash arrow
U+0290E		↖						\leftdbkarrow	leftwards triple dash arrow
U+0290F		↗						\dbkarrow	rightwards triple dash arrow
U+02910		↔						\drbkarrow	rightwards two-headed triple dash arrow
U+02911		→						\rightrightarrow	rightwards arrow with dotted stem
U+02912		↑						\baruparrow	upwards arrow to bar
U+02913		↓						\downarrowbar	downwards arrow to bar
U+02914		↗						\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915		↗						\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916		↔						\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917		↔						\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		↔						\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		←						\lefttail	leftwards arrow-tail
U+0291A		→						\righttail	rightwards arrow-tail



usv	M	S	E	K	P	L	G	Macro	Description
U+0291B		↤						\leftdbltail	leftwards double arrow-tail
U+0291C		↥						\rightdbltail	rightwards double arrow-tail
U+0291D		↤						\diamondleftarrow	leftwards arrow to black diamond
U+0291E		↥						\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		↤						\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		↥						\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921		↖						\nwsearrow	north west and south east arrow
U+02922		↗						\neswarrow	north east and south west arrow
U+02923		↖						\hknwarrow	north west arrow with hook
U+02924		↗						\hknesarrow	north east arrow with hook
U+02925		↘						\hksearrow	south east arrow with hook
U+02926		↙						\hkswarrow	south west arrow with hook
U+02927		↗						\tona	north west arrow and north east arrow
U+02928		↘						\toea	north east arrow and south east arrow
U+02929		↘						\tosa	south east arrow and south west arrow
U+0292A		↙						\towa	south west arrow and north west arrow
U+02933		↪	↪					\rightcurvedarrow	wave arrow pointing directly right
U+02936		↩	↩					\leftdowncurvedarrow	arrow pointing downwards then curving leftwards

usv	M	S	E	K	P	L	G	Macro	Description
U+02937								<code>\rightrightarrow</code>	arrow pointing downwards then curving rightwards
U+02938								<code>\cwrightarcarrow</code>	right-side arc clockwise arrow
U+02939								<code>\acwleftarcarrow</code>	left-side arc anticlockwise arrow
U+0293A								<code>\acwoverarcarrow</code>	top arc anticlockwise arrow
U+0293B								<code>\acwunderarcarrow</code>	bottom arc anticlockwise arrow
U+0293C								<code>\curvearrowrightminus</code>	top arc clockwise arrow with minus
U+0293D								<code>\curvearrowleftplus</code>	top arc anticlockwise arrow with plus
U+0293E								<code>\cwundercurvearrow</code>	lower right semicircular clockwise arrow
U+0293F								<code>\ccwundercurvearrow</code>	lower left semicircular anticlockwise arrow
U+02940								<code>\acwcirculararrow</code>	anticlockwise closed circle arrow
U+02941								<code>\cwcirculararrow</code>	clockwise closed circle arrow
U+02942								<code>\rightarrowshortleftarrow</code>	rightwards arrow above short leftwards arrow
U+02943								<code>\leftarrowshortrightarrow</code>	leftwards arrow above short rightwards arrow
U+02944								<code>\shortrightarrowleftarrow</code>	short rightwards arrow above leftwards arrow
U+02945								<code>\rightarrowplus</code>	rightwards arrow with plus below
U+02946								<code>\leftarrowplus</code>	leftwards arrow with plus below
U+02947								<code>\rightarrowx</code>	rightwards arrow through x
U+02948								<code>\leftrightarrowcircle</code>	left right arrow through small circle

usv	M	S	E	K	P	L	G	Macro	Description
U+02949		↯						<code>\twoheaduparrowcircle</code>	upwards two-headed arrow from small circle
U+0294A		↰						<code>\leftrightharpoonupdown</code>	left barb up right barb down harpoon
U+0294B		↱						<code>\leftrightharpoondownup</code>	left barb down right barb up harpoon
U+0294C		↴						<code>\updownharpoonrightleft</code>	up barb right down barb left harpoon
U+0294D		↵						<code>\updownharpoonleftright</code>	up barb left down barb right harpoon
U+0294E		↶						<code>\leftrightharpoonupup</code>	left barb up right barb up harpoon
U+0294F		↷						<code>\updownharpoonrightright</code>	up barb right down barb right harpoon
U+02950		↸						<code>\leftrightharpoondowndown</code>	left barb down right barb down harpoon
U+02951		↹						<code>\updownharpoonleftleft</code>	up barb left down barb left harpoon
U+02952		↵̄						<code>\barleftharpoonup</code>	leftwards harpoon with barb up to bar
U+02953		↶̄						<code>\rightharpoonupbar</code>	rightwards harpoon with barb up to bar
U+02954		↷̄						<code>\barupharpoonright</code>	upwards harpoon with barb right to bar
U+02955		↸̄						<code>\downharpoonrightbar</code>	downwards harpoon with barb right to bar
U+02956		↹̄						<code>\barleftharpoondown</code>	leftwards harpoon with barb down to bar
U+02957		↶̄						<code>\rightharpoondownbar</code>	rightwards harpoon with barb down to bar
U+02958		↷̄						<code>\barupharpoonleft</code>	upwards harpoon with barb left to bar

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

usv	M	S	E	K	P	L	G	Macro	Description
U+02968		⇒						<code>\rightleftharpoonsup</code>	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⇌						<code>\rightleftharpoonsdown</code>	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⇐						<code>\leftharpoonupdash</code>	leftwards harpoon with barb up above long dash
U+0296B		⇐						<code>\dashleftharpoonowdown</code>	leftwards harpoon with barb down below long dash
U+0296C		⇒						<code>\rightharpoonupdash</code>	rightwards harpoon with barb up above long dash
U+0296D		⇒						<code>\dashrightharpoonowdown</code>	rightwards harpoon with barb down below long dash
U+0296E		↕						<code>\updownharpoonsleftright</code>	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		↕						<code>\downupharpoonsleftright</code>	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		⇒						<code>\rightimply</code>	right double arrow with rounded head
U+02971		⇒				⇒		<code>\equalrightarrow</code>	equals sign above rightwards arrow
U+02972		⇒				⇒		<code>\similarrightarrow</code>	tilde operator above rightwards arrow
U+02973		⇐				⇐		<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
U+02974		⇒				⇒		<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
U+02975		≈				≈		<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
U+02976		⇐						<code>\ltlarr</code>	less-than above leftwards arrow
U+02977		⇐						<code>\leftarrowless</code>	leftwards arrow through less-than

usv	M	S	E	K	P	L	G	Macro	Description
U+02978		➤						<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		⊆						<code>\subrarr</code>	subset above rightwards arrow
U+0297A		⊆						<code>\leftarrowsubset</code>	leftwards arrow through subset
U+0297B		⊇						<code>\suplarr</code>	superset above leftwards arrow
U+0297C		↵						<code>\leftfishtail</code>	left fish tail
U+0297D		↶						<code>\rightfishtail</code>	right fish tail
U+0297E		↗						<code>\upfishtail</code>	up fish tail
U+0297F		↘						<code>\downfishtail</code>	down fish tail
U+02982		⋮					⋮	<code>\typecolon</code>	z notation type colon
U+029CE		⌊						<code>\rtriltri</code>	right triangle above left triangle
U+029CF		⌊						<code>\ltrivb</code>	left triangle beside vertical bar
U+029D0		⌊						<code>\vbrtri</code>	vertical bar beside right triangle
U+029D1		⌘						<code>\lfbowtie</code>	left black bowtie
U+029D2		⌘						<code>\rfbowtie</code>	right black bowtie
U+029D3		⌘						<code>\fbowtie</code>	black bowtie
U+029D4		⌘						<code>\lftimes</code>	left black times
U+029D5		⌘						<code>\rftimes</code>	right black times
U+029DF		↔					↔	<code>\dualmap</code>	double-ended multimap
U+029E1		⌵						<code>\lrtriangleeq</code>	increases as
U+029E3		#						<code>\eparsl</code>	equals sign and slanted parallel

USV	M	S	E	K	P	L	G	Macro	Description
U+029E4		$\#$						<code>\smeparsl</code>	equals sign and slanted parallel with tilde above
U+029E5		$\#$						<code>\eqvparsl</code>	identical to and slanted parallel
U+029E6		$\text{H}$						<code>\gleichstark</code>	gleich stark
U+029F4		$\dot{\rightarrow}$						<code>\ruledelayed</code>	rule-delayed
U+02A59		$\times$						<code>\veeonwedge</code>	logical or overlapping logical and
U+02A66		$\dot{=}$						<code>\eqdot</code>	equals sign with dot below
U+02A67		$\dot{=}$						<code>\dotequiv</code>	identical with dot above
U+02A68		$\#$						<code>\equivVert</code>	triple horizontal bar with double vertical stroke
U+02A69		$\#$						<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
U+02A6A		$\sim$					$\sim$	<code>\dotsim</code>	tilde operator with dot above
U+02A6B		$\sim$					$\sim$	<code>\simrdots</code>	tilde operator with rising dots
U+02A6C		$\approx$					$\approx$	<code>\simminusim</code>	similar minus similar
U+02A6D		$\cong$					$\cong$	<code>\congdot</code>	congruent with dot above
U+02A6E		$\equiv$						<code>\asteq</code>	equals with asterisk
U+02A6F		$\approx$						<code>\hatapprox</code>	almost equal to with circumflex accent
U+02A70		$\approx$					$\approx$	<code>\approxpeq</code>	approximately equal or equal to
U+02A73		$\approx$					$\approx$	<code>\eqqsim</code>	equals sign above tilde operator
U+02A74		$::=$		$::=$			$::=$	<code>\Coloneq</code>	double colon equal
U+02A75		$=$					$=$	<code>\eqeq</code>	two consecutive equals signs

USV	M	S	E	K	P	L	G	Macro	Description
U+02A76		===					===	\eqseq	three consecutive equals signs
U+02A77		≐						\ddotseq	equals sign with two dots above and two dots below
U+02A78		≐						\equivDD	equivalent with four dots above
U+02A79		⋈					⋈	\ltcir	less-than with circle inside
U+02A7A		⋉					⋉	\gtcir	greater-than with circle inside
U+02A7B		⋈?						\ltquest	less-than with question mark above
U+02A7C		⋉?						\gtquest	greater-than with question mark above
U+02A7D	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\leqslant <sup>(a)</sup>	less-than or slanted equal to
U+02A7E	⋉	⋉	⋉	⋉	⋉	⋉	⋉	\geqslant <sup>(a)</sup>	greater-than or slanted equal to
U+02A7F		⋈					⋈	\lesdot	less-than or slanted equal to with dot inside
U+02A80		⋉					⋉	\gesdot	greater-than or slanted equal to with dot inside
U+02A81		⋈						\lesdoto	less-than or slanted equal to with dot above
U+02A82		⋉						\gesdoto	greater-than or slanted equal to with dot above
U+02A83		⋈						\lesdotor	less-than or slanted equal to with dot above right
U+02A84		⋉						\gesdoto1	greater-than or slanted equal to with dot above left
U+02A85	⋈	⋈	⋈	⋈	⋈		⋈	\lessapprox <sup>(a)</sup>	less-than or approximate
U+02A86	⋉	⋉	⋉	⋉	⋉		⋉	\gtrapprox <sup>(a)</sup>	greater-than or approximate
U+02A87	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\lneq <sup>(a)</sup>	less-than and single-line not equal to



USV	M	S	E	K	P	L	G	Macro	Description
U+02A88								<code>\gneq<sup>(a)</sup></code>	greater-than and single-line not equal to
U+02A89								<code>\lnapprox<sup>(a)</sup></code>	less-than and not approximate
U+02A8A								<code>\gnapprox<sup>(a)</sup></code>	greater-than and not approximate
U+02A8B								<code>\lesseqgtr<sup>(a)</sup></code>	less-than above double-line equal above greater-than
U+02A8C								<code>\gtreqless<sup>(a)</sup></code>	greater-than above double-line equal above less-than
U+02A8D								<code>\lsime</code>	less-than above similar or equal
U+02A8E								<code>\gsime</code>	greater-than above similar or equal
U+02A8F								<code>\lsimg</code>	less-than above similar above greater-than
U+02A90								<code>\gsiml</code>	greater-than above similar above less-than
U+02A91								<code>\lgE</code>	less-than above greater-than above double-line equal
U+02A92								<code>\glE</code>	greater-than above less-than above double-line equal
U+02A93								<code>\lesges</code>	less-than above slanted equal above greater-than above slanted equal
U+02A94								<code>\gesles</code>	greater-than above slanted equal above less-than above slanted equal
U+02A95								<code>\eqslantless<sup>(a)</sup></code>	slanted equal to or less-than
U+02A96								<code>\eqslantgtr<sup>(a)</sup></code>	slanted equal to or greater-than
U+02A97								<code>\elsdot</code>	slanted equal to or less-than with dot inside
U+02A98								<code>\egsdot</code>	slanted equal to or greater-than with dot inside

USV	M	S	E	K	P	L	G	Macro	Description
U+02A99		≡						<code>\eqqlless</code>	double-line equal to or less-than
U+02A9A		≧						<code>\eqqgtr</code>	double-line equal to or greater-than
U+02A9B		≧̸	≧̸					<code>\eqqslantless</code>	double-line slanted equal to or less-than
U+02A9C		≧̸	≧̸					<code>\eqqslantgtr</code>	double-line slanted equal to or greater-than
U+02A9D		≈						<code>\simless</code>	similar or less-than
U+02A9E		≈						<code>\simgtr</code>	similar or greater-than
U+02A9F		≉						<code>\simlE</code>	similar above less-than above equals sign
U+02AA0		≉						<code>\simgE</code>	similar above greater-than above equals sign
U+02AA1		≪						<code>\Lt</code>	double nested less-than
U+02AA2		≫						<code>\Gt</code>	double nested greater-than
U+02AA3		≪̸						<code>\partialmeetcontraction</code>	double less-than with underbar
U+02AA4		⋈						<code>\glj</code>	greater-than overlapping less-than
U+02AA5		×						<code>\gla</code>	greater-than beside less-than
U+02AA6		◁						<code>\ltcc</code>	less-than closed by curve
U+02AA7		▷						<code>\gtcc</code>	greater-than closed by curve
U+02AA8		◁̸						<code>\lescc</code>	less-than closed by curve above slanted equal
U+02AA9		▷̸						<code>\gescc</code>	greater-than closed by curve above slanted equal
U+02AAA		≪						<code>\smt</code>	smaller than
U+02AAB		≫						<code>\lat</code>	larger than

USV	M	S	E	K	P	L	G	Macro	Description
U+02AAC		≤						\smte	smaller than or equal to
U+02AAD		≥						\late	larger than or equal to
U+02AAE		≐					≐	\bumpeq	equals sign with bumpy above
U+02AAF	⋈	≤	≧	⋈	⋈	⋈	⋈	\preceq <sup>(p)</sup>	precedes above single-line equals sign
U+02AB0	⋈	≥	≦	⋈	⋈	⋈	⋈	\succeq <sup>(p)</sup>	succeeds above single-line equals sign
U+02AB1		⋈	≧	⋈		⋈	⋈	\precneq	precedes above single-line not equal to
U+02AB2		⋈	≦	⋈		⋈	⋈	\succneq	succeeds above single-line not equal to
U+02AB3		≐	≧	≐		≐	≐	\preceqq	precedes above equals sign
U+02AB4		≐	≦	≐		≐	≐	\succeqq	succeeds above equals sign
U+02AB5		⋈	≧	⋈		⋈	⋈	\precneqq <sup>(a)</sup>	precedes above not equal to
U+02AB6		⋈	≦	⋈		⋈	⋈	\succneqq <sup>(a)</sup>	succeeds above not equal to
U+02AB7		≈	≈	≈			≈	\precapprox <sup>(a)</sup>	precedes above almost equal to
U+02AB8		≈	≈	≈			≈	\succapprox <sup>(a)</sup>	succeeds above almost equal to
U+02AB9		≈	≈	≈			≈	\precnapprox <sup>(a)</sup>	precedes above not almost equal to
U+02ABA		≈	≈	≈			≈	\succnapprox <sup>(a)</sup>	succeeds above not almost equal to
U+02ABB		⋈					⋈	\Prec	double precedes
U+02ABC		⋈					⋈	\Succ	double succeeds
U+02ABD		⊂					⊂	\subsetdot	subset with dot
U+02ABE		⊃					⊃	\supsetdot	superset with dot

