

Symbols defined by unicode-math

Will Robertson

Modified (df) to show XCharter 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)¹

M **Latin Modern Math** (1602)

S **STIX Two Math** (2445)

E **Erewhon Math** (1669)

X **XCharter Math** (1596)

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

L **Libertinus Math** (1657)

G **Garamond Math** (1647)

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

Note that this list of fonts is not intended to be exhaustive but I am happy to add new fonts by request if they are distributed in \TeX Live.²

Contents

1	Opening symbols, <code>\mathopen</code>	3
2	Closing symbols, <code>\mathclose</code>	5
3	Fence symbols, <code>\mathfence</code>	6
4	Punctuation symbols, <code>\mathpunct</code>	7
5	‘Over’ symbols, <code>\mathover</code>	7
6	‘Under’ symbols, <code>\mathunder</code>	7
7	Accents, <code>\mathaccent</code>	8
8	Accents wide, <code>\mathaccentwide</code>	9
9	Bottom accents, <code>\mathbotaccent</code>	9
10	Bottom accents wide, <code>\mathbotaccentwide</code>	10

¹Be aware that 48 lowercase latin letters are missing in *Script* and *BoldScript* shapes for both Latin Modern, Erewhon and XCharter, compared to the other four fonts. In addition, XCharter has no lowercase Blackboard Bold (except k).

²Only a single \TeX Gyre Math font is shown here by design as they all largely have the same symbol coverage.

11	Big operators, <code>\mathop</code>	11
12	Binary relations, <code>\mathbin</code>	14
13	Ordinary symbols, <code>\mathord</code>	24
14	Relation symbols, <code>\mathrel</code>	47
15	Alphabetical symbols, <code>\mathalpha</code>	77
15.1	Normal weight	77
15.1.1	Upright Greek, uppercase	77
15.1.2	Upright Greek, lowercase	78
15.1.3	Italic, Latin, uppercase	79
15.1.4	Italic, Latin, lowercase	81
15.1.5	Italic Greek, uppercase	82
15.1.6	Italic Greek, lowercase	83
15.1.7	Script, Latin, uppercase	85
15.1.8	Script, Latin, lowercase	86
15.1.9	Fraktur, Latin, uppercase	87
15.1.10	Fraktur, Latin, lowercase	88
15.1.11	Blackboard, Latin, uppercase	90
15.1.12	Blackboard, Latin, lowercase	91
15.1.13	Sans serif, Latin, uppercase	92
15.1.14	Sans serif, Latin, lowercase	94
15.1.15	Italic sans serif, Latin, uppercase	95
15.1.16	Italic sans serif, Latin, lowercase	97
15.1.17	Typewriter, Latin, uppercase	98
15.1.18	Typewriter, Latin, lowercase	100
15.2	Bold	101
15.2.1	Bold, Latin, uppercase	101
15.2.2	Bold, Latin, lowercase	103
15.2.3	Bold Greek, uppercase	104
15.2.4	Bold Greek, lowercase	105
15.2.5	Bold italic, Latin, uppercase	107
15.2.6	Bold italic, Latin, lowercase	109
15.2.7	Bold italic Greek, uppercase	110
15.2.8	Bold italic Greek, lowercase	111
15.2.9	Bold script, Latin, uppercase	113
15.2.10	Bold script, Latin, lowercase	115
15.2.11	Bold fraktur, Latin, uppercase	116
15.2.12	Bold fraktur, Latin, lowercase	118
15.2.13	Bold sans serif, Latin, uppercase	119
15.2.14	Bold sans serif, Latin, lowercase	121
15.2.15	Bold italic sans serif, Latin, uppercase	123
15.2.16	Bold italic sans serif, Latin, lowercase	124
15.2.17	Bold sans serif Greek, uppercase	126
15.2.18	Bold sans serif Greek, lowercase	127
15.2.19	Bold italic sans serif Greek, uppercase	129
15.2.20	Bold italic sans serif Greek, lowercase	130
15.3	Miscellaneous	132

1 Opening symbols, \mathopen

USV	M	S	E	X	P	L	G	Macro	Description
U+00028	(	(	(	(	(	(	(	\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	\lbrace ^(p)	left curly bracket
U+0221A	√	√	√	√	√	√	√	\sqrt ^(p)	radical
U+0221B		√ ³		√ ³		√ ³		\cuberoot	cube root
U+0221C		√ ⁴		√ ⁴		√ ⁴		\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil ^(p)	left ceiling
U+0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor ^(p)	left floor
U+0231C	⌑	⌑	⌑	⌑	⌑	⌑	⌑	\ulcorner	upper left corner
U+0231E	⌔	⌔	⌔	⌔	⌔	⌔	⌔	\llcorner	lower left corner
U+023B0		⌋	⌋			⌋		\lmoustache ^(p)	upper left or lower right curly bracket section
U+02772		(						\lbrbrak	light left tortoise shell bracket ornament
U+027C5		⌋						\lbag	left s-shaped bag delimiter
U+027CC		)						\longdivision	long division
U+027E6	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lBrack	mathematical left white square bracket
U+027E8	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\langle ^(p)	mathematical left angle bracket
U+027EA	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lAngle	mathematical left double angle bracket
U+027EC		⌈				⌈		\Lbrbrak	mathematical left white tortoise shell bracket
U+027EE	(	(	(		(	(	(	\lgroup^(p)	mathematical left flattened parenthesis

usv	M	S	E	X	P	L	G	Macro	Description
U+02983		{						\lBrace	left white curly bracket
U+02985		(						\lParen	left white parenthesis
U+02987		⌈						\llparenthesis	z notation left image bracket
U+02989		⌊						\llangle	z notation left binding bracket
U+0298B		[						\lbrackubar	left square bracket with underbar
U+0298D		⌈						\lbrackultick	left square bracket with tick in top corner
U+0298F		⌋						\lbracklltick	left square bracket with tick in bottom corner
U+02991		⌢						\langedot	left angle bracket with dot
U+02993		⌢						\lparenless	left arc less-than bracket
U+02995		⌢						\Lparengtr	double left arc greater-than bracket
U+02997		⌢						\lblkbrbrak	left black tortoise shell bracket
U+029D8		⌘						\lvzigzag	left wiggly fence
U+029DA		⌘						\Lvzigzag	left double wiggly fence
U+029FC		⌢					⌢	\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