USV	M	S	E	K	P	L	G	Macro	Description
U+02ABF		⊆ <sup>+</sup>						<code>\subsetplus</code>	subset with plus sign below
U+02AC0		⊇ <sup>+</sup>						<code>\supsetplus</code>	superset with plus sign below
U+02AC1		⊆ <sup>×</sup>						<code>\submult</code>	subset with multiplication sign below
U+02AC2		⊇ <sup>×</sup>						<code>\supmult</code>	superset with multiplication sign below
U+02AC3		⊆ <sup>⋅</sup>						<code>\subedot</code>	subset of or equal to with dot above
U+02AC4		⊇ <sup>⋅</sup>						<code>\supedot</code>	superset of or equal to with dot above
U+02AC5		⊆ <sup>=</sup>	⊆ <sup>=</sup>	⊆ <sup>=</sup>			⊆ <sup>=</sup>	<code>\subseteqq<sup>(a)</sup></code>	subset of above equals sign
U+02AC6		⊇ <sup>=</sup>	⊇ <sup>=</sup>	⊇ <sup>=</sup>			⊇ <sup>=</sup>	<code>\supseteqq<sup>(a)</sup></code>	superset of above equals sign
U+02AC7		⊆ <sup>~</sup>					⊆ <sup>~</sup>	<code>\subsim</code>	subset of above tilde operator
U+02AC8		⊇ <sup>~</sup>					⊇ <sup>~</sup>	<code>\supsim</code>	superset of above tilde operator
U+02AC9		⊆ <sup>≈</sup>					⊆ <sup>≈</sup>	<code>\subsetapprox</code>	subset of above almost equal to
U+02ACA		⊇ <sup>≈</sup>					⊇ <sup>≈</sup>	<code>\supsetapprox</code>	superset of above almost equal to
U+02ACB		⊆ <sup>≠</sup>	⊆ <sup>≠</sup>	⊆ <sup>≠</sup>			⊆ <sup>≠</sup>	<code>\subsetneqq<sup>(a)</sup></code>	subset of above not equal to
U+02ACC		⊇ <sup>≠</sup>	⊇ <sup>≠</sup>	⊇ <sup>≠</sup>			⊇ <sup>≠</sup>	<code>\supsetneqq<sup>(a)</sup></code>	superset of above not equal to
U+02ACD		⌊						<code>\lsqhook</code>	square left open box operator
U+02ACE		⌋						<code>\rsqhook</code>	square right open box operator
U+02ACF		⊐						<code>\csub</code>	closed subset
U+02AD0		⊑						<code>\csup</code>	closed superset
U+02AD1		⊒						<code>\csube</code>	closed subset or equal to

USV	M	S	E	K	P	L	G	Macro	Description
U+02AD2		⊃						\csupe	closed superset or equal to
U+02AD3		⊆						\subsup	subset above superset
U+02AD4		⊇						\supsub	superset above subset
U+02AD5		⊆						\subsub	subset above subset
U+02AD6		⊇						\supsup	superset above superset
U+02AD7		⊃⊆						\suphsub	superset beside subset
U+02AD8		⊆⊃						\supdsub	superset beside and joined by dash with subset
U+02AD9		⋇						\forkv	element of opening downwards
U+02ADA		⋈						\topfork	pitchfork with tee top
U+02ADB		⋉						\mlcp	transversal intersection
U+02ADC		⋈						\forks	forking
U+02ADD		⋇						\forksnot	nonforking
U+02ADE		┐						\shortlefttack	short left tack
U+02ADF		┑						\shortdowntack	short down tack
U+02AE0		┓						\shortuptack	short up tack
U+02AE2		≡						\vDdash	vertical bar triple right turnstile
U+02AE3		≡						\dashV	double vertical bar left turnstile
U+02AE4		≡						\Dashv	vertical bar double left turnstile
U+02AE5		≡						\DashV	double vertical bar double left turnstile
U+02AE6		≡						\varVdash	long dash from left member of double vertical

USV	M	S	E	K	P	L	G	Macro	Description
U+02AE7		⌋						\Barv	short down tack with overbar
U+02AE8		⌋						\vBar	short up tack with underbar
U+02AE9		⌋						\vBarv	short up tack above short down tack
U+02AEA		⌋		⌋				\barV	double down tack
U+02AEB		⌋		⌋				\Vbar	double up tack
U+02AEC		⌋						\Not	double stroke not sign
U+02AED		⌋						\bNot	reversed double stroke not sign
U+02AEE		⌋						\revnmid	does not divide with reversed negation slash
U+02AEF		⌋						\cirmid	vertical line with circle above
U+02AF0		⌋						\midcir	vertical line with circle below
U+02AF2		⌋						\nhpar	parallel with horizontal stroke
U+02AF3		⌋						\parsim	parallel with tilde operator
U+02AF7		⌋						\lllnest	stacked very much less-than
U+02AF8		⌋						\gggnest	stacked very much greater-than
U+02AF9		⌋	⌋	⌋				\leqqslant	double-line slanted less-than or equal to
U+02AFA		⌋	⌋	⌋				\geqqslant	double-line slanted greater-than or equal to
U+02B30		⌋					⌋	\circleonleftarrow	left arrow with small circle
U+02B31	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\leftthreearrows	three leftwards arrows
U+02B32		⌋						\leftarrowonoplus	left arrow with circled plus
U+02B33	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\longleftsquigarrow	long leftwards squiggle arrow

usv	M	S	E	K	P	L	G	Macro	Description
U+02B34		↔						\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke
U+02B35		↔						\nVtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
U+02B36		↔						\twoheadmapsfrom	leftwards two-headed arrow from bar
U+02B37		↔						\twoheadleftdbkarrow	leftwards two-headed triple-dash arrow
U+02B38		↔						\leftdotarrow	leftwards arrow with dotted stem
U+02B39		↔						\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A		↔						\nVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B		↔						\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C		↔						\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		↔						\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↔						\leftarrowx	leftwards arrow through x
U+02B3F		↔						\leftcurvedarrow	wave arrow pointing directly left
U+02B40		↔						\equalleftarrow	equals sign above leftwards arrow
U+02B41		↔						\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42		↔						\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43		↔						\rightarrowgtr	rightwards arrow through greater-than
U+02B44		↔						\rightarrowsupset	rightwards arrow through subset

USV	M	S	E	K	P	L	G	Macro	Description
U+02B45		⇐⇐⇐					⇐	<code>\Lleftarrow</code>	leftwards quadruple arrow
U+02B46		⇒⇒⇒					⇒	<code>\Rrightarrow</code>	rightwards quadruple arrow
U+02B47		⇐⇒						<code>\bsimilarrightarrow</code>	reverse tilde operator above rightwards arrow
U+02B48		⇒⇐						<code>\rightarrowbackapprox</code>	rightwards arrow above reverse almost equal to
U+02B49		⇐⇐						<code>\similarleftarrow</code>	tilde operator above leftwards arrow
U+02B4A		⇐≈						<code>\leftarrowapprox</code>	leftwards arrow above almost equal to
U+02B4B		⇐⇐						<code>\leftarrowbsimilar</code>	leftwards arrow above reverse tilde operator
U+02B4C		⇒⇐						<code>\rightarrowbsimilar</code>	rightwards arrow above reverse tilde operator



## 15 Alphabetical symbols, \mathalpha

### 15.1 Normal weight

#### 15.1.1 Upright Greek, uppercase

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

USV	M	S	E	K	P	L	G	Macro	Description
U+003A4	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mupTau	capital tau, greek
U+003A5	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mupUpsilon	capital upsilon, greek
U+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mupChi	capital chi, greek
U+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

### 15.1.2 Upright Greek, lowercase

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

usv	M	S	E	K	P	L	G	Macro	Description
U+003BD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek
U+003BE	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
U+003BF	ο	ο	ο	ο	ο	ο	ο	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	π	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς	ς	\mupvarsigma	terminal sigma, greek
U+003C3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
U+003C4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
U+003C5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
U+003C6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
U+003C7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
U+003C8	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\muppsi	small psi, greek
U+003C9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D1	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mupvarthetaeta	/varthetaeta - curly or open theta
U+003D5	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	\mupphi	/straightphi - small phi, greek
U+003D6	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	ϖ	\mupvarpi	rounded small pi (pomega), greek
U+003DC		Ϟ		ϟ		Ϡ		\upDigamma	capital digamma
U+003DD		ϟ	Ϡ			ϡ		\updigamma	old greek small letter digamma
U+003F0	ϣ	ϣ	ϣ	ϣ	ϣ	ϣ	ϣ	\mupvarkappa	rounded small kappa, greek
U+003F1	ϥ	ϥ	ϥ	ϥ	ϥ	ϥ	ϥ	\mupvarrho	rounded small rho, greek

USV	M	S	E	K	P	L	G	Macro	Description
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupvarTheta	greek capital theta symbol
U+003F5	€	€	€	€	€	€	€	\mupepsilon	greek lunate varepsilon symbol

### 15.1.3 Italic, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D434	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	\mitA	mathematical italic capital a
U+1D435	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	\mitB	mathematical italic capital b
U+1D436	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	\mitC	mathematical italic capital c
U+1D437	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	\mitD	mathematical italic capital d
U+1D438	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mitE	mathematical italic capital e
U+1D439	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	\mitF	mathematical italic capital f
U+1D43A	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	\mitG	mathematical italic capital g
U+1D43B	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	\mitH	mathematical italic capital h
U+1D43C	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	\mitI	mathematical italic capital i
U+1D43D	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	\mitJ	mathematical italic capital j
U+1D43E	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	\mitK	mathematical italic capital k
U+1D43F	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	\mitL	mathematical italic capital l
U+1D440	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	\mitM	mathematical italic capital m
U+1D441	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	\mitN	mathematical italic capital n
U+1D442	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	\mitO	mathematical italic capital o
U+1D443	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	\mitP	mathematical italic capital p

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

#### 15.1.4 Italic, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D44E	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mita</code>	mathematical italic small a
U+1D44F	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mitb</code>	mathematical italic small b
U+1D450	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mitc</code>	mathematical italic small c
U+1D451	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mitd</code>	mathematical italic small d
U+1D452	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mite</code>	mathematical italic small e
U+1D453	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mitf</code>	mathematical italic small f
U+1D454	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mitg</code>	mathematical italic small g
U+1D456	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\miti</code>	mathematical italic small i

USV	M	S	E	K	P	L	G	Macro	Description
U+1D457	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mitj</code>	mathematical italic small j
U+1D458	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mitk</code>	mathematical italic small k
U+1D459	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mitl</code>	mathematical italic small l
U+1D45A	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mitm</code>	mathematical italic small m
U+1D45B	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mitn</code>	mathematical italic small n
U+1D45C	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mito</code>	mathematical italic small o
U+1D45D	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mitp</code>	mathematical italic small p
U+1D45E	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mitq</code>	mathematical italic small q
U+1D45F	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mitr</code>	mathematical italic small r
U+1D460	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mits</code>	mathematical italic small s
U+1D461	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mitt</code>	mathematical italic small t
U+1D462	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mitu</code>	mathematical italic small u
U+1D463	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mitv</code>	mathematical italic small v
U+1D464	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mitw</code>	mathematical italic small w
U+1D465	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mitx</code>	mathematical italic small x
U+1D466	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mity</code>	mathematical italic small y
U+1D467	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mitz</code>	mathematical italic small z

### 15.1.5 Italic Greek, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D6E2	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mitAlpha</code>	mathematical italic capital alpha
U+1D6E3	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mitBeta</code>	mathematical italic capital beta
U+1D6E4	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mitGamma</code>	mathematical italic capital gamma
U+1D6E5	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mitDelta</code>	mathematical italic capital delta
U+1D6E6	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mitEpsilon</code>	mathematical italic capital epsilon
U+1D6E7	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mitZeta</code>	mathematical italic capital zeta
U+1D6E8	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mitEta</code>	mathematical italic capital eta
U+1D6E9	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mitTheta</code>	mathematical italic capital theta
U+1D6EA	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mitIota</code>	mathematical italic capital iota
U+1D6EB	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mitKappa</code>	mathematical italic capital kappa
U+1D6EC	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<code>\mitLambda</code>	mathematical italic capital lambda
U+1D6ED	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mitMu</code>	mathematical italic capital mu
U+1D6EE	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mitNu</code>	mathematical italic capital nu
U+1D6EF	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<code>\mitXi</code>	mathematical italic capital xi
U+1D6F0	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<code>\mitOmicron</code>	mathematical italic capital omicron
U+1D6F1	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<code>\mitPi</code>	mathematical italic capital pi
U+1D6F2	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mitRho</code>	mathematical italic capital rho
U+1D6F3	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mitvarTheta</code>	mathematical italic capital theta symbol
U+1D6F4	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<code>\mitSigma</code>	mathematical italic capital sigma







USV	M	S	E	K	P	L	G	Macro	Description
U+1D6F5	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<code>\mitTau</code>	mathematical italic capital tau
U+1D6F6	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<code>\mitUpsilon</code>	mathematical italic capital upsilon
U+1D6F7	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<code>\mitPhi</code>	mathematical italic capital phi
U+1D6F8	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<code>\mitChi</code>	mathematical italic capital chi
U+1D6F9	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<code>\mitPsi</code>	mathematical italic capital psi
U+1D6FA	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<code>\mitOmega</code>	mathematical italic capital omega

### 15.1.6 Italic Greek, lowercase

















































































































USV	M	S	E	K	P	L	G	Macro	Description
U+1D6FC	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<i>α</i>	<code>\mitalpha</code>	mathematical italic small alpha
U+1D6FD	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<i>β</i>	<code>\mitbeta</code>	mathematical italic small beta
U+1D6FE	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<code>\mitgamma</code>	mathematical italic small gamma
U+1D6FF	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<i>δ</i>	<code>\mitdelta</code>	mathematical italic small delta
U+1D700	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<code>\mitvarepsilon</code>	mathematical italic small varep- silon
U+1D701	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<i>ζ</i>	<code>\mitzeta</code>	mathematical italic small zeta
U+1D702	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<i>η</i>	<code>\miteta</code>	mathematical italic small eta
U+1D703	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<code>\mittheta</code>	mathematical italic small theta
U+1D704	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<i>ι</i>	<code>\mitiota</code>	mathematical italic small iota
U+1D705	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<code>\mitkappa</code>	mathematical italic small kappa
U+1D706	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<i>λ</i>	<code>\mitlambda</code>	mathematical italic small lambda



usv	M	S	E	K	P	L	G	Macro	Description
U+1D707	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	<code>\mitmu</code>	mathematical italic small mu
U+1D708	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	<code>\mitnu</code>	mathematical italic small nu
U+1D709	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	<code>\mitxi</code>	mathematical italic small xi
U+1D70A	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	<code>\mitomicron</code>	mathematical italic small omicron
U+1D70B	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	<code>\mitpi</code>	mathematical italic small pi
U+1D70C	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	<code>\mitrho</code>	mathematical italic small rho
U+1D70D	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	<code>\mitvarsigma</code>	mathematical italic small final sigma
U+1D70E	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	<code>\mitsigma</code>	mathematical italic small sigma
U+1D70F	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	<code>\mittau</code>	mathematical italic small tau
U+1D710	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	<code>\mitupsilon</code>	mathematical italic small up-silon
U+1D711	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	<code>\mitvarphi</code>	mathematical italic small phi
U+1D712	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	<code>\mitchi</code>	mathematical italic small chi
U+1D713	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	<code>\mitpsi</code>	mathematical italic small psi
U+1D714	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	<code>\mitomega</code>	mathematical italic small omega
U+1D715	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	<code>\mitpartial</code>	mathematical italic partial differential
U+1D716	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
U+1D717	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	<code>\mitvartheta</code>	mathematical italic theta symbol
U+1D718	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	$\kappa$	<code>\mitvarkappa</code>	mathematical italic kappa symbol
U+1D719	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	$\phi$	<code>\mitphi</code>	mathematical italic phi symbol

USV	M	S	E	K	P	L	G	Macro	Description
U+1D71A								<code>\mitvarrho</code>	mathematical italic rho symbol
U+1D71B								<code>\mitvarpi</code>	mathematical italic pi symbol

### 15.1.7 Script, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D49C								<code>\mscrA</code>	mathematical script capital a
U+1D49E								<code>\mscrC</code>	mathematical script capital c
U+1D49F								<code>\mscrD</code>	mathematical script capital d
U+1D4A2								<code>\mscrG</code>	mathematical script capital g
U+1D4A5								<code>\mscrJ</code>	mathematical script capital j
U+1D4A6								<code>\mscrK</code>	mathematical script capital k
U+1D4A9								<code>\mscrN</code>	mathematical script capital n
U+1D4AA								<code>\mscrO</code>	mathematical script capital o
U+1D4AB								<code>\mscrP</code>	mathematical script capital p
U+1D4AC								<code>\mscrQ</code>	mathematical script capital q
U+1D4AE								<code>\mscrS</code>	mathematical script capital s
U+1D4AF								<code>\mscrT</code>	mathematical script capital t
U+1D4B0								<code>\mscrU</code>	mathematical script capital u
U+1D4B1								<code>\mscrV</code>	mathematical script capital v
U+1D4B2								<code>\mscrW</code>	mathematical script capital w
U+1D4B3								<code>\mscrX</code>	mathematical script capital x

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4B4	<i>Ÿ</i>	<i>ŷ</i>	<i>Ƴ</i>	<i>Ȳ</i>	<i>ȳ</i>	<i>ȴ</i>	<i>ȵ</i>	<code>\mscrY</code>	mathematical script capital y
U+1D4B5	<i>Ƶ</i>	<i>ƶ</i>	<i>Ʒ</i>	<i>Ȥ</i>	<i>ȥ</i>	<i>Ȧ</i>	<i>ȧ</i>	<code>\mscrZ</code>	mathematical script capital z

### 15.1.8 Script, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4B6	<i>Ȧ</i>	<i>ȷ</i>			<i>Ȧ</i>	<i>ȧ</i>	<i>ȧ</i>	<code>\mscra</code>	mathematical script small a
U+1D4B7	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrb</code>	mathematical script small b
U+1D4B8	<i>Ȥ</i>				<i>Ȥ</i>	<i>ȥ</i>	<i>ȥ</i>	<code>\mscrc</code>	mathematical script small c
U+1D4B9	<i>Ȧ</i>				<i>Ȧ</i>	<i>ȧ</i>	<i>ȧ</i>	<code>\mscrd</code>	mathematical script small d
U+1D4BB	<i>Ȧ</i>				<i>Ȧ</i>	<i>ȧ</i>	<i>ȧ</i>	<code>\mscrf</code>	mathematical script small f
U+1D4BD	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrh</code>	mathematical script small h
U+1D4BE	<i>Ȥ</i>				<i>Ȥ</i>	<i>ȥ</i>	<i>ȥ</i>	<code>\mscri</code>	mathematical script small i
U+1D4BF	<i>Ȧ</i>				<i>Ȧ</i>	<i>ȧ</i>	<i>ȧ</i>	<code>\mscrj</code>	mathematical script small j
U+1D4C0	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrk</code>	mathematical script small k
U+1D4C1	<i>ȣ</i>				<i>ȣ</i>	<i>ȥ</i>	<i>ȥ</i>	<code>\mscr l</code>	mathematical script small l
U+1D4C2	<i>Ȧ</i>				<i>Ȧ</i>	<i>ȧ</i>	<i>ȧ</i>	<code>\mscrm</code>	mathematical script small m
U+1D4C3	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrn</code>	mathematical script small n
U+1D4C5	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrp</code>	mathematical script small p
U+1D4C6	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrq</code>	mathematical script small q
U+1D4C7	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrr</code>	mathematical script small r
U+1D4C8	<i>Ȣ</i>				<i>Ȣ</i>	<i>ȣ</i>	<i>ȣ</i>	<code>\mscrs</code>	mathematical script small s

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4C9		<i>t</i>			<i>t</i>	<i>t</i>	<i>t</i>	<code>\mscrt</code>	mathematical script small t
U+1D4CA		<i>u</i>			<i>u</i>	<i>u</i>	<i>u</i>	<code>\mscru</code>	mathematical script small u
U+1D4CB		<i>v</i>			<i>v</i>	<i>v</i>	<i>v</i>	<code>\mscrv</code>	mathematical script small v
U+1D4CC		<i>w</i>			<i>w</i>	<i>w</i>	<i>w</i>	<code>\mscrw</code>	mathematical script small w
U+1D4CD		<i>x</i>			<i>x</i>	<i>x</i>	<i>x</i>	<code>\mscrx</code>	mathematical script small x
U+1D4CE		<i>y</i>			<i>y</i>	<i>y</i>	<i>y</i>	<code>\mscry</code>	mathematical script small y
U+1D4CF		<i>z</i>			<i>z</i>	<i>z</i>	<i>z</i>	<code>\mscrz</code>	mathematical script small z

### 15.1.9 Fraktur, Latin, uppercase

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

USV	M	S	E	K	P	L	G	Macro	Description
U+1D512	𝔎	𝔌	𝔍	𝔐	𝔑	𝔒	𝔓	\mfracO	mathematical fraktur capital o
U+1D513	𝔔	𝔕	𝔖	𝔗	𝔘	𝔙	𝔚	\mfracP	mathematical fraktur capital p
U+1D514	𝔛	𝔜	𝔚	𝔞	𝔟	𝔠	𝔡	\mfracQ	mathematical fraktur capital q
U+1D516	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracS	mathematical fraktur capital s
U+1D517	𝔥	𝔦	𝔧	𝔨	𝔩	𝔪	𝔫	\mfracT	mathematical fraktur capital t
U+1D518	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracU	mathematical fraktur capital u
U+1D519	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracV	mathematical fraktur capital v
U+1D51A	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracW	mathematical fraktur capital w
U+1D51B	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracX	mathematical fraktur capital x
U+1D51C	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracY	mathematical fraktur capital y

### 15.1.10 Fraktur, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D51E	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfraka	mathematical fraktur small a
U+1D51F	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfrakb	mathematical fraktur small b
U+1D520	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracc	mathematical fraktur small c
U+1D521	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfrakd	mathematical fraktur small d
U+1D522	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfrake	mathematical fraktur small e
U+1D523	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracf	mathematical fraktur small f
U+1D524	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfracg	mathematical fraktur small g
U+1D525	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	\mfrach	mathematical fraktur small h

usv	M	S	E	K	P	L	G	Macro	Description
U+1D526	$\mathfrak{i}$	$\mathfrak{j}$	$\mathfrak{k}$	$\mathfrak{l}$	$\mathfrak{m}$	$\mathfrak{n}$	$\mathfrak{o}$	<code>\mfraki</code>	mathematical fraktur small i
U+1D527	$\mathfrak{j}$	$\mathfrak{k}$	$\mathfrak{l}$	$\mathfrak{m}$	$\mathfrak{n}$	$\mathfrak{o}$	$\mathfrak{p}$	<code>\mfrakj</code>	mathematical fraktur small j
U+1D528	$\mathfrak{k}$	$\mathfrak{l}$	$\mathfrak{m}$	$\mathfrak{n}$	$\mathfrak{o}$	$\mathfrak{p}$	$\mathfrak{q}$	<code>\mfrakk</code>	mathematical fraktur small k
U+1D529	$\mathfrak{l}$	$\mathfrak{m}$	$\mathfrak{n}$	$\mathfrak{o}$	$\mathfrak{p}$	$\mathfrak{q}$	$\mathfrak{r}$	<code>\mfrakl</code>	mathematical fraktur small l
U+1D52A	$\mathfrak{m}$	$\mathfrak{n}$	$\mathfrak{o}$	$\mathfrak{p}$	$\mathfrak{q}$	$\mathfrak{r}$	$\mathfrak{s}$	<code>\mfrakm</code>	mathematical fraktur small m
U+1D52B	$\mathfrak{n}$	$\mathfrak{o}$	$\mathfrak{p}$	$\mathfrak{q}$	$\mathfrak{r}$	$\mathfrak{s}$	$\mathfrak{t}$	<code>\mfrakn</code>	mathematical fraktur small n
U+1D52C	$\mathfrak{o}$	$\mathfrak{p}$	$\mathfrak{q}$	$\mathfrak{r}$	$\mathfrak{s}$	$\mathfrak{t}$	$\mathfrak{u}$	<code>\mfrako</code>	mathematical fraktur small o
U+1D52D	$\mathfrak{p}$	$\mathfrak{q}$	$\mathfrak{r}$	$\mathfrak{s}$	$\mathfrak{t}$	$\mathfrak{u}$	$\mathfrak{v}$	<code>\mfrakp</code>	mathematical fraktur small p
U+1D52E	$\mathfrak{q}$	$\mathfrak{r}$	$\mathfrak{s}$	$\mathfrak{t}$	$\mathfrak{u}$	$\mathfrak{v}$	$\mathfrak{w}$	<code>\mfrakq</code>	mathematical fraktur small q
U+1D52F	$\mathfrak{r}$	$\mathfrak{s}$	$\mathfrak{t}$	$\mathfrak{u}$	$\mathfrak{v}$	$\mathfrak{w}$	$\mathfrak{x}$	<code>\mfrakr</code>	mathematical fraktur small r
U+1D530	$\mathfrak{s}$	$\mathfrak{t}$	$\mathfrak{u}$	$\mathfrak{v}$	$\mathfrak{w}$	$\mathfrak{x}$	$\mathfrak{y}$	<code>\mfraks</code>	mathematical fraktur small s
U+1D531	$\mathfrak{t}$	$\mathfrak{u}$	$\mathfrak{v}$	$\mathfrak{w}$	$\mathfrak{x}$	$\mathfrak{y}$	$\mathfrak{z}$	<code>\mfrakt</code>	mathematical fraktur small t
U+1D532	$\mathfrak{u}$	$\mathfrak{v}$	$\mathfrak{w}$	$\mathfrak{x}$	$\mathfrak{y}$	$\mathfrak{z}$		<code>\mfraku</code>	mathematical fraktur small u
U+1D533	$\mathfrak{v}$	$\mathfrak{w}$	$\mathfrak{x}$	$\mathfrak{y}$	$\mathfrak{z}$			<code>\mfrakv</code>	mathematical fraktur small v
U+1D534	$\mathfrak{w}$	$\mathfrak{x}$	$\mathfrak{y}$	$\mathfrak{z}$				<code>\mfrakw</code>	mathematical fraktur small w
U+1D535	$\mathfrak{x}$	$\mathfrak{y}$	$\mathfrak{z}$					<code>\mfrakx</code>	mathematical fraktur small x
U+1D536	$\mathfrak{y}$							<code>\mfraky</code>	mathematical fraktur small y
U+1D537	$\mathfrak{z}$							<code>\mfrakz</code>	mathematical fraktur small z

### 15.1.11 Blackboard, Latin, uppercase

usv	M	S	E	K	P	L	G	Macro	Description
u+1D538	À	Á	Â	Ã	Ä	Å	Ä	\BbbA	mathematical double-struck capital a
u+1D539	Ā	Ā	Ā	Ā	Ā	Ā	Ā	\BbbB	mathematical double-struck capital b
u+1D53B	Ď	Ď	Ď	Ď	Ď	Ď	Ď	\BbbD	mathematical double-struck capital d
u+1D53C	Ē	Ē	Ē	Ē	Ē	Ē	Ē	\BbbE	mathematical double-struck capital e
u+1D53D	Ƒ	Ƒ	Ƒ	Ƒ	Ƒ	Ƒ	Ƒ	\BbbF	mathematical double-struck capital f
u+1D53E	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	Ĝ	\BbbG	mathematical double-struck capital g
u+1D540	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	Ĭ	\BbbI	mathematical double-struck capital i
u+1D541	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	Ĵ	\BbbJ	mathematical double-struck capital j
u+1D542	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	Ķ	\BbbK	mathematical double-struck capital k
u+1D543	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	\BbbL	mathematical double-struck capital l
u+1D544	ƹ	ƹ	ƹ	ƹ	ƹ	ƹ	ƹ	\BbbM	mathematical double-struck capital m
u+1D546	Ō	Ō	Ō	Ō	Ō	Ō	Ō	\BbbO	mathematical double-struck capital o
u+1D54A	Š	Š	Š	Š	Š	Š	Š	\BbbS	mathematical double-struck capital s
u+1D54B	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	\BbbT	mathematical double-struck capital t
u+1D54C	Ū	Ū	Ū	Ū	Ū	Ū	Ū	\BbbU	mathematical double-struck capital u
u+1D54D	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	Ŵ	\BbbV	mathematical double-struck capital v
u+1D54E	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	Ẁ	\BbbW	mathematical double-struck capital w

usv	M	S	E	K	P	L	G	Macro	Description
U+1D54F	X	X	X	X	X	X	X	\BbbX	mathematical double-struck capital x
U+1D550	Y	Y	Y	Y	Y	Y	Y	\BbbY	mathematical double-struck capital y

### 15.1.12 Blackboard, Latin, lowercase

usv	M	S	E	K	P	L	G	Macro	Description
U+1D552	a	a	a		a	a	a	\Bbba	mathematical double-struck small a
U+1D553	b	b	b		b	b	b	\Bbbb	mathematical double-struck small b
U+1D554	c	c	c		c	c	c	\Bbbc	mathematical double-struck small c
U+1D555	d	d	d		d	d	d	\Bbbd	mathematical double-struck small d
U+1D556	e	e	e		e	e	e	\Bbbe	mathematical double-struck small e
U+1D557	f	f	f		f	f	f	\Bbbf	mathematical double-struck small f
U+1D558	g	g	g		g	g	g	\Bbbg	mathematical double-struck small g
U+1D559	h	h	h		h	h	h	\Bbbh	mathematical double-struck small h
U+1D55A	i	i	i		i	i	i	\Bbbi	mathematical double-struck small i
U+1D55B	j	j	j		j	j	j	\Bbbj	mathematical double-struck small j
U+1D55C	k	k	k	k	k	k	k	\Bbbk <sup>(a)</sup>	mathematical double-struck small k
U+1D55D	l	l	l		l	l	l	\Bbb l	mathematical double-struck small l
U+1D55E	m	m	m		m	m	m	\Bbbm	mathematical double-struck small m



usv	M	S	E	K	P	L	G	Macro	Description
U+1D55F								<code>\Bbbn</code>	mathematical double-struck small n
U+1D560								<code>\Bbbo</code>	mathematical double-struck small o
U+1D561								<code>\Bbbp</code>	mathematical double-struck small p
U+1D562								<code>\Bbbq</code>	mathematical double-struck small q
U+1D563								<code>\Bbbr</code>	mathematical double-struck small r
U+1D564								<code>\Bbbs</code>	mathematical double-struck small s
U+1D565								<code>\Bbbt</code>	mathematical double-struck small t
U+1D566								<code>\Bbbu</code>	mathematical double-struck small u
U+1D567								<code>\Bbbv</code>	mathematical double-struck small v
U+1D568								<code>\Bbbw</code>	mathematical double-struck small w
U+1D569								<code>\Bbbx</code>	mathematical double-struck small x
U+1D56A								<code>\Bbby</code>	mathematical double-struck small y
U+1D56B								<code>\Bbbz</code>	mathematical double-struck small z