USV	M	S	E	X	P	L	G	Macro	Description
U+00021	!	!	!	!	!	!	!	\matheclam	exclamation mark
U+00029	)	)	)	)	)	)	)	\rparen	right parenthesis
U+0005D	]	]	]	]	]	]	]	\rbrack	right square bracket
U+0007D	}	}	}	}	}	}	}	\rbrace ^(p)	right curly bracket
U+02309	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rceil ^(p)	right ceiling
U+0230B	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rfloor ^(p)	right floor
U+0231D	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\urcorner	upper right corner
U+0231F	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lrcorner	lower right corner
U+023B1		⌋	⌋				⌋	\rmoustache ^(p)	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 ^(p)	mathematical right angle bracket
U+027EB	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\rAngle	mathematical right double angle bracket
U+027ED		⌋					⌋	\Rbrbrak	mathematical right white tortoise shell bracket
U+027EF	)	)	)		)	)	)	\rgroup^(p)	mathematical right flattened parenthesis
U+02984		⌋						\rBrace	right white curly bracket
U+02986		)						\rParen	right white parenthesis
U+02988		⌋					⌋	\rrparenthesis	z notation right image bracket

USV	M	S	E	X	P	L	G	Macro	Description
U+0298A		⟳						<code>\rrangle</code>	z notation right binding bracket
U+0298C		⌋						<code>\rbrackubar</code>	right square bracket with underbar
U+0298E		⌋						<code>\rbracklrtick</code>	right square bracket with tick in bottom corner
U+02990		⌋						<code>\rbrackurtick</code>	right square bracket with tick in top corner
U+02992		⟩						<code>\rangledot</code>	right angle bracket with dot
U+02994		⤵						<code>\rparengtr</code>	right arc greater-than bracket
U+02996		⤵						<code>\Rparenless</code>	double right arc less-than bracket
U+02998		)						<code>\rblkbbrbrak</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	X	P	L	G	Macro	Description
U+0007C	|	|	|	|	|	|	|	<code>\vert^(p)</code>	vertical bar
U+02016	||	||	||	||	||	||	||	<code>\Vert^(p)</code>	double vertical bar
U+02980		|||	|||	|||				<code>\Vvert</code>	triple vertical bar delimiter

4 Punctuation symbols, `\mathpunct`

USV	M	S	E	X	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	X	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^(p)</code>	top curly bracket (mathematical use)

6 ‘Under’ symbols, `\mathunder`

USV	M	S	E	X	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^(p)</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	X	P	L	G	Macro	Description
U+00300	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	\grave{x}	<code>\grave{p}</code>	grave accent
U+00301	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	\acute{x}	<code>\acute{p}</code>	acute accent
U+00302	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	\hat{x}	<code>\hat{p}</code>	circumflex accent
U+00303	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	\tilde{x}	<code>\tilde{p}</code>	tilde
U+00304	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	<code>\bar{p}</code>	macron
U+00305	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	\overline{x}	<code>\overbar</code>	overbar embellishment
U+00306	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	\breve{x}	<code>\breve{p}</code>	breve
U+00307	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	\dot{x}	<code>\dot{p}</code>	dot above
U+00308	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	<code>\ddot{p}</code>	dieresis
U+00309	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	<code>\ovhook</code>	combining hook above
U+0030A	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	$\overset{\circ}{x}$	<code>\ocirc</code>	ring
U+0030C	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	\check{x}	<code>\check{p}</code>	caron
U+00310		\check{x}					\check{x}	<code>\candra</code>	candrabindu (non-spacing)
U+00312		\check{x}					\check{x}	<code>\oturnedcomma</code>	combining turned comma above
U+00315		\check{x}					\check{x}	<code>\ocommatopright</code>	combining comma above right
U+0031A		\check{x}					\check{x}	<code>\droang</code>	left angle above (non-spacing)
U+020D0	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	\overleftarrow{x}	<code>\leftharpoonaccent</code>	combining left harpoon above
U+020D1	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	<code>\rightharpoonaccent</code>	combining right harpoon above
U+020D2	$\overline{\downarrow}$	$\overline{\downarrow}$	$\overline{\downarrow}$		$\overline{\downarrow}$		$\overline{\downarrow}$	<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	\overrightarrow{x}	<code>\vec{p}</code>	combining right arrow above

USV	M	S	E	X	P	L	G	Macro	Description
U+020DB	\ddot{x}	\ddot{y}	\ddot{z}	\ddot{X}	\ddot{Y}	\ddot{Z}	\ddot{x}	<code>\dddot</code>	combining three dots above
U+020DC	$\dot{\ddot{x}}$	$\dot{\ddot{y}}$	$\dot{\ddot{z}}$	$\dot{\ddot{X}}$	$\dot{\ddot{Y}}$	$\dot{\ddot{Z}}$	$\dot{\ddot{x}}$	<code>\ddddot</code>	combining four dots above
U+020E7		$\overline{\text{A}}$						<code>\annuity</code>	combining annuity symbol
U+020E9	$\overline{\text{x}}$	$\overline{\text{y}}$	$\overline{\text{z}}$	$\overline{\text{X}}$	$\overline{\text{Y}}$		$\overline{\text{x}}$	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{y}$	$\overset{*}{z}$		$\overset{*}{X}$		$\overset{*}{x}$	<code>\asteraccent</code>	combining asterisk above