### 15.1.13 Sans serif, Latin, uppercase

usv	M	S	E	K	P	L	G	Macro	Description
U+1D5A0								<code>\msansA</code>	mathematical sans-serif capital a
U+1D5A1								<code>\msansB</code>	mathematical sans-serif capital b

usv	M	S	E	K	P	L	G	Macro	Description
U+1D5A2	C	C	C	C	C	C	C	\msansC	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D	D	\msansD	mathematical sans-serif capital d
U+1D5A4	E	E	E	E	E	E	E	\msansE	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F	F	\msansF	mathematical sans-serif capital f
U+1D5A6	G	G	G	G	G	G	G	\msansG	mathematical sans-serif capital g
U+1D5A7	H	H	H	H	H	H	H	\msansH	mathematical sans-serif capital h
U+1D5A8	I	I	I	I	I	I	I	\msansI	mathematical sans-serif capital i
U+1D5A9	J	J	J	J	J	J	J	\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K	K	\msansK	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L	L	\msansL	mathematical sans-serif capital l
U+1D5AC	M	M	M	M	M	M	M	\msansM	mathematical sans-serif capital m
U+1D5AD	N	N	N	N	N	N	N	\msansN	mathematical sans-serif capital n
U+1D5AE	O	O	O	O	O	O	O	\msansO	mathematical sans-serif capital o
U+1D5AF	P	P	P	P	P	P	P	\msansP	mathematical sans-serif capital p
U+1D5B0	Q	Q	Q	Q	Q	Q	Q	\msansQ	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R	R	\msansR	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S	S	\msansS	mathematical sans-serif capital s
U+1D5B3	T	T	T	T	T	T	T	\msansT	mathematical sans-serif capital t

USV	M	S	E	K	P	L	G	Macro	Description
U+1D5B4	U	U	U	U	U	U	U	<code>\msansU</code>	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V	V	<code>\msansV</code>	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W	W	<code>\msansW</code>	mathematical sans-serif capital w
U+1D5B7	X	X	X	X	X	X	X	<code>\msansX</code>	mathematical sans-serif capital x
U+1D5B8	Y	Y	Y	Y	Y	Y	Y	<code>\msansY</code>	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z	Z	<code>\msansZ</code>	mathematical sans-serif capital z

#### 15.1.14 Sans serif, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D5BA	a	a	a	a	a	a	a	<code>\msansa</code>	mathematical sans-serif small a
U+1D5BB	b	b	b	b	b	b	b	<code>\msansb</code>	mathematical sans-serif small b
U+1D5BC	c	c	c	c	c	c	c	<code>\msansc</code>	mathematical sans-serif small c
U+1D5BD	d	d	d	d	d	d	d	<code>\msansd</code>	mathematical sans-serif small d
U+1D5BE	e	e	e	e	e	e	e	<code>\msanse</code>	mathematical sans-serif small e
U+1D5BF	f	f	f	f	f	f	f	<code>\msansf</code>	mathematical sans-serif small f
U+1D5C0	g	g	g	g	g	g	g	<code>\msansg</code>	mathematical sans-serif small g
U+1D5C1	h	h	h	h	h	h	h	<code>\msansh</code>	mathematical sans-serif small h
U+1D5C2	i	i	i	i	i	i	i	<code>\msansi</code>	mathematical sans-serif small i
U+1D5C3	j	j	j	j	j	j	j	<code>\msansj</code>	mathematical sans-serif small j
U+1D5C4	k	k	k	k	k	k	k	<code>\msansk</code>	mathematical sans-serif small k

usv	M	S	E	K	P	L	G	Macro	Description
U+1D5C5	l	l	l	l	l	l	l	<code>\msansl</code>	mathematical sans-serif small l
U+1D5C6	m	m	m	m	m	m	m	<code>\msansm</code>	mathematical sans-serif small m
U+1D5C7	n	n	n	n	n	n	n	<code>\msansn</code>	mathematical sans-serif small n
U+1D5C8	o	o	o	o	o	o	o	<code>\msanso</code>	mathematical sans-serif small o
U+1D5C9	p	p	p	p	p	p	p	<code>\msansp</code>	mathematical sans-serif small p
U+1D5CA	q	q	q	q	q	q	q	<code>\msansq</code>	mathematical sans-serif small q
U+1D5CB	r	r	r	r	r	r	r	<code>\msansr</code>	mathematical sans-serif small r
U+1D5CC	s	s	s	s	s	s	s	<code>\msanss</code>	mathematical sans-serif small s
U+1D5CD	t	t	t	t	t	t	t	<code>\msanst</code>	mathematical sans-serif small t
U+1D5CE	u	u	u	u	u	u	u	<code>\msansu</code>	mathematical sans-serif small u
U+1D5CF	v	v	v	v	v	v	v	<code>\msansv</code>	mathematical sans-serif small v
U+1D5D0	w	w	w	w	w	w	w	<code>\msansw</code>	mathematical sans-serif small w
U+1D5D1	x	x	x	x	x	x	x	<code>\msansx</code>	mathematical sans-serif small x
U+1D5D2	y	y	y	y	y	y	y	<code>\msansy</code>	mathematical sans-serif small y
U+1D5D3	z	z	z	z	z	z	z	<code>\msansz</code>	mathematical sans-serif small z

### 15.1.15 Italic sans serif, Latin, uppercase

usv	M	S	E	K	P	L	G	Macro	Description
U+1D608	A	A	A	A	A	A	A	<code>\mitsansA</code>	mathematical sans-serif italic capital a
U+1D609	B	B	B	B	B	B	B	<code>\mitsansB</code>	mathematical sans-serif italic capital b

USV	M	S	E	K	P	L	G	Macro	Description
U+1D60A	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mitsansC</code>	mathematical sans-serif italic capital c
U+1D60B	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mitsansD</code>	mathematical sans-serif italic capital d
U+1D60C	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mitsansE</code>	mathematical sans-serif italic capital e
U+1D60D	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<code>\mitsansF</code>	mathematical sans-serif italic capital f
U+1D60E	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mitsansG</code>	mathematical sans-serif italic capital g
U+1D60F	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mitsansH</code>	mathematical sans-serif italic capital h
U+1D610	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mitsansI</code>	mathematical sans-serif italic capital i
U+1D611	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mitsansJ</code>	mathematical sans-serif italic capital j
U+1D612	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mitsansK</code>	mathematical sans-serif italic capital k
U+1D613	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<code>\mitsansL</code>	mathematical sans-serif italic capital l
U+1D614	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mitsansM</code>	mathematical sans-serif italic capital m
U+1D615	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mitsansN</code>	mathematical sans-serif italic capital n
U+1D616	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mitsansO</code>	mathematical sans-serif italic capital o
U+1D617	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mitsansP</code>	mathematical sans-serif italic capital p
U+1D618	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mitsansQ</code>	mathematical sans-serif italic capital q
U+1D619	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<code>\mitsansR</code>	mathematical sans-serif italic capital r
U+1D61A	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mitsansS</code>	mathematical sans-serif italic capital s

USV	M	S	E	K	P	L	G	Macro	Description
U+1D61B	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mitsansT</code>	mathematical sans-serif italic capital t
U+1D61C	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mitsansU</code>	mathematical sans-serif italic capital u
U+1D61D	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mitsansV</code>	mathematical sans-serif italic capital v
U+1D61E	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mitsansW</code>	mathematical sans-serif italic capital w
U+1D61F	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mitsansX</code>	mathematical sans-serif italic capital x
U+1D620	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mitsansY</code>	mathematical sans-serif italic capital y
U+1D621	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mitsansZ</code>	mathematical sans-serif italic capital z

### 15.1.16 Italic sans serif, Latin, lowercase

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

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

usv	M	S	E	K	P	L	G	Macro	Description
U+1D63B	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mitsansz</code>	mathematical sans-serif italic small z

### 15.1.17 Typewriter, Latin, uppercase

usv	M	S	E	K	P	L	G	Macro	Description
U+1D670	A	A	A	A	A	A	A	<code>\mttA</code>	mathematical monospace capital a
U+1D671	B	B	B	B	B	B	B	<code>\mttB</code>	mathematical monospace capital b
U+1D672	C	C	C	C	C	C	C	<code>\mttC</code>	mathematical monospace capital c
U+1D673	D	D	D	D	D	D	D	<code>\mttD</code>	mathematical monospace capital d
U+1D674	E	E	E	E	E	E	E	<code>\mttE</code>	mathematical monospace capital e
U+1D675	F	F	F	F	F	F	F	<code>\mttF</code>	mathematical monospace capital f
U+1D676	G	G	G	G	G	G	G	<code>\mttG</code>	mathematical monospace capital g
U+1D677	H	H	H	H	H	H	H	<code>\mttH</code>	mathematical monospace capital h
U+1D678	I	I	I	I	I	I	I	<code>\mttI</code>	mathematical monospace capital i
U+1D679	J	J	J	J	J	J	J	<code>\mttJ</code>	mathematical monospace capital j
U+1D67A	K	K	K	K	K	K	K	<code>\mttK</code>	mathematical monospace capital k
U+1D67B	L	L	L	L	L	L	L	<code>\mttL</code>	mathematical monospace capital l
U+1D67C	M	M	M	M	M	M	M	<code>\mttM</code>	mathematical monospace capital m



USV	M	S	E	K	P	L	G	Macro	Description
U+1D67D	N	N	N	N	N	N	N	\mttN	mathematical monospace capital n
U+1D67E	O	O	O	O	O	O	O	\mttO	mathematical monospace capital o
U+1D67F	P	P	P	P	P	P	P	\mttP	mathematical monospace capital p
U+1D680	Q	Q	Q	Q	Q	Q	Q	\mttQ	mathematical monospace capital q
U+1D681	R	R	R	R	R	R	R	\mttR	mathematical monospace capital r
U+1D682	S	S	S	S	S	S	S	\mttS	mathematical monospace capital s
U+1D683	T	T	T	T	T	T	T	\mttT	mathematical monospace capital t
U+1D684	U	U	U	U	U	U	U	\mttU	mathematical monospace capital u
U+1D685	V	V	V	V	V	V	V	\mttV	mathematical monospace capital v
U+1D686	W	W	W	W	W	W	W	\mttW	mathematical monospace capital w
U+1D687	X	X	X	X	X	X	X	\mttX	mathematical monospace capital x
U+1D688	Y	Y	Y	Y	Y	Y	Y	\mttY	mathematical monospace capital y
U+1D689	Z	Z	Z	Z	Z	Z	Z	\mttZ	mathematical monospace capital z

### 15.1.18 Typewriter, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D68A	a	a	a	a	a	a	a	\mtta	mathematical monospace small a

usv	M	S	E	K	P	L	G	Macro	Description
U+1D68B	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<code>\mttb</code>	mathematical monospace small b
U+1D68C	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<code>\mttc</code>	mathematical monospace small c
U+1D68D	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<code>\mttd</code>	mathematical monospace small d
U+1D68E	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<code>\mtte</code>	mathematical monospace small e
U+1D68F	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<code>\mttf</code>	mathematical monospace small f
U+1D690	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<code>\mttg</code>	mathematical monospace small g
U+1D691	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<code>\mtth</code>	mathematical monospace small h
U+1D692	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<b>i</b>	<code>\mtti</code>	mathematical monospace small i
U+1D693	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<b>j</b>	<code>\mttj</code>	mathematical monospace small j
U+1D694	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<b>k</b>	<code>\mttk</code>	mathematical monospace small k
U+1D695	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<b>l</b>	<code>\mttl</code>	mathematical monospace small l
U+1D696	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<code>\mttm</code>	mathematical monospace small m
U+1D697	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<b>n</b>	<code>\mttn</code>	mathematical monospace small n
U+1D698	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<b>o</b>	<code>\mtto</code>	mathematical monospace small o
U+1D699	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<b>p</b>	<code>\mttp</code>	mathematical monospace small p
U+1D69A	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<b>q</b>	<code>\mttq</code>	mathematical monospace small q
U+1D69B	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<code>\mttr</code>	mathematical monospace small r

USV	M	S	E	K	P	L	G	Macro	Description
U+1D69C	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<code>\mtts</code>	mathematical monospace small s
U+1D69D	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<code>\mttt</code>	mathematical monospace small t
U+1D69E	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<code>\mttu</code>	mathematical monospace small u
U+1D69F	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<code>\mttv</code>	mathematical monospace small v
U+1D6A0	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<code>\mttw</code>	mathematical monospace small w
U+1D6A1	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<code>\mttx</code>	mathematical monospace small x
U+1D6A2	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<code>\mtty</code>	mathematical monospace small y
U+1D6A3	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<b>z</b>	<code>\mttz</code>	mathematical monospace small z

## 15.2 Bold

### 15.2.1 Bold, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D400	<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 capital a
U+1D401	<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 capital b
U+1D402	<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 capital c
U+1D403	<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 capital d
U+1D404	<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 capital e
U+1D405	<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 capital f
U+1D406	<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 capital g
U+1D407	<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

USV	M	S	E	K	P	L	G	Macro	Description
U+1D408	<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
U+1D409	<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
U+1D40A	<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
U+1D40B	<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
U+1D40C	<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
U+1D40D	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<code>\mbfN</code>	mathematical bold capital n
U+1D40E	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<code>\mbfO</code>	mathematical bold capital o
U+1D40F	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<code>\mbfP</code>	mathematical bold capital p
U+1D410	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<code>\mbfQ</code>	mathematical bold capital q
U+1D411	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>R</b>	<code>\mbfR</code>	mathematical bold capital r
U+1D412	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<code>\mbfS</code>	mathematical bold capital s
U+1D413	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<code>\mbfT</code>	mathematical bold capital t
U+1D414	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<code>\mbfU</code>	mathematical bold capital u
U+1D415	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<code>\mbfV</code>	mathematical bold capital v
U+1D416	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<code>\mbfW</code>	mathematical bold capital w
U+1D417	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<code>\mbfX</code>	mathematical bold capital x
U+1D418	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<code>\mbfY</code>	mathematical bold capital y
U+1D419	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<code>\mbfZ</code>	mathematical bold capital z

### 15.2.2 Bold, Latin, lowercase

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

USV	M	S	E	K	P	L	G	Macro	Description
U+1D42F	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<code>\mbfv</code>	mathematical bold small v
U+1D430	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<code>\mbfw</code>	mathematical bold small w
U+1D431	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<code>\mbfx</code>	mathematical bold small x
U+1D432	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<b>Y</b>	<code>\mbfy</code>	mathematical bold small y
U+1D433	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<code>\mbfz</code>	mathematical bold small z

### 15.2.3 Bold Greek, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D6A8	<b>Α</b>	<b>Α</b>	<b>Α</b>	<b>Α</b>	<b>Α</b>	<b>Α</b>	<b>Α</b>	<code>\mbfAlpha</code>	mathematical bold capital alpha
U+1D6A9	<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
U+1D6AA	<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
U+1D6AB	<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
U+1D6AC	<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
U+1D6AD	<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
U+1D6AE	<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
U+1D6AF	<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
U+1D6B0	<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
U+1D6B1	<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
U+1D6B2	<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
U+1D6B3	<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

USV	M	S	E	K	P	L	G	Macro	Description
U+1D6B4	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfvarTheta	mathematical bold capital theta symbol
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
U+1D6BB	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mbfChi	mathematical bold capital chi
U+1D6BF	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
U+1D6C0	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

#### 15.2.4 Bold Greek, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	\mbfalpha	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	γ	γ	γ	γ	γ	\mbfgamma	mathematical bold small gamma
U+1D6C5	δ	δ	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta

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



USV	M	S	E	K	P	L	G	Macro	Description
U+1D6DA	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfomega	mathematical bold small omega
U+1D6DB	∂	∂	∂	∂	∂	∂	∂	\mbfpartial	mathematical bold partial differential
U+1D6DC	ε	ε	ε	ε	ε	ε	ε	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	κ	κ	κ	κ	κ	κ	κ	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	φ	φ	φ	φ	φ	φ	φ	\mbfphi	mathematical bold phi symbol
U+1D6E0	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	ω	ω	ω	ω	ω	ω	ω	\mbfvarpi	mathematical bold pi symbol

### 15.2.5 Bold italic, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D468	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	\mbfitA	mathematical bold italic capital a
U+1D469	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	\mbfitB	mathematical bold italic capital b
U+1D46A	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	\mbfitC	mathematical bold italic capital c
U+1D46B	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	\mbfitD	mathematical bold italic capital d
U+1D46C	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mbfitE	mathematical bold italic capital e
U+1D46D	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	\mbfitF	mathematical bold italic capital f
U+1D46E	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	\mbfitG	mathematical bold italic capital g

USV	M	S	E	K	P	L	G	Macro	Description
U+1D46F	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mbfitH</code>	mathematical bold italic capital h
U+1D470	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mbfitI</code>	mathematical bold italic capital i
U+1D471	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mbfitJ</code>	mathematical bold italic capital j
U+1D472	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mbfitK</code>	mathematical bold italic capital k
U+1D473	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<code>\mbfitL</code>	mathematical bold italic capital l
U+1D474	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mbfitM</code>	mathematical bold italic capital m
U+1D475	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mbfitN</code>	mathematical bold italic capital n
U+1D476	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mbfitO</code>	mathematical bold italic capital o
U+1D477	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mbfitP</code>	mathematical bold italic capital p
U+1D478	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mbfitQ</code>	mathematical bold italic capital q
U+1D479	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<code>\mbfitR</code>	mathematical bold italic capital r
U+1D47A	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mbfitS</code>	mathematical bold italic capital s
U+1D47B	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mbfitT</code>	mathematical bold italic capital t
U+1D47C	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mbfitU</code>	mathematical bold italic capital u
U+1D47D	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mbfitV</code>	mathematical bold italic capital v
U+1D47E	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mbfitW</code>	mathematical bold italic capital w
U+1D47F	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mbfitX</code>	mathematical bold italic capital x

USV	M	S	E	K	P	L	G	Macro	Description
U+1D480	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mbfitY</code>	mathematical bold italic capital y
U+1D481	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfitZ</code>	mathematical bold italic capital z

### 15.2.6 Bold italic, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D482	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mbfita</code>	mathematical bold italic small a
U+1D483	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mbfitb</code>	mathematical bold italic small b
U+1D484	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mbfitc</code>	mathematical bold italic small c
U+1D485	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mbfitd</code>	mathematical bold italic small d
U+1D486	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mbfite</code>	mathematical bold italic small e
U+1D487	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mbfitf</code>	mathematical bold italic small f
U+1D488	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mbfitg</code>	mathematical bold italic small g
U+1D489	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mbfith</code>	mathematical bold italic small h
U+1D48A	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mbfiti</code>	mathematical bold italic small i
U+1D48B	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mbfitj</code>	mathematical bold italic small j
U+1D48C	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfitk</code>	mathematical bold italic small k
U+1D48D	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfitl</code>	mathematical bold italic small l
U+1D48E	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mbfitm</code>	mathematical bold italic small m
U+1D48F	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mbfitn</code>	mathematical bold italic small n
U+1D490	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mbfito</code>	mathematical bold italic small o

USV	M	S	E	K	P	L	G	Macro	Description
U+1D491	<i><b>p</b></i>	<i><b>p</b></i>	<i><b>p</b></i>	<i><b>p</b></i>	<i><b>p</b></i>	<i><b>p</b></i>	<i><b>p</b></i>	<code>\mbfitp</code>	mathematical bold italic small p
U+1D492	<i><b>q</b></i>	<i><b>q</b></i>	<i><b>q</b></i>	<i><b>q</b></i>	<i><b>q</b></i>	<i><b>q</b></i>	<i><b>q</b></i>	<code>\mbfitq</code>	mathematical bold italic small q
U+1D493	<i><b>r</b></i>	<i><b>r</b></i>	<i><b>r</b></i>	<i><b>r</b></i>	<i><b>r</b></i>	<i><b>r</b></i>	<i><b>r</b></i>	<code>\mbfitr</code>	mathematical bold italic small r
U+1D494	<i><b>s</b></i>	<i><b>s</b></i>	<i><b>s</b></i>	<i><b>s</b></i>	<i><b>s</b></i>	<i><b>s</b></i>	<i><b>s</b></i>	<code>\mbfits</code>	mathematical bold italic small s
U+1D495	<i><b>t</b></i>	<i><b>t</b></i>	<i><b>t</b></i>	<i><b>t</b></i>	<i><b>t</b></i>	<i><b>t</b></i>	<i><b>t</b></i>	<code>\mbfitt</code>	mathematical bold italic small t
U+1D496	<i><b>u</b></i>	<i><b>u</b></i>	<i><b>u</b></i>	<i><b>u</b></i>	<i><b>u</b></i>	<i><b>u</b></i>	<i><b>u</b></i>	<code>\mbfitu</code>	mathematical bold italic small u
U+1D497	<i><b>v</b></i>	<i><b>v</b></i>	<i><b>v</b></i>	<i><b>v</b></i>	<i><b>v</b></i>	<i><b>v</b></i>	<i><b>v</b></i>	<code>\mbfitv</code>	mathematical bold italic small v
U+1D498	<i><b>w</b></i>	<i><b>w</b></i>	<i><b>w</b></i>	<i><b>w</b></i>	<i><b>w</b></i>	<i><b>w</b></i>	<i><b>w</b></i>	<code>\mbfitw</code>	mathematical bold italic small w
U+1D499	<i><b>x</b></i>	<i><b>x</b></i>	<i><b>x</b></i>	<i><b>x</b></i>	<i><b>x</b></i>	<i><b>x</b></i>	<i><b>x</b></i>	<code>\mbfitx</code>	mathematical bold italic small x
U+1D49A	<i><b>y</b></i>	<i><b>y</b></i>	<i><b>y</b></i>	<i><b>y</b></i>	<i><b>y</b></i>	<i><b>y</b></i>	<i><b>y</b></i>	<code>\mbfity</code>	mathematical bold italic small y
U+1D49B	<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>	<code>\mbfitz</code>	mathematical bold italic small z

### 15.2.7 Bold italic Greek, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D71C	<i><b>Α</b></i>	<i><b>Α</b></i>	<i><b>Α</b></i>	<i><b>Α</b></i>	<i><b>Α</b></i>	<i><b>Α</b></i>	<i><b>Α</b></i>	<code>\mbfitAlpha</code>	mathematical bold italic capital alpha
U+1D71D	<i><b>Β</b></i>	<i><b>Β</b></i>	<i><b>Β</b></i>	<i><b>Β</b></i>	<i><b>Β</b></i>	<i><b>Β</b></i>	<i><b>Β</b></i>	<code>\mbfitBeta</code>	mathematical bold italic capital beta
U+1D71E	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<i><b>Γ</b></i>	<code>\mbfitGamma</code>	mathematical bold italic capital gamma
U+1D71F	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<i><b>Δ</b></i>	<code>\mbfitDelta</code>	mathematical bold italic capital delta
U+1D720	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<i><b>Ε</b></i>	<code>\mbfitEpsilon</code>	mathematical bold italic capital epsilon

USV	M	S	E	K	P	L	G	Macro	Description
U+1D721	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfitZeta</code>	mathematical bold italic capital zeta
U+1D722	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mbfitEta</code>	mathematical bold italic capital eta
U+1D723	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mbfitTheta</code>	mathematical bold italic capital theta
U+1D724	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mbfitIota</code>	mathematical bold italic capital iota
U+1D725	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mbfitKappa</code>	mathematical bold italic capital kappa
U+1D726	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<code>\mbfitLambda</code>	mathematical bold italic capital lambda
U+1D727	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mbfitMu</code>	mathematical bold italic capital mu
U+1D728	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mbfitNu</code>	mathematical bold italic capital nu
U+1D729	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<code>\mbfitXi</code>	mathematical bold italic capital xi
U+1D72A	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<code>\mbfitOmicron</code>	mathematical bold italic capital omicron
U+1D72B	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<code>\mbfitPi</code>	mathematical bold italic capital pi
U+1D72C	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<code>\mbfitRho</code>	mathematical bold italic capital rho
U+1D72D	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<code>\mbfitvarTheta</code>	mathematical bold italic capital theta symbol
U+1D72E	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<code>\mbfitSigma</code>	mathematical bold italic capital sigma
U+1D72F	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mbfitTau</code>	mathematical bold italic capital tau
U+1D730	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<code>\mbfitUpsilon</code>	mathematical bold italic capital upsilon

USV	M	S	E	K	P	L	G	Macro	Description
U+1D731	<b><i>Φ</i></b>	<b><i>ϕ</i></b>	<b><i>ϕ</i></b>	<b><i>ϕ</i></b>	<b><i>ϕ</i></b>	<b><i>ϕ</i></b>	<b><i>ϕ</i></b>	<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	<b><i>Χ</i></b>	<b><i>χ</i></b>	<b><i>χ</i></b>	<b><i>χ</i></b>	<b><i>χ</i></b>	<b><i>χ</i></b>	<b><i>χ</i></b>	<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	<b><i>Ψ</i></b>	<b><i>ψ</i></b>	<b><i>ψ</i></b>	<b><i>ψ</i></b>	<b><i>ψ</i></b>	<b><i>ψ</i></b>	<b><i>ψ</i></b>	<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	<b><i>Ω</i></b>	<b><i>ω</i></b>	<b><i>ω</i></b>	<b><i>ω</i></b>	<b><i>ω</i></b>	<b><i>ω</i></b>	<b><i>ω</i></b>	<code>\mbfitOmega</code>	mathematical bold italic capital omega

### 15.2.8 Bold italic Greek, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D736	<b><i>α</i></b>	<b><i>α</i></b>	<b><i>α</i></b>	<b><i>α</i></b>	<b><i>α</i></b>	<b><i>α</i></b>	<b><i>α</i></b>	<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	<b><i>β</i></b>	<b><i>β</i></b>	<b><i>β</i></b>	<b><i>β</i></b>	<b><i>β</i></b>	<b><i>β</i></b>	<b><i>β</i></b>	<code>\mbfitbeta</code>	mathematical bold italic small beta
U+1D738	<b><i>γ</i></b>	<b><i>γ</i></b>	<b><i>γ</i></b>	<b><i>γ</i></b>	<b><i>γ</i></b>	<b><i>γ</i></b>	<b><i>γ</i></b>	<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	<b><i>δ</i></b>	<b><i>δ</i></b>	<b><i>δ</i></b>	<b><i>δ</i></b>	<b><i>δ</i></b>	<b><i>δ</i></b>	<b><i>δ</i></b>	<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	<b><i>ε</i></b>	<b><i>ε</i></b>	<b><i>ε</i></b>	<b><i>ε</i></b>	<b><i>ε</i></b>	<b><i>ε</i></b>	<b><i>ε</i></b>	<code>\mbfitvarepsilon</code>	mathematical bold italic small varepsilon
U+1D73B	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<b><i>ζ</i></b>	<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	<b><i>η</i></b>	<b><i>η</i></b>	<b><i>η</i></b>	<b><i>η</i></b>	<b><i>η</i></b>	<b><i>η</i></b>	<b><i>η</i></b>	<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	<b><i>θ</i></b>	<b><i>θ</i></b>	<b><i>θ</i></b>	<b><i>θ</i></b>	<b><i>θ</i></b>	<b><i>θ</i></b>	<b><i>θ</i></b>	<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	<b><i>ι</i></b>	<b><i>ι</i></b>	<b><i>ι</i></b>	<b><i>ι</i></b>	<b><i>ι</i></b>	<b><i>ι</i></b>	<b><i>ι</i></b>	<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	<b><i>κ</i></b>	<b><i>κ</i></b>	<b><i>κ</i></b>	<b><i>κ</i></b>	<b><i>κ</i></b>	<b><i>κ</i></b>	<b><i>κ</i></b>	<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	<b><i>λ</i></b>	<b><i>λ</i></b>	<b><i>λ</i></b>	<b><i>λ</i></b>	<b><i>λ</i></b>	<b><i>λ</i></b>	<b><i>λ</i></b>	<code>\mbfitlambda</code>	mathematical bold italic small lambda

USV	M	S	E	K	P	L	G	Macro	Description
U+1D741	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	$\mu$	<code>\mbfitmu</code>	mathematical bold italic small mu
U+1D742	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	$\nu$	<code>\mbfitnu</code>	mathematical bold italic small nu
U+1D743	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	$\xi$	<code>\mbfitxi</code>	mathematical bold italic small xi
U+1D744	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	$\omicron$	<code>\mbfitomicron</code>	mathematical bold italic small omicron
U+1D745	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	$\pi$	<code>\mbfitpi</code>	mathematical bold italic small pi
U+1D746	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	$\rho$	<code>\mbfitrho</code>	mathematical bold italic small rho
U+1D747	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	$\varsigma$	<code>\mbfitvarsigma</code>	mathematical bold italic small final sigma
U+1D748	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	$\sigma$	<code>\mbfitsigma</code>	mathematical bold italic small sigma
U+1D749	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	$\tau$	<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	$\upsilon$	<code>\mbfitupsilon</code>	mathematical bold italic small upsilon
U+1D74B	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	$\varphi$	<code>\mbfitvarphi</code>	mathematical bold italic small phi
U+1D74C	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	$\chi$	<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	$\psi$	<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	$\omega$	<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	$\partial$	<code>\mbfitpartial</code>	mathematical bold italic partial differential
U+1D750	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	$\epsilon$	<code>\mbfitepsilon</code>	mathematical bold italic varepsilon symbol
U+1D751	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	$\vartheta$	<code>\mbfitvartheta</code>	mathematical bold italic theta symbol

USV	M	S	E	K	P	L	G	Macro	Description
U+1D752	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<i><b>κ</b></i>	<code>\mbfitvarkappa</code>	mathematical bold italic kappa symbol
U+1D753	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<i><b>φ</b></i>	<code>\mbfitphi</code>	mathematical bold italic phi symbol
U+1D754	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<i><b>ρ</b></i>	<code>\mbfitvarrho</code>	mathematical bold italic rho symbol
U+1D755	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<i><b>π</b></i>	<code>\mbfitvarpi</code>	mathematical bold italic pi symbol

### 15.2.9 Bold script, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4D0	<i><b>A</b></i>	<i><b>A</b></i>	<i><b>A</b></i>	<i><b>A</b></i>	<i><b>A</b></i>	<i><b>A</b></i>	<i><b>A</b></i>	<code>\mbfscrA</code>	mathematical bold script capital a
U+1D4D1	<i><b>B</b></i>	<i><b>B</b></i>	<i><b>B</b></i>	<i><b>B</b></i>	<i><b>B</b></i>	<i><b>B</b></i>	<i><b>B</b></i>	<code>\mbfscrB</code>	mathematical bold script capital b
U+1D4D2	<i><b>C</b></i>	<i><b>C</b></i>	<i><b>C</b></i>	<i><b>C</b></i>	<i><b>C</b></i>	<i><b>C</b></i>	<i><b>C</b></i>	<code>\mbfscrC</code>	mathematical bold script capital c
U+1D4D3	<i><b>D</b></i>	<i><b>D</b></i>	<i><b>D</b></i>	<i><b>D</b></i>	<i><b>D</b></i>	<i><b>D</b></i>	<i><b>D</b></i>	<code>\mbfscrD</code>	mathematical bold script capital d
U+1D4D4	<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>	<code>\mbfscrE</code>	mathematical bold script capital e
U+1D4D5	<i><b>F</b></i>	<i><b>F</b></i>	<i><b>F</b></i>	<i><b>F</b></i>	<i><b>F</b></i>	<i><b>F</b></i>	<i><b>F</b></i>	<code>\mbfscrF</code>	mathematical bold script capital f
U+1D4D6	<i><b>G</b></i>	<i><b>G</b></i>	<i><b>G</b></i>	<i><b>G</b></i>	<i><b>G</b></i>	<i><b>G</b></i>	<i><b>G</b></i>	<code>\mbfscrG</code>	mathematical bold script capital g
U+1D4D7	<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>	<code>\mbfscrH</code>	mathematical bold script capital h
U+1D4D8	<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>	<code>\mbfscrI</code>	mathematical bold script capital i
U+1D4D9	<i><b>J</b></i>	<i><b>J</b></i>	<i><b>J</b></i>	<i><b>J</b></i>	<i><b>J</b></i>	<i><b>J</b></i>	<i><b>J</b></i>	<code>\mbfscrJ</code>	mathematical bold script capital j



USV	M	S	E	K	P	L	G	Macro	Description
U+1D4DA	<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>	<code>\mbfscrK</code>	mathematical bold script capital k
U+1D4DB	<i><b>L</b></i>	<i><b>L</b></i>	<i><b>L</b></i>	<i><b>L</b></i>	<i><b>L</b></i>	<i><b>L</b></i>	<i><b>L</b></i>	<code>\mbfscrL</code>	mathematical bold script capital l
U+1D4DC	<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>	<code>\mbfscrM</code>	mathematical bold script capital m
U+1D4DD	<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>	<code>\mbfscrN</code>	mathematical bold script capital n
U+1D4DE	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<i><b>O</b></i>	<code>\mbfscrO</code>	mathematical bold script capital o
U+1D4DF	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<i><b>P</b></i>	<code>\mbfscrP</code>	mathematical bold script capital p
U+1D4E0	<i><b>Q</b></i>	<i><b>Q</b></i>	<i><b>Q</b></i>	<i><b>Q</b></i>	<i><b>Q</b></i>	<i><b>Q</b></i>	<i><b>Q</b></i>	<code>\mbfscrQ</code>	mathematical bold script capital q
U+1D4E1	<i><b>R</b></i>	<i><b>R</b></i>	<i><b>R</b></i>	<i><b>R</b></i>	<i><b>R</b></i>	<i><b>R</b></i>	<i><b>R</b></i>	<code>\mbfscrR</code>	mathematical bold script capital r
U+1D4E2	<i><b>S</b></i>	<i><b>S</b></i>	<i><b>S</b></i>	<i><b>S</b></i>	<i><b>S</b></i>	<i><b>S</b></i>	<i><b>S</b></i>	<code>\mbfscrS</code>	mathematical bold script capital s
U+1D4E3	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<i><b>T</b></i>	<code>\mbfscrT</code>	mathematical bold script capital t
U+1D4E4	<i><b>U</b></i>	<i><b>U</b></i>	<i><b>U</b></i>	<i><b>U</b></i>	<i><b>U</b></i>	<i><b>U</b></i>	<i><b>U</b></i>	<code>\mbfscrU</code>	mathematical bold script capital u
U+1D4E5	<i><b>V</b></i>	<i><b>V</b></i>	<i><b>V</b></i>	<i><b>V</b></i>	<i><b>V</b></i>	<i><b>V</b></i>	<i><b>V</b></i>	<code>\mbfscrV</code>	mathematical bold script capital v
U+1D4E6	<i><b>W</b></i>	<i><b>W</b></i>	<i><b>W</b></i>	<i><b>W</b></i>	<i><b>W</b></i>	<i><b>W</b></i>	<i><b>W</b></i>	<code>\mbfscrW</code>	mathematical bold script capital w
U+1D4E7	<i><b>X</b></i>	<i><b>X</b></i>	<i><b>X</b></i>	<i><b>X</b></i>	<i><b>X</b></i>	<i><b>X</b></i>	<i><b>X</b></i>	<code>\mbfscrX</code>	mathematical bold script capital x
U+1D4E8	<i><b>Y</b></i>	<i><b>Y</b></i>	<i><b>Y</b></i>	<i><b>Y</b></i>	<i><b>Y</b></i>	<i><b>Y</b></i>	<i><b>Y</b></i>	<code>\mbfscrY</code>	mathematical bold script capital y
U+1D4E9	<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>	<code>\mbfscrZ</code>	mathematical bold script capital z

### 15.2.10 Bold script, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4EA		<i><b>a</b></i>			<i><b>a</b></i>	<i><b>æ</b></i>	<i><b>ɑ</b></i>	\mbfscra	mathematical bold script small a
U+1D4EB		<i><b>b</b></i>			<i><b>b</b></i>	<i><b>ß</b></i>	<i><b>ɓ</b></i>	\mbfscrb	mathematical bold script small b
U+1D4EC		<i><b>c</b></i>			<i><b>c</b></i>	<i><b>ç</b></i>	<i><b>ɔ</b></i>	\mbfscrc	mathematical bold script small c
U+1D4ED		<i><b>d</b></i>			<i><b>d</b></i>	<i><b>ḏ</b></i>	<i><b>ɖ</b></i>	\mbfscrd	mathematical bold script small d
U+1D4EE		<i><b>e</b></i>			<i><b>e</b></i>	<i><b>é</b></i>	<i><b>ɛ</b></i>	\mbfscree	mathematical bold script small e
U+1D4EF		<i><b>f</b></i>			<i><b>f</b></i>	<i><b>ƒ</b></i>	<i><b>ɸ</b></i>	\mbfscrf	mathematical bold script small f
U+1D4F0		<i><b>g</b></i>			<i><b>g</b></i>	<i><b>ɡ</b></i>	<i><b>ɹ</b></i>	\mbfscrg	mathematical bold script small g
U+1D4F1		<i><b>h</b></i>			<i><b>h</b></i>	<i><b>ℎ</b></i>	<i><b>ɦ</b></i>	\mbfscrh	mathematical bold script small h
U+1D4F2		<i><b>i</b></i>			<i><b>i</b></i>	<i><b>ï</b></i>	<i><b>ɨ</b></i>	\mbfscri	mathematical bold script small i
U+1D4F3		<i><b>j</b></i>			<i><b>j</b></i>	<i><b>ȝ</b></i>	<i><b>ɟ</b></i>	\mbfscrj	mathematical bold script small j
U+1D4F4		<i><b>k</b></i>			<i><b>k</b></i>	<i><b>ƙ</b></i>	<i><b>ƙ</b></i>	\mbfscrk	mathematical bold script small k
U+1D4F5		<i><b>l</b></i>			<i><b>l</b></i>	<i><b>ℓ</b></i>	<i><b>ɭ</b></i>	\mbfscr l	mathematical bold script small l
U+1D4F6		<i><b>m</b></i>			<i><b>m</b></i>	<i><b>𝓂</b></i>	<i><b>ɱ</b></i>	\mbfscrm	mathematical bold script small m
U+1D4F7		<i><b>n</b></i>			<i><b>n</b></i>	<i><b>𝓃</b></i>	<i><b>ɳ</b></i>	\mbfscrn	mathematical bold script small n
U+1D4F8		<i><b>o</b></i>			<i><b>o</b></i>	<i><b>œ</b></i>	<i><b>ɔ</b></i>	\mbfscro	mathematical bold script small o
U+1D4F9		<i><b>p</b></i>			<i><b>p</b></i>	<i><b>𝓅</b></i>	<i><b>ɸ</b></i>	\mbfscrp	mathematical bold script small p
U+1D4FA		<i><b>q</b></i>			<i><b>q</b></i>	<i><b>𝓆</b></i>	<i><b>ɹ</b></i>	\mbfscrq	mathematical bold script small q

USV	M	S	E	K	P	L	G	Macro	Description
U+1D4FB		<i><b>ŕ</b></i>			<i><b>ŗ</b></i>	<i><b>ṛ́</b></i>	<i><b>ŗ̥</b></i>	<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<i><b>ŝ</b></i>			<i><b>ŗ̣</b></i>	<i><b>ṣ̂</b></i>	<i><b>ŝ̥</b></i>	<code>\mbfscrs</code>	mathematical bold script small s
U+1D4FD		<i><b>ŧ</b></i>			<i><b>ţ</b></i>	<i><b>ŧ̣</b></i>	<i><b>ŧ̥</b></i>	<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<i><b>ŭ</b></i>			<i><b>u</b></i>	<i><b>ụ̆</b></i>	<i><b>ŭ̥</b></i>	<code>\mbfscru</code>	mathematical bold script small u
U+1D4FF		<i><b>ŵ</b></i>			<i><b>ʋ</b></i>	<i><b>ẉ̂</b></i>	<i><b>ŵ̥</b></i>	<code>\mbfscrv</code>	mathematical bold script small v
U+1D500		<i><b>ŵ</b></i>			<i><b>ʋ̣</b></i>	<i><b>ẉ̂</b></i>	<i><b>ŵ̥</b></i>	<code>\mbfscrw</code>	mathematical bold script small w
U+1D501		<i><b>Ẁ</b></i>			<i><b>x</b></i>	<i><b>ẉ̀</b></i>	<i><b>ẁ̥</b></i>	<code>\mbfscrx</code>	mathematical bold script small x
U+1D502		<i><b>Ẃ</b></i>			<i><b>y</b></i>	<i><b>ẉ́</b></i>	<i><b>ẃ̥</b></i>	<code>\mbfscry</code>	mathematical bold script small y
U+1D503		<i><b>Ẅ</b></i>			<i><b>z</b></i>	<i><b>ẉ̈</b></i>	<i><b>ẅ̥</b></i>	<code>\mbfscrz</code>	mathematical bold script small z

### 15.2.11 Bold fraktur, Latin, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D56C	<i><b>A</b></i>	<i><b>Ạ</b></i>	<i><b>Ḁ</b></i>	<i><b>A̧</b></i>	<i><b>Ą</b></i>	<i><b>A̩</b></i>	<i><b>A̪</b></i>	<code>\mbffrakA</code>	mathematical bold fraktur capital a
U+1D56D	<i><b>B</b></i>	<i><b>Ḅ</b></i>	<i><b>B̥</b></i>	<i><b>B̧</b></i>	<i><b>B̨</b></i>	<i><b>B̩</b></i>	<i><b>B̪</b></i>	<code>\mbffrakB</code>	mathematical bold fraktur capital b
U+1D56E	<i><b>C</b></i>	<i><b>C̣</b></i>	<i><b>C̥</b></i>	<i><b>Ç</b></i>	<i><b>C̨</b></i>	<i><b>C̩</b></i>	<i><b>C̪</b></i>	<code>\mbffrakC</code>	mathematical bold fraktur capital c
U+1D56F	<i><b>D</b></i>	<i><b>Ḍ</b></i>	<i><b>D̥</b></i>	<i><b>Ḑ</b></i>	<i><b>D̨</b></i>	<i><b>D̩</b></i>	<i><b>D̪</b></i>	<code>\mbffrakD</code>	mathematical bold fraktur capital d
U+1D570	<i><b>E</b></i>	<i><b>Ẹ</b></i>	<i><b>E̥</b></i>	<i><b>Ȩ</b></i>	<i><b>Ę</b></i>	<i><b>E̩</b></i>	<i><b>E̪</b></i>	<code>\mbffrakE</code>	mathematical bold fraktur capital e
U+1D571	<i><b>F</b></i>	<i><b>F̣</b></i>	<i><b>F̥</b></i>	<i><b>F̧</b></i>	<i><b>F̨</b></i>	<i><b>F̩</b></i>	<i><b>F̪</b></i>	<code>\mbffrakF</code>	mathematical bold fraktur capital f

USV	M	S	E	K	P	L	G	Macro	Description
U+1D572	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	𝔢	\mbffrakG	mathematical bold fraktur capital g
U+1D573	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	𝔣	\mbffrakH	mathematical bold fraktur capital h
U+1D574	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	\mbffrakI	mathematical bold fraktur capital i
U+1D575	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	𝔧	\mbffrakJ	mathematical bold fraktur capital j
U+1D576	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	𝔨	\mbffrakK	mathematical bold fraktur capital k
U+1D577	𝔩	𝔩	𝔩	𝔩	𝔩	𝔩	𝔩	\mbffrakL	mathematical bold fraktur capital l
U+1D578	𝔪	𝔪	𝔪	𝔪	𝔪	𝔪	𝔪	\mbffrakM	mathematical bold fraktur capital m
U+1D579	𝔫	𝔫	𝔫	𝔫	𝔫	𝔫	𝔫	\mbffrakN	mathematical bold fraktur capital n
U+1D57A	𝔬	𝔬	𝔬	𝔬	𝔬	𝔬	𝔬	\mbffrakO	mathematical bold fraktur capital o
U+1D57B	𝔭	𝔭	𝔭	𝔭	𝔭	𝔭	𝔭	\mbffrakP	mathematical bold fraktur capital p
U+1D57C	𝔮	𝔮	𝔮	𝔮	𝔮	𝔮	𝔮	\mbffrakQ	mathematical bold fraktur capital q
U+1D57D	𝔯	𝔯	𝔯	𝔯	𝔯	𝔯	𝔯	\mbffrakR	mathematical bold fraktur capital r
U+1D57E	𝔰	𝔰	𝔰	𝔰	𝔰	𝔰	𝔰	\mbffrakS	mathematical bold fraktur capital s
U+1D57F	𝔱	𝔱	𝔱	𝔱	𝔱	𝔱	𝔱	\mbffrakT	mathematical bold fraktur capital t
U+1D580	𝔲	𝔲	𝔲	𝔲	𝔲	𝔲	𝔲	\mbffrakU	mathematical bold fraktur capital u
U+1D581	𝔳	𝔳	𝔳	𝔳	𝔳	𝔳	𝔳	\mbffrakV	mathematical bold fraktur capital v
U+1D582	𝔴	𝔴	𝔴	𝔴	𝔴	𝔴	𝔴	\mbffrakW	mathematical bold fraktur capital w

USV	M	S	E	K	P	L	G	Macro	Description
U+1D583	<b>𝔷</b>	<b>𝔸</b>	<b>𝔹</b>	<b>𝔽</b>	<b>𝔾</b>	<b>𝔿</b>	<b>𝔻</b>	<code>\mbffrakX</code>	mathematical bold fraktur capital x
U+1D584	<b>𝔶</b>	<b>𝔽</b>	<b>𝔾</b>	<b>𝔿</b>	<b>𝔻</b>	<b>𝔼</b>	<b>𝔽</b>	<code>\mbffrakY</code>	mathematical bold fraktur capital y
U+1D585	<b>𝔷</b>	<b>𝔸</b>	<b>𝔹</b>	<b>𝔽</b>	<b>𝔾</b>	<b>𝔿</b>	<b>𝔻</b>	<code>\mbffrakZ</code>	mathematical bold fraktur capital z