8 Accents wide, `\mathaccentwide`

USV	M	S	E	X	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^(p)</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^(p)</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	$\overbreve{x+y}$	$\overbreve{x+y}$	$\overbreve{x+y}$	$\overbreve{x+y}$	$\overbreve{x+y}$	$\overbreve{x+y}$	$\overbreve{x+y}$	<code>\widebreve</code>	stretchy breve
U+0030C	$\overcheck{x+y}$	$\overcheck{x+y}$	$\overcheck{x+y}$	$\overcheck{x+y}$	$\overcheck{x+y}$	$\overcheck{x+y}$	$\overcheck{x+y}$	<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>\overleftharpoon</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>\overrightharpoon</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^(p)</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^(p)</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>\overleftrightharpoon</code>	combining left right arrow above

9 Bottom accents, `\mathbotaccent`

USV	M	S	E	X	P	L	G	Macro	Description
U+020E8	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$		$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\threeunderdot</code>	combining triple underdot


















































































10 Bottom accents wide, `\mathbotaccentwide`


































USV	M	S	E	X	P	L	G	Macro	Description
U+00330	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\wideutilde</code>	under tilde accent (multiple characters and non-spacing)
U+00332	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\mathunderbar</code>	combining low line
U+0034D	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\underleftrightharpoonrightarrow</code>	underleftrightharpoonrightarrow accent
U+020EC	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$		$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\underrightharpoonrightarrowdown</code>	combining rightwards harpoon with barb downwards
U+020ED	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$		$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\underleftharpoonrightarrowdown</code>	combining leftwards harpoon with barb downwards
U+020EE	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	<code>\underleftarrow</code>	combining left arrow below
U+020EF	$\textcolor{red}{x} + \textcolor{red}{y}$	$\textcolor{green}{x} + \textcolor{green}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	$\textcolor{teal}{x} + \textcolor{teal}{y}$	$\textcolor{brown}{x} + \textcolor{brown}{y}$	$\textcolor{violet}{x} + \textcolor{violet}{y}$	<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	X	P	L	G	Macro	Description
U+02140	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\sum}}$		$\overset{1}{\underset{0}{\sum}}$		$\overset{1}{\underset{0}{\sum}}$	\Bbbsum	double-struck n-ary summation
U+0220F	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\Pi}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\prod}}$	$\overset{1}{\underset{0}{\prod}}$	\prod ^(p)	product operator
U+02210	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	$\overset{1}{\underset{0}{\coprod}}$	\coprod ^(p)	coproduct operator
U+02211	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\Sigma}}$	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\sum}}$	$\overset{1}{\underset{0}{\sum}}$	\sum ^(p)	summation operator
U+0222B	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	\int ^(p)	integral operator
U+0222C	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	$\overset{1}{\underset{0}{\iint}}$	\iint	double integral operator
U+0222D	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	$\overset{1}{\underset{0}{\iiint}}$	\iiint	triple integral operator
U+0222E	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	\oint ^(p)	contour integral operator
U+0222F	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	$\overset{1}{\underset{0}{\oiint}}$	\oiint	double contour integral operator
U+02230	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	$\overset{1}{\underset{0}{\oiiint}}$	\oiiint	triple contour integral operator
U+02231	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	$\overset{1}{\underset{0}{\int}}$	\intclockwise	clockwise integral
U+02232	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	\varointclockwise	contour integral, clockwise
U+02233	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	$\overset{1}{\underset{0}{\oint}}$	\ointctrackwise	contour integral, anticlockwise
U+022C0	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	$\overset{1}{\underset{0}{\bigwedge}}$	\bigwedge ^(p)	logical and operator
U+022C1	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	$\overset{1}{\underset{0}{\bigvee}}$	\bigvee ^(p)	logical or operator

USV	M	S	E	X	P	L	G	Macro	Description
U+022C2								<code>\bigcap^(p)</code>	intersection operator
U+022C3								<code>\bigcup^(p)</code>	union operator
U+027D5								<code>\leftouterjoin</code>	left outer join
U+027D6								<code>\rightouterjoin</code>	right outer join
U+027D7								<code>\fullouterjoin</code>	full outer join
U+027D8								<code>\bigbot</code>	large up tack
U+027D9								<code>\bigtop</code>	large down tack
U+029F8								<code>\xsol</code>	big solidus
U+029F9								<code>\xbsol</code>	big reverse solidus
U+02A00								<code>\bigodot^(p)</code>	n-ary circled dot operator
U+02A01								<code>\bigoplus^(p)</code>	n-ary circled plus operator
U+02A02								<code>\bigotimes^(p)</code>	n-ary circled times operator
U+02A03								<code>\bigcupdot</code>	n-ary union operator with dot
U+02A04								<code>\biguplus^(p)</code>	n-ary union operator with plus
U+02A05								<code>\bigsqcap</code>	n-ary square intersection operator
U+02A06								<code>\bigsqcup^(p)</code>	n-ary square union operator
U+02A07								<code>\conjquant</code>	two logical and operator

USV	M	S	E	X	P	L	G	Macro	Description
U+02A08								<code>\disjquant</code>	two logical or operator
U+02A09								<code>\bigtimes</code>	n-ary times operator
U+02A0A								<code>\modtwosum</code>	modulo two sum
U+02A0B								<code>\sumint</code>	summation with integral
U+02A0C								<code>\iiint</code>	quadruple integral operator
U+02A0D								<code>\intbar</code>	finite part integral
U+02A0E								<code>\intBar</code>	integral with double stroke
U+02A0F								<code>\fint</code>	integral average with slash
U+02A10								<code>\cirfnint</code>	circulation function
U+02A11								<code>\awint</code>	anticlockwise integration
U+02A12								<code>\rppointint</code>	line integration with rectangular path around pole
U+02A13								<code>\scpointint</code>	line integration with semicircular path around pole
U+02A14								<code>\npointint</code>	line integration not including the pole
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

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

12 Binary relations, `\mathbin`

USV	M	S	E	X	P	L	G	Macro	Description
U+0002B								<code>\mathplus</code>	plus sign b:

USV	M	S	E	X	P	L	G	Macro	Description
U+000B1	±	±	±	±	±	±	±	<code>\pm^(p)</code>	plus-or-minus sign
U+000B7	·	·	·	·	·	·	·	<code>\centerdot^(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>\smbllkcircle</code>	/bullet b: round bullet, filled
U+02040		⤵		⤵				<code>\tieconcat</code>	character tie, z notation sequence concatenation
U+02044	/	/	/	/	/	/	/	<code>\fracslash</code>	fraction slash
U+0214B		↯	↯	↯			↯	<code>\upand</code>	turned ampersand
U+02212	−	−	−	−	−	−	−	<code>\minus</code>	minus sign
U+02213	∓	∓	∓	∓	∓	∓	∓	<code>\mp^(p)</code>	minus-or-plus sign
U+02214	⊕	⊕	⊕	⊕	⊕	⊕	⊕	<code>\dotplus^(a)</code>	plus sign, dot above
U+02215	/	/	/	/	/	/	/	<code>\divslash</code>	division slash
U+02216	∖	∖	∖	∖	∖	∖	∖	<code>\smallsetminus^(a)</code>	small set minus (cf. reverse solidus)
U+02217	*	*	*	*	*	*	*	<code>\ast^(p)</code>	centered asterisk
U+02218	∘	∘	∘	∘	∘	∘	∘	<code>\vysmwhtcircle</code>	composite function (small circle)
U+02219	●	●	●	●	●	●	●	<code>\vysmbllkcircle</code>	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	<code>\wedge^(p)</code>	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	<code>\vee^(p)</code>	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩	∩	<code>\cap^(p)</code>	intersection
U+0222A	∪	∪	∪	∪	∪	∪	∪	<code>\cup^(p)</code>	union or logical sum

usv	M	S	E	X	P	L	G	Macro	Description
U+02238	÷	÷	÷	÷	÷	÷	÷	<code>\dotminus</code>	minus sign, dot above
U+0223E	∞	∞	∞	∞	∞	∞	∞	<code>\invlazys</code>	most positive [inverted lazy s]
U+02240	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\wr^(p)</code>	wreath product
U+0228C	⊍	⊍	⊍	⊍	⊍	⊍	⊍	<code>\cupleftarrow</code>	multiset
U+0228D	⊍	⊍	⊍	⊍	⊍	⊍	⊍	<code>\cupdot</code>	union, with dot
U+0228E	⊍	⊍	⊍	⊍	⊍	⊍	⊍	<code>\uplus^(p)</code>	plus sign in union
U+02293	⊓	⊓	⊓	⊓	⊓	⊓	⊓	<code>\sqcap^(p)</code>	square intersection
U+02294	⊔	⊔	⊔	⊔	⊔	⊔	⊔	<code>\sqcup^(p)</code>	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕	⊕	<code>\oplus^(p)</code>	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖	⊖	<code>\ominus^(p)</code>	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗	⊗	<code>\otimes^(p)</code>	multiply sign in circle
U+02298	⊘	⊘	⊘	⊘	⊘	⊘	⊘	<code>\oslash^(p)</code>	solidus in circle
U+02299	⊙	⊙	⊙	⊙	⊙	⊙	⊙	<code>\odot^(p)</code>	middle dot in circle
U+0229A	⊚	⊚	⊚	⊚	⊚	⊚	⊚	<code>\circledcirc^(a)</code>	small circle in circle
U+0229B	⊛	⊛	⊛	⊛	⊛	⊛	⊛	<code>\circledast^(a)</code>	asterisk in circle
U+0229C	⊜	⊜	⊜	⊜	⊜	⊜	⊜	<code>\circledequal</code>	equal in circle
U+0229D	⊝	⊝	⊝	⊝	⊝	⊝	⊝	<code>\circleddash^(a)</code>	hyphen in circle
U+0229E	⊞	⊞	⊞	⊞	⊞	⊞	⊞	<code>\boxplus^(a)</code>	plus sign in box
U+0229F	⊟	⊟	⊟	⊟	⊟	⊟	⊟	<code>\boxminus^(a)</code>	minus sign in box
U+022A0	⊠	⊠	⊠	⊠	⊠	⊠	⊠	<code>\boxtimes^(a)</code>	multiply sign in box
U+022A1	⊡	⊡	⊡	⊡	⊡	⊡	⊡	<code>\boxdot^(a)</code>	/dotsquare /boxdot b: small dot in box
U+022BA	⌢	⌢	⌢	⌢	⌢		⌢	<code>\intercal^(a)</code>	intercal

USV	M	S	E	X	P	L	G	Macro	Description
U+022BB	∨	∨	∨	∨	∨		∨	<code>\veebar^(a)</code>	logical or, bar below (large vee); exclusive disjunction
U+022BC	⋈	⋈	⋈	⋈	⋈		⋈	<code>\barwedge^(a)</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^(p)</code>	small middle dot
U+022C6	★	★	★	★	★	★	★	<code>\star^(p)</code>	small star, filled, low
U+022C7	⋈	⋈	⋈	⋈	⋈		⋈	<code>\divideontimes^(a)</code>	division on times
U+022C9	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\ltimes^(a)</code>	times sign, left closed
U+022CA	⌞	⌞	⌞	⌞	⌞	⌞	⌞	<code>\rtimes^(a)</code>	times sign, right closed
U+022CB	⋈	⋈	⋈	⋈	⋈		⋈	<code>\leftthreetimes^(a)</code>	left semidirect product
U+022CC	⋈	⋈	⋈	⋈	⋈		⋈	<code>\rightthreetimes^(a)</code>	right semidirect product
U+022CE	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\curlyvee^(a)</code>	curly logical or
U+022CF	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\curlywedge^(a)</code>	curly logical and
U+022D2	⋈	⋈	⋈	⋈	⋈		⋈	<code>\Cap^(a)</code>	/cap /doublecap b: double intersection
U+022D3	⋈	⋈	⋈	⋈	⋈		⋈	<code>\Cup^(a)</code>	/cup /doublecup b: double union
U+02305	⋈	⋈	⋈		⋈			<code>\varbarwedge</code>	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306	⋈	⋈	⋈		⋈			<code>\vardoublebarwedge</code>	/doublebarwedge b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		⊖						<code>\obar</code>	circle with vertical bar
U+025B3	△	△	△	△	△	△	△	<code>\bigtriangleup^(p)</code>	big up triangle, open
U+025B7	▷	▷	▷	▷	▷	▷	▷	<code>\triangleright^(p)</code>	(large) right triangle, open; z notation range restriction