### 15.2.12 Bold fraktur, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D586	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffraka</code>	mathematical bold fraktur small a
U+1D587	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakb</code>	mathematical bold fraktur small b
U+1D588	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakc</code>	mathematical bold fraktur small c
U+1D589	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakd</code>	mathematical bold fraktur small d
U+1D58A	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrake</code>	mathematical bold fraktur small e
U+1D58B	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakf</code>	mathematical bold fraktur small f
U+1D58C	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakg</code>	mathematical bold fraktur small g
U+1D58D	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakh</code>	mathematical bold fraktur small h
U+1D58E	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffraki</code>	mathematical bold fraktur small i
U+1D58F	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakj</code>	mathematical bold fraktur small j
U+1D590	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakk</code>	mathematical bold fraktur small k
U+1D591	<b>𝔞</b>	<b>𝔟</b>	<b>𝔠</b>	<b>𝔡</b>	<b>𝔢</b>	<b>𝔣</b>	<b>𝔤</b>	<code>\mbffrakl</code>	mathematical bold fraktur small l

usv	M	S	E	K	P	L	G	Macro	Description
U+1D592	<b>𝓂</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakm</code>	mathematical bold fraktur small $\mathfrak{m}$
U+1D593	<b>𝓃</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakn</code>	mathematical bold fraktur small $\mathfrak{n}$
U+1D594	<b>𝓪</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrako</code>	mathematical bold fraktur small $\mathfrak{o}$
U+1D595	<b>𝓅</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakp</code>	mathematical bold fraktur small $\mathfrak{p}$
U+1D596	<b>𝓆</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakq</code>	mathematical bold fraktur small $\mathfrak{q}$
U+1D597	<b>𝓇</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakr</code>	mathematical bold fraktur small $\mathfrak{r}$
U+1D598	<b>𝓈</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffraks</code>	mathematical bold fraktur small $\mathfrak{s}$
U+1D599	<b>𝓉</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakt</code>	mathematical bold fraktur small $\mathfrak{t}$
U+1D59A	<b>𝓊</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffraku</code>	mathematical bold fraktur small $\mathfrak{u}$
U+1D59B	<b>𝓋</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakv</code>	mathematical bold fraktur small $\mathfrak{v}$
U+1D59C	<b>𝓌</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakw</code>	mathematical bold fraktur small $\mathfrak{w}$
U+1D59D	<b>𝓇</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakx</code>	mathematical bold fraktur small $\mathfrak{x}$
U+1D59E	<b>𝓎</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffraky</code>	mathematical bold fraktur small $\mathfrak{y}$
U+1D59F	<b>𝓏</b>	<b>𝓈</b>	<b>𝓔</b>	<b>𝓀</b>	<b>𝓅</b>	<b>𝓁</b>	<b>𝓖</b>	<code>\mbffrakz</code>	mathematical bold fraktur small $\mathfrak{z}$

### 15.2.13 Bold sans serif, Latin, uppercase

usv	M	S	E	K	P	L	G	Macro	Description
U+1D5D4	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<code>\mbfsansA</code>	mathematical sans-serif bold capital a
U+1D5D5	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<code>\mbfsansB</code>	mathematical sans-serif bold capital b

USV	M	S	E	K	P	L	G	Macro	Description
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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

USV	M	S	E	K	P	L	G	Macro	Description
U+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
U+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
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
U+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
U+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
U+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
U+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

#### 15.2.14 Bold sans serif, Latin, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D5EE	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<b>a</b>	<code>\mbfsansa</code>	mathematical sans-serif bold small a
U+1D5EF	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<b>b</b>	<code>\mbfsansb</code>	mathematical sans-serif bold small b
U+1D5F0	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<b>c</b>	<code>\mbfsansc</code>	mathematical sans-serif bold small c
U+1D5F1	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<b>d</b>	<code>\mbfsansd</code>	mathematical sans-serif bold small d
U+1D5F2	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<b>e</b>	<code>\mbfsanse</code>	mathematical sans-serif bold small e
U+1D5F3	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<b>f</b>	<code>\mbfsansf</code>	mathematical sans-serif bold small f
U+1D5F4	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<code>\mbfsansg</code>	mathematical sans-serif bold small g
U+1D5F5	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<b>h</b>	<code>\mbfsansh</code>	mathematical sans-serif bold small h



usv	M	S	E	K	P	L	G	Macro	Description
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+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
U+1D5FF	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<b>r</b>	<code>\mbfsansr</code>	mathematical sans-serif bold small r
U+1D600	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<b>s</b>	<code>\mbfsanss</code>	mathematical sans-serif bold small s
U+1D601	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<b>t</b>	<code>\mbfsanst</code>	mathematical sans-serif bold small t
U+1D602	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<b>u</b>	<code>\mbfsansu</code>	mathematical sans-serif bold small u
U+1D603	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<b>v</b>	<code>\mbfsansv</code>	mathematical sans-serif bold small v
U+1D604	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<code>\mbfsansw</code>	mathematical sans-serif bold small w
U+1D605	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<code>\mbfsansx</code>	mathematical sans-serif bold small x
U+1D606	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<b>y</b>	<code>\mbfsansy</code>	mathematical sans-serif bold small y

usv	M	S	E	K	P	L	G	Macro	Description
U+1D607	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<code>\mbfssansz</code>	mathematical sans-serif bold small z

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

usv	M	S	E	K	P	L	G	Macro	Description
U+1D63C	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<code>\mbfitsansA</code>	mathematical sans-serif bold italic capital a
U+1D63D	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<code>\mbfitsansB</code>	mathematical sans-serif bold italic capital b
U+1D63E	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<code>\mbfitsansC</code>	mathematical sans-serif bold italic capital c
U+1D63F	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>	<code>\mbfitsansD</code>	mathematical sans-serif bold italic capital d
U+1D640	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<code>\mbfitsansE</code>	mathematical sans-serif bold italic capital e
U+1D641	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<code>\mbfitsansF</code>	mathematical sans-serif bold italic capital f
U+1D642	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<b>G</b>	<code>\mbfitsansG</code>	mathematical sans-serif bold italic capital g
U+1D643	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<code>\mbfitsansH</code>	mathematical sans-serif bold italic capital h
U+1D644	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<code>\mbfitsansI</code>	mathematical sans-serif bold italic capital i
U+1D645	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<b>J</b>	<code>\mbfitsansJ</code>	mathematical sans-serif bold italic capital j
U+1D646	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<code>\mbfitsansK</code>	mathematical sans-serif bold italic capital k
U+1D647	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>	<code>\mbfitsansL</code>	mathematical sans-serif bold italic capital l
U+1D648	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<code>\mbfitsansM</code>	mathematical sans-serif bold italic capital m
U+1D649	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<code>\mbfitsansN</code>	mathematical sans-serif bold italic capital n

USV	M	S	E	K	P	L	G	Macro	Description
U+1D64A	<i><b>O</b></i>	<i><b>o</b></i>	<i><b>O</b></i>	<i><b>o</b></i>	<i><b>O</b></i>	<i><b>o</b></i>	<i><b>O</b></i>	<code>\mbfitsansO</code>	mathematical sans-serif bold italic capital o
U+1D64B	<i><b>P</b></i>	<i><b>p</b></i>	<i><b>P</b></i>	<i><b>p</b></i>	<i><b>P</b></i>	<i><b>p</b></i>	<i><b>P</b></i>	<code>\mbfitsansP</code>	mathematical sans-serif bold italic capital p
U+1D64C	<i><b>Q</b></i>	<i><b>q</b></i>	<i><b>Q</b></i>	<i><b>q</b></i>	<i><b>Q</b></i>	<i><b>q</b></i>	<i><b>Q</b></i>	<code>\mbfitsansQ</code>	mathematical sans-serif bold italic capital q
U+1D64D	<i><b>R</b></i>	<i><b>r</b></i>	<i><b>R</b></i>	<i><b>r</b></i>	<i><b>R</b></i>	<i><b>r</b></i>	<i><b>R</b></i>	<code>\mbfitsansR</code>	mathematical sans-serif bold italic capital r
U+1D64E	<i><b>S</b></i>	<i><b>s</b></i>	<i><b>S</b></i>	<i><b>s</b></i>	<i><b>S</b></i>	<i><b>s</b></i>	<i><b>S</b></i>	<code>\mbfitsansS</code>	mathematical sans-serif bold italic capital s
U+1D64F	<i><b>T</b></i>	<i><b>t</b></i>	<i><b>T</b></i>	<i><b>t</b></i>	<i><b>T</b></i>	<i><b>t</b></i>	<i><b>T</b></i>	<code>\mbfitsansT</code>	mathematical sans-serif bold italic capital t
U+1D650	<i><b>U</b></i>	<i><b>u</b></i>	<i><b>U</b></i>	<i><b>u</b></i>	<i><b>U</b></i>	<i><b>u</b></i>	<i><b>U</b></i>	<code>\mbfitsansU</code>	mathematical sans-serif bold italic capital u
U+1D651	<i><b>V</b></i>	<i><b>v</b></i>	<i><b>V</b></i>	<i><b>v</b></i>	<i><b>V</b></i>	<i><b>v</b></i>	<i><b>V</b></i>	<code>\mbfitsansV</code>	mathematical sans-serif bold italic capital v
U+1D652	<i><b>W</b></i>	<i><b>w</b></i>	<i><b>W</b></i>	<i><b>w</b></i>	<i><b>W</b></i>	<i><b>w</b></i>	<i><b>W</b></i>	<code>\mbfitsansW</code>	mathematical sans-serif bold italic capital w
U+1D653	<i><b>X</b></i>	<i><b>x</b></i>	<i><b>X</b></i>	<i><b>x</b></i>	<i><b>X</b></i>	<i><b>x</b></i>	<i><b>X</b></i>	<code>\mbfitsansX</code>	mathematical sans-serif bold italic capital x
U+1D654	<i><b>Y</b></i>	<i><b>y</b></i>	<i><b>Y</b></i>	<i><b>y</b></i>	<i><b>Y</b></i>	<i><b>y</b></i>	<i><b>Y</b></i>	<code>\mbfitsansY</code>	mathematical sans-serif bold italic capital y
U+1D655	<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>	<code>\mbfitsansZ</code>	mathematical sans-serif bold italic capital z

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

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

usv	M	S	E	K	P	L	G	Macro	Description
U+1D659	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mbfitsansd</code>	mathematical sans-serif bold italic small d
U+1D65A	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<i>e</i>	<code>\mbfitsanse</code>	mathematical sans-serif bold italic small e
U+1D65B	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mbfitsansf</code>	mathematical sans-serif bold italic small f
U+1D65C	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<i>g</i>	<code>\mbfitsansg</code>	mathematical sans-serif bold italic small g
U+1D65D	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mbfitsansh</code>	mathematical sans-serif bold italic small h
U+1D65E	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mbfitsansi</code>	mathematical sans-serif bold italic small i
U+1D65F	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mbfitsansj</code>	mathematical sans-serif bold italic small j
U+1D660	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfitsansk</code>	mathematical sans-serif bold italic small k
U+1D661	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mbfitsansl</code>	mathematical sans-serif bold italic small l
U+1D662	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mbfitsansm</code>	mathematical sans-serif bold italic small m
U+1D663	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<code>\mbfitsansn</code>	mathematical sans-serif bold italic small n
U+1D664	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\mbfitsanso</code>	mathematical sans-serif bold italic small o
U+1D665	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mbfitsansp</code>	mathematical sans-serif bold italic small p
U+1D666	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mbfitsansq</code>	mathematical sans-serif bold italic small q
U+1D667	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mbfitsansr</code>	mathematical sans-serif bold italic small r
U+1D668	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mbfitsanss</code>	mathematical sans-serif bold italic small s
U+1D669	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfitsanst</code>	mathematical sans-serif bold italic small t

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

### 15.2.17 Bold sans serif Greek, uppercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D756	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<code>\mbfsansAlpha</code>	mathematical sans-serif bold capital alpha
U+1D757	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<code>\mbfsansBeta</code>	mathematical sans-serif bold capital beta
U+1D758	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<code>\mbfsansGamma</code>	mathematical sans-serif bold capital gamma
U+1D759	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<code>\mbfsansDelta</code>	mathematical sans-serif bold capital delta
U+1D75A	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<code>\mbfsansEpsilon</code>	mathematical sans-serif bold capital epsilon
U+1D75B	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<code>\mbfsansZeta</code>	mathematical sans-serif bold capital zeta
U+1D75C	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<code>\mbfsansEta</code>	mathematical sans-serif bold capital eta
U+1D75D	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<code>\mbfsansTheta</code>	mathematical sans-serif bold capital theta
U+1D75E	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<code>\mbfsansIota</code>	mathematical sans-serif bold capital iota

USV	M	S	E	K	P	L	G	Macro	Description
U+1D75F	<b>Κ</b>	<b>κ</b>	<b>Κ</b>	<b>κ</b>	<b>Κ</b>	<b>κ</b>	<b>Κ</b>	<code>\mbfsansKappa</code>	mathematical sans-serif bold capital kappa
U+1D760	<b>Λ</b>	<b>λ</b>	<b>Λ</b>	<b>λ</b>	<b>Λ</b>	<b>λ</b>	<b>Λ</b>	<code>\mbfsansLambda</code>	mathematical sans-serif bold capital lambda
U+1D761	<b>Μ</b>	<b>μ</b>	<b>Μ</b>	<b>μ</b>	<b>Μ</b>	<b>μ</b>	<b>Μ</b>	<code>\mbfsansMu</code>	mathematical sans-serif bold capital mu
U+1D762	<b>Ν</b>	<b>ν</b>	<b>Ν</b>	<b>ν</b>	<b>Ν</b>	<b>ν</b>	<b>Ν</b>	<code>\mbfsansNu</code>	mathematical sans-serif bold capital nu
U+1D763	<b>Ξ</b>	<b>ξ</b>	<b>Ξ</b>	<b>ξ</b>	<b>Ξ</b>	<b>ξ</b>	<b>Ξ</b>	<code>\mbfsansXi</code>	mathematical sans-serif bold capital xi
U+1D764	<b>Ο</b>	<b>ο</b>	<b>Ο</b>	<b>ο</b>	<b>Ο</b>	<b>ο</b>	<b>Ο</b>	<code>\mbfsansOmicron</code>	mathematical sans-serif bold capital omicron
U+1D765	<b>Π</b>	<b>π</b>	<b>Π</b>	<b>π</b>	<b>Π</b>	<b>π</b>	<b>Π</b>	<code>\mbfsansPi</code>	mathematical sans-serif bold capital pi
U+1D766	<b>Ρ</b>	<b>ρ</b>	<b>Ρ</b>	<b>ρ</b>	<b>Ρ</b>	<b>ρ</b>	<b>Ρ</b>	<code>\mbfsansRho</code>	mathematical sans-serif bold capital rho
U+1D767	<b>Θ</b>	<b>θ</b>	<b>Θ</b>	<b>θ</b>	<b>Θ</b>	<b>θ</b>	<b>Θ</b>	<code>\mbfsansvarTheta</code>	mathematical sans-serif bold capital theta symbol
U+1D768	<b>Σ</b>	<b>σ</b>	<b>Σ</b>	<b>σ</b>	<b>Σ</b>	<b>σ</b>	<b>Σ</b>	<code>\mbfsansSigma</code>	mathematical sans-serif bold capital sigma
U+1D769	<b>Τ</b>	<b>τ</b>	<b>Τ</b>	<b>τ</b>	<b>Τ</b>	<b>τ</b>	<b>Τ</b>	<code>\mbfsansTau</code>	mathematical sans-serif bold capital tau
U+1D76A	<b>Υ</b>	<b>υ</b>	<b>Υ</b>	<b>υ</b>	<b>Υ</b>	<b>υ</b>	<b>Υ</b>	<code>\mbfsansUpsilon</code>	mathematical sans-serif bold capital upsilon
U+1D76B	<b>Φ</b>	<b>φ</b>	<b>Φ</b>	<b>φ</b>	<b>Φ</b>	<b>φ</b>	<b>Φ</b>	<code>\mbfsansPhi</code>	mathematical sans-serif bold capital phi
U+1D76C	<b>Χ</b>	<b>χ</b>	<b>Χ</b>	<b>χ</b>	<b>Χ</b>	<b>χ</b>	<b>Χ</b>	<code>\mbfsansChi</code>	mathematical sans-serif bold capital chi
U+1D76D	<b>Ψ</b>	<b>ψ</b>	<b>Ψ</b>	<b>ψ</b>	<b>Ψ</b>	<b>ψ</b>	<b>Ψ</b>	<code>\mbfsansPsi</code>	mathematical sans-serif bold capital psi
U+1D76E	<b>Ω</b>	<b>ω</b>	<b>Ω</b>	<b>ω</b>	<b>Ω</b>	<b>ω</b>	<b>Ω</b>	<code>\mbfsansOmega</code>	mathematical sans-serif bold capital omega

### 15.2.18 Bold sans serif Greek, lowercase

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

USV	M	S	E	K	P	L	G	Macro	Description
U+1D781	ς	ς	ς	ς	ς	ς	ς	<code>\mbfsansvarsigma</code>	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ	σ	σ	σ	σ	<code>\mbfsanssigma</code>	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ	τ	τ	τ	τ	<code>\mbfsanstau</code>	mathematical sans-serif bold small tau
U+1D784	υ	υ	υ	υ	υ	υ	υ	<code>\mbfsansupsilon</code>	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ	φ	φ	φ	φ	<code>\mbfsansvarphi</code>	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ	χ	χ	χ	χ	<code>\mbfsanschi</code>	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ	ψ	ψ	ψ	ψ	<code>\mbfsanspsi</code>	mathematical sans-serif bold small psi
U+1D788	ω	ω	ω	ω	ω	ω	ω	<code>\mbfsansomega</code>	mathematical sans-serif bold small omega
U+1D789	∂	∂	∂	∂	∂			<code>\mbfsanspartial</code>	mathematical sans-serif bold partial differential
U+1D78A	ε	ε	ε	ε	ε		ε	<code>\mbfsansepsilon</code>	mathematical sans-serif bold varepsilon symbol
U+1D78B	θ	θ	θ	θ	θ	θ	θ	<code>\mbfsansvartheta</code>	mathematical sans-serif bold theta symbol
U+1D78C	κ	κ	κ	κ	κ			<code>\mbfsansvarkappa</code>	mathematical sans-serif bold kappa symbol
U+1D78D	φ	φ	φ	φ	φ			<code>\mbfsansphi</code>	mathematical sans-serif bold phi symbol
U+1D78E	ρ	ρ	ρ	ρ	ρ			<code>\mbfsansvarrho</code>	mathematical sans-serif bold rho symbol
U+1D78F	π	π	π	π	π			<code>\mbfsansvarpi</code>	mathematical sans-serif bold pi symbol

### 15.2.19 Bold italic sans serif Greek, uppercase



USV	M	S	E	K	P	L	G	Macro	Description
U+1D790	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		<code>\mbfitsansAlpha</code>	mathematical sans-serif bold italic capital alpha
U+1D791	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>		<code>\mbfitsansBeta</code>	mathematical sans-serif bold italic capital beta
U+1D792	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>	<b>Γ</b>		<code>\mbfitsansGamma</code>	mathematical sans-serif bold italic capital gamma
U+1D793	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>	<b>Δ</b>		<code>\mbfitsansDelta</code>	mathematical sans-serif bold italic capital delta
U+1D794	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>		<code>\mbfitsansEpsilon</code>	mathematical sans-serif bold italic capital epsilon
U+1D795	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>	<b>Z</b>		<code>\mbfitsansZeta</code>	mathematical sans-serif bold italic capital zeta
U+1D796	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>	<b>H</b>		<code>\mbfitsansEta</code>	mathematical sans-serif bold italic capital eta
U+1D797	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>	<b>Θ</b>		<code>\mbfitsansTheta</code>	mathematical sans-serif bold italic capital theta
U+1D798	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>	<b>I</b>		<code>\mbfitsansIota</code>	mathematical sans-serif bold italic capital iota
U+1D799	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>	<b>K</b>		<code>\mbfitsansKappa</code>	mathematical sans-serif bold italic capital kappa
U+1D79A	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>	<b>Λ</b>		<code>\mbfitsansLambda</code>	mathematical sans-serif bold italic capital lambda
U+1D79B	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>		<code>\mbfitsansMu</code>	mathematical sans-serif bold italic capital mu
U+1D79C	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>		<code>\mbfitsansNu</code>	mathematical sans-serif bold italic capital nu
U+1D79D	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>	<b>Ξ</b>		<code>\mbfitsansXi</code>	mathematical sans-serif bold italic capital xi
U+1D79E	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>	<b>O</b>		<code>\mbfitsansOmicron</code>	mathematical sans-serif bold italic capital omicron
U+1D79F	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>	<b>Π</b>		<code>\mbfitsansPi</code>	mathematical sans-serif bold italic capital pi
U+1D7A0	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>		<code>\mbfitsansRho</code>	mathematical sans-serif bold italic capital rho

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

### 15.2.20 Bold italic sans serif Greek, lowercase

USV	M	S	E	K	P	L	G	Macro	Description
U+1D7AA	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>	<b>α</b>		<code>\mbfitsansalpha</code>	mathematical sans-serif bold italic small alpha
U+1D7AB	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>	<b>β</b>		<code>\mbfitsansbeta</code>	mathematical sans-serif bold italic small beta
U+1D7AC	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>	<b>γ</b>		<code>\mbfitsansgamma</code>	mathematical sans-serif bold italic small gamma
U+1D7AD	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>	<b>δ</b>		<code>\mbfitsansdelta</code>	mathematical sans-serif bold italic small delta
U+1D7AE	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>	<b>ε</b>		<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic small varepsilon
U+1D7AF	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>	<b>ζ</b>		<code>\mbfitsanszeta</code>	mathematical sans-serif bold italic small zeta
U+1D7B0	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>	<b>η</b>		<code>\mbfitsanseta</code>	mathematical sans-serif bold italic small eta

USV	M	S	E	K	P	L	G	Macro	Description
U+1D7B1	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>	<b>θ</b>		<code>\mbfitsanstheta</code>	mathematical sans-serif bold italic small theta
U+1D7B2	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>	<b>ι</b>		<code>\mbfitsansiota</code>	mathematical sans-serif bold italic small iota
U+1D7B3	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>	<b>κ</b>		<code>\mbfitsanskappa</code>	mathematical sans-serif bold italic small kappa
U+1D7B4	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>	<b>λ</b>		<code>\mbfitsanslambda</code>	mathematical sans-serif bold italic small lambda
U+1D7B5	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>	<b>μ</b>		<code>\mbfitsansmu</code>	mathematical sans-serif bold italic small mu
U+1D7B6	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>	<b>ν</b>		<code>\mbfitsansnu</code>	mathematical sans-serif bold italic small nu
U+1D7B7	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>	<b>ξ</b>		<code>\mbfitsansxi</code>	mathematical sans-serif bold italic small xi
U+1D7B8	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>	<b>ο</b>		<code>\mbfitsansomicron</code>	mathematical sans-serif bold italic small omicron
U+1D7B9	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>	<b>π</b>		<code>\mbfitsanspi</code>	mathematical sans-serif bold italic small pi
U+1D7BA	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>	<b>ρ</b>		<code>\mbfitsansrho</code>	mathematical sans-serif bold italic small rho
U+1D7BB	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>	<b>ς</b>		<code>\mbfitsansvarsigma</code>	mathematical sans-serif bold italic small final sigma
U+1D7BC	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>	<b>σ</b>		<code>\mbfitsanssigma</code>	mathematical sans-serif bold italic small sigma
U+1D7BD	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>	<b>τ</b>		<code>\mbfitsanstau</code>	mathematical sans-serif bold italic small tau
U+1D7BE	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>	<b>υ</b>		<code>\mbfitsansupsilon</code>	mathematical sans-serif bold italic small upsilon
U+1D7BF	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>	<b>φ</b>		<code>\mbfitsansvarphi</code>	mathematical sans-serif bold italic small phi
U+1D7C0	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>	<b>χ</b>		<code>\mbfitsanschi</code>	mathematical sans-serif bold italic small chi
U+1D7C1	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>	<b>ψ</b>		<code>\mbfitsanspsi</code>	mathematical sans-serif bold italic small psi

USV	M	S	E	K	P	L	G	Macro	Description
U+1D7C2								<code>\mbfitsansomega</code>	mathematical sans-serif bold italic small omega
U+1D7C3								<code>\mbfitsanspartial</code>	mathematical sans-serif bold italic partial differential
U+1D7C4								<code>\mbfitsansepsilon</code>	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5								<code>\mbfitsansvartheta</code>	mathematical sans-serif bold italic theta symbol
U+1D7C6								<code>\mbfitsansvarkappa</code>	mathematical sans-serif bold italic kappa symbol
U+1D7C7								<code>\mbfitsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8								<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9								<code>\mbfitsansvarpi</code>	mathematical sans-serif bold italic pi symbol

## 15.3 Miscellaneous

USV	M	S	E	K	P	L	G	Macro	Description
U+000F0								<code>\matheth</code>	eth
U+02010	-	-	-	-	-	-	-	<code>\mathhyphen</code>	hyphen
U+02102								<code>\BbbC</code>	/bbb c, open face c
U+0210A								<code>\mscr g</code>	/scr g, script letter g
U+0210B								<code>\mscr H</code>	hamiltonian (script capital h)
U+0210C								<code>\mfrac H</code>	/frak h, upper case h
U+0210D								<code>\BbbH</code>	/bbb h, open face h
U+0210F								<code>\hslash</code> <sup>(a)</sup>	/hslash - variant planck's over 2pi

USV	M	S	E	K	P	L	G	Macro	Description
U+02110	<i>I</i>	<i>J</i>	<i>I</i>	<i>J</i>	<i>I</i>	<i>J</i>	<i>I</i>	<code>\mscrI</code>	/scr i, script letter i
U+02111	<i>İ</i>	<i>Ǧ</i>	<i>Ǫ</i>	<i>İ</i>	<i>Ǧ</i>	<i>Ǫ</i>	<i>Ǫ</i>	<code>\Im<sup>(p)</sup></code>	imaginary part
U+02112	<i>ℒ</i>	<i>ℒ</i>	<i>ℒ</i>	<i>ℒ</i>	<i>ℒ</i>	<i>ℒ</i>	<i>ℒ</i>	<code>\mscrL</code>	lagrangian (script capital l)
U+02113	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\ell<sup>(p)</sup></code>	cursive small l
U+02115	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\BbbN</code>	/bbb n, open face n
U+02118	<i>℘</i>	<i>℘</i>	<i>℘</i>	<i>℘</i>	<i>℘</i>	<i>℘</i>	<i>℘</i>	<code>\wp<sup>(p)</sup></code>	weierstrass p
U+02119	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\BbbP</code>	/bbb p, open face p
U+0211A	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\BbbQ</code>	/bbb q, open face q
U+0211B	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<code>\mscrR</code>	/scr r, script letter r
U+0211C	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<i>℞</i>	<code>\Re<sup>(p)</sup></code>	real part
U+0211D	<i>ℝ</i>	<i>ℝ</i>	<i>ℝ</i>	<i>ℝ</i>	<i>ℝ</i>	<i>ℝ</i>	<i>ℝ</i>	<code>\BbbR</code>	/bbb r, open face r
U+02124	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\BbbZ</code>	/bbb z, open face z
U+02128	<i>Ƶ</i>	<i>Ƶ</i>	<i>Ƶ</i>	<i>Ƶ</i>	<i>Ƶ</i>	<i>Ƶ</i>	<i>Ƶ</i>	<code>\mfracZ</code>	/frak z, upper case z
U+02129		<i>ı</i>						<code>\turnediota</code>	turned iota
U+0212B	<i>Å</i>	<i>Å</i>	<i>Å</i>	<i>Å</i>	<i>Å</i>		<i>Å</i>	<code>\Angstrom</code>	angstrom capital a, ring
U+0212C	<i>ℬ</i>	<i>ℬ</i>	<i>ℬ</i>	<i>ℬ</i>	<i>ℬ</i>	<i>ℬ</i>	<i>ℬ</i>	<code>\mscrB</code>	bernoulli function (script capital b)
U+0212D	<i>℄</i>	<i>℄</i>	<i>℄</i>	<i>℄</i>	<i>℄</i>	<i>℄</i>	<i>℄</i>	<code>\mfracC</code>	black-letter capital c
U+0212F		<i>ℓ</i>	<i>ℓ</i>		<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mscre</code>	/scr e, script letter e
U+02130	<i>ℰ</i>	<i>ℰ</i>	<i>ℰ</i>	<i>ℰ</i>	<i>ℰ</i>	<i>ℰ</i>	<i>ℰ</i>	<code>\mscrE</code>	/scr e, script letter e
U+02131	<i>ℱ</i>	<i>ℱ</i>	<i>ℱ</i>	<i>ℱ</i>	<i>ℱ</i>	<i>ℱ</i>	<i>ℱ</i>	<code>\mscrF</code>	/scr f, script letter f

usv	M	S	E	K	P	L	G	Macro	Description
U+02133	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mscrM</code>	physics m-matrix (script capital m)
U+02134		<i>o</i>	<i>o</i>		<i>o</i>	<i>o</i>	<i>o</i>	<code>\mscro</code>	order of (script small o)
U+02135	<i>ℵ</i>	<i>ℵ</i>	<i>ℵ</i>	<i>ℵ</i>	<i>ℵ</i>	<i>ℵ</i>	<i>ℵ</i>	<code>\aleph<sup>(p)</sup></code>	aleph, hebrew
U+02136	<i>ב</i>	<i>ב</i>	<i>ב</i>	<i>ב</i>	<i>ב</i>	<i>ב</i>	<i>ב</i>	<code>\beth<sup>(a)</sup></code>	beth, hebrew
U+02137	<i>ג</i>	<i>ג</i>	<i>ג</i>	<i>ג</i>	<i>ג</i>	<i>ג</i>	<i>ג</i>	<code>\gimel<sup>(a)</sup></code>	gimel, hebrew
U+02138	<i>ד</i>	<i>ד</i>	<i>ד</i>	<i>ד</i>	<i>ד</i>	<i>ד</i>	<i>ד</i>	<code>\daleth<sup>(a)</sup></code>	daleth, hebrew
U+0213D	<i>Ɑ</i>	<i>Ɑ</i>	<i>Ɑ</i>		<i>Ɑ</i>		<i>Ɑ</i>	<code>\Bbbgamma</code>	double-struck small gamma
U+0213E	<i>Ɱ</i>	<i>Ɱ</i>	<i>Ɱ</i>		<i>Ɱ</i>		<i>Ɱ</i>	<code>\BbbGamma</code>	double-struck capital gamma
U+0213F	<i>Ɐ</i>	<i>Ɐ</i>	<i>Ɐ</i>		<i>Ɐ</i>		<i>Ɐ</i>	<code>\BbbPi</code>	double-struck capital pi
U+02202	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<code>\partial<sup>(p)</sup></code>	partial differential
U+02207	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<code>\nabla<sup>(p)</sup></code>	nabla, del, hamilton operator
U+1D6A4	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\imath<sup>(p)</sup></code>	mathematical italic small dot-less i
U+1D6A5	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\jmath<sup>(p)</sup></code>	mathematical italic small dot-less j
U+1D6C1	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfnabla</code>	mathematical bold nabla
U+1D6FB	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<i>∇</i>	<code>\mitnabla</code>	mathematical italic nabla
U+1D735	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<code>\mbfitnabla</code>	mathematical bold italic nabla
U+1D76F	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<b>∇</b>	<code>\mbfsansnabla</code>	mathematical sans-serif bold nabla
U+1D7A9	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>	<b><i>∇</i></b>		<code>\mbfitsansnabla</code>	mathematical sans-serif bold italic nabla
U+1D7CA		<b>Ɔ</b>				<b>Ɔ</b>		<code>\mbfDigamma</code>	mathematical bold capital digamma

usv	M	S	E	K	P	L	G	Macro	Description
U+1D7CB		<b>ƒ</b>				<b>ƒ</b>		<code>\mbfdigamma</code>	mathematical bold small digamma