USV	M	S	E	X	P	L	G	Macro	Description
U+025C1								<code>\triangleleft^(p)</code>	(large) left triangle, open; z notation domain restriction
U+025CB								<code>\mdlgwhtcircle</code>	medium large circle
U+025EB								<code>\boxbar</code>	vertical bar in box
U+027C7								<code>\veedot</code>	or with dot inside
U+027D1								<code>\wedgedot</code>	and with dot
U+027E0								<code>\lozengeminus</code>	lozenge divided by horizontal rule
U+027E1								<code>\concavediamond</code>	white concave-sided diamond
U+027E2								<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3								<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick
U+027E4								<code>\whitesquaretickleft</code>	white square with leftwards tick
U+027E5								<code>\whitesquaretickright</code>	white square with rightwards tick
U+029B5								<code>\circlehbar</code>	circle with horizontal bar
U+029B6								<code>\circledvert</code>	circled vertical bar
U+029B7								<code>\circledparallel</code>	circled parallel
U+029B8								<code>\obslash</code>	circled reverse solidus
U+029B9								<code>\operp</code>	circled perpendicular
U+029C0								<code>\olessthan</code>	circled less-than
U+029C1								<code>\ogreaterthan</code>	circled greater-than
U+029C4								<code>\boxdiag</code>	squared rising diagonal slash
U+029C5								<code>\boxbslash</code>	squared falling diagonal slash
U+029C6								<code>\boxast</code>	squared asterisk

USV	M	S	E	X	P	L	G	Macro	Description
U+029C7		◻						<code>\boxcircle</code>	squared small circle
U+029C8		◻						<code>\boxbox</code>	squared square
U+029CD		△						<code>\trianglesterifs</code>	triangle with serifs at bottom
U+029D6		⌘						<code>\hourglass</code>	white hourglass
U+029D7		⌘						<code>\blackhourglass</code>	black hourglass
U+029E2		⌞						<code>\shuffle</code>	shuffle product
U+029EB		◆	◆	◆				<code>\mdlgblklozenge</code>	black lozenge
U+029F5		\	/	/		/	/	<code>\setminus^(p)</code>	reverse solidus operator
U+029F6		⌋				⌋		<code>\dsol</code>	solidus with overbar
U+029F7		⌋				⌋		<code>\rsolbar</code>	reverse solidus with horizontal stroke
U+029FA		⦶						<code>\doubleplus</code>	double plus
U+029FB		⦶						<code>\tripleplus</code>	triple plus
U+029FE		+						<code>\tplus</code>	tiny
U+029FF		—						<code>\tminus</code>	miny
U+02A22		⊕						<code>\ringplus</code>	plus sign with small circle above
U+02A23		⊕						<code>\plushat</code>	plus sign with circumflex accent above
U+02A24		⊕						<code>\simplus</code>	plus sign with tilde above
U+02A25		⊕						<code>\plusdot</code>	plus sign with dot below
U+02A26		⊕						<code>\plussim</code>	plus sign with tilde below
U+02A27		⊕						<code>\plussubtwo</code>	plus sign with subscript two
U+02A28		⊕						<code>\plustrif</code>	plus sign with black triangle
U+02A29		⊖						<code>\commaminus</code>	minus sign with comma above

USV	M	S	E	X	P	L	G	Macro	Description
U+02A2A		$\dot{-}$						<code>\minusdot</code>	minus sign with dot below
U+02A2B		$\dot{\bar{-}}$						<code>\minusfdots</code>	minus sign with falling dots
U+02A2C		$\dot{\bar{-}}$						<code>\minusrdots</code>	minus sign with rising dots
U+02A2D		\oplus						<code>\opluslhrim</code>	plus sign in left half circle
U+02A2E		\oplus						<code>\oplusrhrim</code>	plus sign in right half circle
U+02A2F	✖	✖	✖	✖	✖		✖	<code>\vectimes</code>	vector or cross product
U+02A30		$\dot{\times}$						<code>\dottimes</code>	multiplication sign with dot above
U+02A31		\times						<code>\timesbar</code>	multiplication sign with underbar
U+02A32		\ltimes						<code>\btimes</code>	semidirect product with bottom closed
U+02A33		\rtimes						<code>\smashtimes</code>	smash product
U+02A34		\ltimes						<code>\otimeslhrim</code>	multiplication sign in left half circle
U+02A35		\rtimes						<code>\otimesrhrim</code>	multiplication sign in right half circle
U+02A36		$\hat{\otimes}$					$\hat{\otimes}$	<code>\otimeseshat</code>	circled multiplication sign with circumflex accent
U+02A37		\otimes						<code>\Otimes</code>	multiplication sign in double circle
U+02A38		\oslash						<code>\odiv</code>	circled division sign
U+02A39		\triangleplus						<code>\triangleplus</code>	plus sign in triangle
U+02A3A		\triangleminus						<code>\triangleminus</code>	minus sign in triangle
U+02A3B		$\triangle\times$						<code>\triangleletimes</code>	multiplication sign in triangle
U+02A3C		\lrcorner						<code>\intprod</code>	interior product
U+02A3D		\llcorner						<code>\intprodr</code>	righthand interior product

USV	M	S	E	X	P	L	G	Macro	Description
U+02A3E		;				;		\fcmp	z notation relational composition
U+02A3F	II	II	II	II	II	II	II	\amalg ^(p)	amalgamation or coproduct
U+02A40		∩						\capdot	intersection with dot
U+02A41		∪						\uminus	union with minus sign
U+02A42		∪						\barcup	union with overbar
U+02A43		∩						\barcap	intersection with overbar
U+02A44		∩						\capwedge	intersection with logical and
U+02A45		∪						\cupvee	union with logical or
U+02A46		∪ ∩						\cupovercap	union above intersection
U+02A47		∩ ∪						\capovercup	intersection above union
U+02A48		∪ ∩						\cupbarcap	union above bar above intersection
U+02A49		∩ ∪						\capbarcup	intersection above bar above union
U+02A4A		∪						\twocups	union beside and joined with union
U+02A4B		∩						\twocaps	intersection beside and joined with intersection
U+02A4C		∪						\closedvarcup	closed union with serifs
U+02A4D		∩						\closedvarcap	closed intersection with serifs
U+02A4E		∩						\Sqcap	double square intersection
U+02A4F		∪						\Sqcup	double square union
U+02A50		∩						\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51		∧						\wedgeodot	logical and with dot above
U+02A52		∨						\veeodot	logical or with dot above

USV	M	S	E	X	P	L	G	Macro	Description
U+02A53		↗						<code>\Wedge</code>	double logical and
U+02A54		↘						<code>\Vee</code>	double logical or
U+02A55		↗↘						<code>\wedgeonwedge</code>	two intersecting logical and
U+02A56		↗↘						<code>\veeonvee</code>	two intersecting logical or
U+02A57		↗						<code>\bigslopedvee</code>	sloping large or
U+02A58		↗						<code>\bigslopedwedge</code>	sloping large and
U+02A5A		↗						<code>\wedgemidvert</code>	logical and with middle stem
U+02A5B		↘						<code>\veemidvert</code>	logical or with middle stem
U+02A5C		↗						<code>\midbarwedge</code>	logical and with horizontal dash
U+02A5D		↘						<code>\midbarvee</code>	logical or with horizontal dash
U+02A5E		↗	↗	↗				<code>\doublebarwedge^(a)</code>	logical and with double overbar
U+02A5F		↗	↗	↗				<code>\wedgebar</code>	logical and with underbar
U+02A60		↗						<code>\wedgedoublebar</code>	logical and with double underbar
U+02A61		↘						<code>\varveebar</code>	small vee with underbar
U+02A62		↗						<code>\doublebarvee</code>	logical or with double overbar
U+02A63		↘						<code>\veedoublebar</code>	logical or with double underbar
U+02A64		↗						<code>\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

USV	M	S	E	X	P	L	G	Macro	Description
U+02AF5		≡						\nhVvert	triple vertical bar with horizontal stroke
U+02AF6		⋮						\threedotcolon	triple colon operator
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	X	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 ^(p)	reverse solidus
U+000A3	£	£	£	£	£	£	£	\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥	¥	\mathyen	yen sign
U+000A7	§	§	§	§	§	§	§	\mathsection	section symbol
U+000AC	¬	¬	¬	¬	¬	¬	¬	\neg ^(p)	/neg /lnot not sign
U+000B6	¶	¶	¶	¶	¶	¶	¶	\mathparagraph	paragraph symbol
U+001B5		Z	Z	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)
U+02026	\unicodeellipsis	ellipsis (horizontal)

usv	M	S	E	X	P	L	G	Macro	Description
U+02032	'	'	'	'	'	'	'	\prime ^(p)	prime or minute, not superscripted
U+02033	"	"		"	"	"	"	\dprime	double prime or second, not superscripted
U+02034	'''	'''		'''	'''	'''	'''	\trprime	triple prime (not superscripted)
U+02035	\	\	\	\	\	\	\	\backprime ^(a)	reverse prime, not superscripted
U+02036	"	"		"	"	"	"	\backdprime	double reverse prime, not superscripted
U+02037	'''	'''		'''	'''	'''	'''	\backtrprime	triple reverse prime, not superscripted
U+02038		^						\caretinsert	caret (insertion mark)
U+0203C		!!				!!		\Exclam	double exclamation mark
U+02043		▪						\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??				??		\Question	double question mark
U+02057	''''	''''		''''	''''	''''	''''	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	◯	◯	◯	◯	◯		◯	\enclosecircle	combining enclosing circle
U+020DE	◻	◻	◻	◻	◻		◻	\enclosesquare	combining enclosing square
U+020DF	◊	◊	◊	◊	◊		◊	\enclosediamond	combining enclosing diamond
U+020E4	△	△	△	△	△		△	\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℰ	ℰ	ℰ	ℰ	ℰ		ℰ	\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	\mho	conductance
U+02132		ℱ	ℱ	ℱ				\Finv ^(a)	turned capital f

USV	M	S	E	X	P	L	G	Macro	Description
U+0213C	𐤛	𐤛	𐤛		𐤛		𐤛	\Bbbpi	double-struck small pi
U+02141		᠖	᠖	᠖				\Game ^(a)	turned sans-serif capital g
U+02142		᠒						\sansLturned	turned sans-serif capital l
U+02143		᠒						\sansLmirrored	reversed sans-serif capital l
U+02144		ʎ						\Yup	turned sans-serif capital y
U+02145	᠔	᠔	᠔		᠔		᠔	\mitBbbD	double-struck italic capital d
U+02146	᠔	᠔	᠔		᠔		᠔	\mitBbbd	double-struck italic small d
U+02147	᠔	᠔	᠔		᠔		᠔	\mitBbbe	double-struck italic small e
U+02148	᠔	᠔	᠔		᠔		᠔	\mitBbbi	double-struck italic small i
U+02149	᠔	᠔	᠔		᠔		᠔	\mitBbbj	double-struck italic small j
U+0214A		᠔						\PropertyLine	property line
U+021A8		↕				↕	↕	\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↵	↵	↵		↵	↵	↵	\linefeed	rightwards arrow with corner downwards
U+021B5	↵	↵	↵		↵	↵	↵	\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8		↖				↖	↖	\barovernorthwestarrow	north west arrow to long bar
U+021B9		↔				↔	↔	\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↻	↻	↻	↻	↻	↻	↻	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻	\cwopencirclearrow	clockwise open circle arrow
U+021DE		⇑				⇑	⇑	\nHuparrow	upwards arrow with double stroke
U+021DF		⇓				⇓	⇓	\nHdownarrow	downwards arrow with double stroke
U+021E0		↔	↔			↔	↔	\leftdasharrow	leftwards dashed arrow
























































USV	M	S	E	X	P	L	G	Macro	Description
U+021E1		↗	↖			↗	↖	<code>\updasharrow</code>	upwards dashed arrow
U+021E2		↘	↙			↘	↙	<code>\righdasharrow</code>	rightwards dashed arrow
U+021E3		↘	↙			↘	↙	<code>\downdasharrow</code>	downwards dashed arrow
U+021E6	↩	↩	↩		↩	↩	↩	<code>\leftwhitearrow</code>	leftwards white arrow
U+021E7	↗	↗	↗		↗	↗	↗	<code>\upwhitearrow</code>	upwards white arrow
U+021E8	↘	↘	↘		↘	↘	↘	<code>\rightwhitearrow</code>	rightwards white arrow
U+021E9	↘	↘	↘		↘	↘	↘	<code>\downwhitearrow</code>	downwards white arrow
U+021EA		↗				↗	↖	<code>\whitearrowupfrombar</code>	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	<code>\forall</code> ^(p)	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	<code>\complement</code> ^(a)	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	<code>\exists</code> ^(p)	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	<code>\nexists</code> ^(a)	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	<code>\varnothing</code> ^(a)	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> ^(p)	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	<code>\infty</code> ^(p)	infinity
U+0221F	┐	┐	┐	┐	┐	┐	┐	<code>\rightangle</code>	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠	∠	<code>\angle</code> ^(p)	angle
U+02221	∡	∡	∡	∡	∡	∡	∡	<code>\measuredangle</code> ^(a)	angle-measured
U+02222	∢	∢	∢	∢	∢	∢	∢	<code>\sphericalangle</code> ^(a)	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴	∴	<code>\therefore</code> ^(a)	therefore

USV	M	S	E	X	P	L	G	Macro	Description
U+02235	⋈	⋉	⋊	⋋	⋌	⋍	⋎	\because ^(a)	because
U+0223F	⋗	⋘	⋙	⋚	⋛	⋜	⋝	\sinewave	sine wave
U+022A4	⤴	⤵	⤶	⤷	⤸	⤹	⤺	\top ^(p)	top
U+022A5	⤵	⤶	⤷	⤸	⤹	⤺	⤻	\bot ^(p)	bottom
U+022B9	⤿	⥀	⥁	⥂	⥃		⥄	\hermitmatrix	hermitian conjugate matrix
U+022BE	⤿	⥀	⥁	⥂	⥃		⥄	\measuredrightangle	right angle-measured [with arc]
U+022BF	⤿	⥀	⥁	⥂	⥃		⥄	\varlrtriangle	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\unicodcdots	three dots, centered
U+02300	⌀	⌀	⌀	⌀	⌀	⌀	⌀	\diameter	diameter sign
U+02302		🏠				🏠		\house	house
U+02310	⌞	⌞	⌞	⌞	⌞	⌞	⌞	\invnot	reverse not
U+02311		◻						\sqlozenge	square lozenge
U+02312		⤿						\proffline	profile of a line
U+02313		⤿						\profsurf	profile of a surface
U+02317		⌘						\viewdata	viewdata square
U+02319	⌞	⌞	⌞	⌞	⌞		⌞	\turnednot	turned not sign
U+02320	∫	∫	∫	∫	∫	∫		\inttop	top half integral
U+02321	∫	∫	∫	∫	∫	∫		\intbottom	bottom half integral
U+0232C		⬡						\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		▶						\conictaper	conical taper
U+02336		⌈						\topbot	top and bottom





















usv	M	S	E	X	P	L	G	Macro	Description
U+02340		↱						\APLnotbackslash	apl functional symbol backslash bar
U+02353		⌈						\APLboxupcaret	boxed up caret
U+02370		?						\APLboxquestion	boxed question mark
U+0237C		⌞						\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394		⬡						\hexagon	horizontal benzene ring [hexagon flat open]
U+0239B	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lparenuend	left parenthesis upper hook
U+0239C	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lparenextender	left parenthesis extension
U+0239D	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lparenlend	left parenthesis lower hook
U+0239E	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\rparenuend	right parenthesis upper hook
U+0239F	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\rparenextender	right parenthesis extension
U+023A0	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\rparenlend	right parenthesis lower hook
U+023A1	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lbrackuend	left square bracket upper corner
U+023A2	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lbrackextender	left square bracket extension
U+023A3	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\lbracklend	left square bracket lower corner
U+023A4	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\rbrackuend	right square bracket upper corner
U+023A5	⌿	⌿	⌿	⌿	⌿	⌿	⌿	\rbrackextender	right square bracket extension































USV	M	S	E	X	P	L	G	Macro	Description
U+023A6	┐	┌	└	┘	┤	├	┴	<code>\rbracklend</code>	right square bracket lower corner
U+023A7	⌈	⌊	⌋	⌌	⌍	⌎	⌏	<code>\lbraceuend</code>	left curly bracket upper hook
U+023A8	⌈	⌊	⌋	⌌	⌍	⌎	⌏	<code>\lbracemid</code>	left curly bracket middle piece
U+023A9	⌋	⌌	⌍	⌎	⌏	⌐	⌑	<code>\lbracelend</code>	left curly bracket lower hook
U+023AA	⌌	⌍	⌎	⌏	⌐	⌑	⌒	<code>\vbraceextender</code>	curly bracket extension
U+023AB	⌋	⌌	⌍	⌎	⌏	⌐	⌑	<code>\rbraceuend</code>	right curly bracket upper hook
U+023AC	⌋	⌌	⌍	⌎	⌏	⌐	⌑	<code>\rbracemid</code>	right curly bracket middle piece
U+023AD	⌋	⌌	⌍	⌎	⌏	⌐	⌑	<code>\rbracelend</code>	right curly bracket lower hook
U+023AE		⌌	⌍	⌎	⌏	⌐	⌑	<code>\intextender</code>	integral extension
U+023AF		—	—	—		—		<code>\harrowextender</code>	horizontal line extension (used to extend arrows)
U+023B2	∑	∑	∑		∑			<code>\sumtop</code>	summation top
U+023B3	∑	∑	∑		∑			<code>\sumbottom</code>	summation bottom
U+023B6		⌌						<code>\bbrktbrk</code>	bottom square bracket over top square bracket
U+023B7	√	√	√	√	√	√	√	<code>\sqrtbottom</code>	radical symbol bottom
U+023B8		⌌						<code>\lvboxline</code>	left vertical box line
U+023B9		⌍						<code>\rvboxline</code>	right vertical box line

USV	M	S	E	X	P	L	G	Macro	Description
U+023CE		↵						\varcarriagereturn	return symbol
U+023E0	⤴	⤵			⤶		⤷	\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1	⤵	⤶			⤷		⤸	\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2		▤						\trapezium	white trapezium
U+023E3		⬢						\benzenr	benzene ring with circle
U+023E4		—						\strns	straightness
U+023E5		▭						\fltns	flatness
U+023E6		⚡						\accurrent	ac current
U+023E7		⚡						\elinters	electrical intersection
U+02422	␣	␣	␣	␣	␣			\blanksymbol	blank symbol
U+02423	␣	␣	␣	␣	␣	␣		\mathvisiblespace	open box
U+02506		⋮						\bdtriplevdash	doubly broken vert
U+02580		■						\blockuphalf	upper half block
U+02584		■						\blocklowhalf	lower half block
U+02588	■	■			■		■	\blockfull	full block
U+0258C		■						\blocklefthalf	left half block
U+02590		■						\blockrighthalf	right half block
U+02591	▤	▤			▤			\blockqtrshaded	25% shaded block
U+02592	▤	▤			▤			\blockhalfshaded	50% shaded block
U+02593	▤	▤			▤			\blockthreeqtrshaded	75% shaded block
U+025A0	■	■	■	■	■	■	■	\mdlgbllsquare	square, filled
U+025A1	□	□	□	□	□	□	□	\mdlgwhtsquare	square, open

USV	M	S	E	X	P	L	G	Macro	Description
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>\squareswnefill</code>	square, ne-to-sw rule filled
U+025A9								<code>\squarecrossfill</code>	square with diagonal crosshatch fill
U+025AA								<code>\smbksquare</code>	/blacksquare - sq bullet, filled
U+025AB								<code>\smwhsquare</code>	white small square
U+025AC								<code>\hrectangleblack</code>	black rectangle
U+025AD								<code>\hrectangle</code>	horizontal rectangle, open
U+025AE								<code>\vrectangleblack</code>	black vertical rectangle
U+025AF								<code>\vrectangle</code>	rectangle, white (vertical)
U+025B0								<code>\parallelogramblack</code>	black parallelogram
U+025B1								<code>\parallelogram</code>	parallelogram, open
U+025B2								<code>\bigblacktriangleup</code>	black up-pointing triangle
U+025B4								<code>\blacktriangle^(a)</code>	up triangle, filled
U+025B6								<code>\blacktriangleright^(a)</code>	(large) right triangle, filled
U+025B8								<code>\smallblacktriangleright</code>	right triangle, filled
U+025B9								<code>\smalltriangleright</code>	right triangle, open

USV	M	S	E	X	P	L	G	Macro	Description
U+025BA		▶						<code>\blackpointerright</code>	black right-pointing pointer
U+025BB		▷						<code>\whitepointerright</code>	white right-pointing pointer
U+025BC	▼	▼	▼	▼	▼	▼	▼	<code>\bigblacktriangledown</code>	big down triangle, filled
U+025BD	▽	▽	▽	▽	▽	▽	▽	<code>\bigtriangledown^(p)</code>	big down triangle, open
U+025BE		▼	▼	▼				<code>\blacktriangledown^(a)</code>	down triangle, filled
U+025BF		▽	▽	▽				<code>\triangledown^(a)</code>	down triangle, open
U+025C0	◀	◀	◀	◀	◀	◀	◀	<code>\blacktriangleleft^(a)</code>	(large) left triangle, filled
U+025C2		◀	◀	◀				<code>\smallblacktriangleleft</code>	left triangle, filled
U+025C3		◁	◁	◁				<code>\smalltriangleleft</code>	left triangle, open
U+025C4		◄						<code>\blackpointerleft</code>	black left-pointing pointer
U+025C5		◅						<code>\whitepointerleft</code>	white left-pointing pointer
U+025C6		◆	◆	◆		◆	◆	<code>\mdlgblkdiamond</code>	black diamond
U+025C7		◇	◇	◇		◇	◇	<code>\mdlgwhtdiamond</code>	white diamond; diamond, open
U+025C8		◈					◈	<code>\blackinwhitediamond</code>	white diamond containing black small diamond
U+025C9		◎				◎	◎	<code>\fisheye</code>	fisheye
U+025CA	◊	◊	◊	◊	◊	◊	◊	<code>\mdlgwhtlozenge</code>	lozenge or total mark
U+025CC		⦿						<code>\dottedcircle</code>	dotted circle
U+025CD		⦶						<code>\circlevertfill</code>	circle with vertical fill
U+025CE		◎				◎	◎	<code>\bullseye</code>	bullseye
U+025CF	●	●	●	●	●	●	●	<code>\mdlgblkcircle</code>	circle, filled
U+025D0		◐				◐	◐	<code>\circlelefthalfblack</code>	circle, filled left half [harvey ball]
U+025D1		◑				◑	◑	<code>\circlerighthalfblack</code>	circle, filled right half


















USV	M	S	E	X	P	L	G	Macro	Description
U+025D2								<code>\circlebottomhalfblack</code>	circle, filled bottom half
U+025D3								<code>\circletophalfblack</code>	circle, filled top half
U+025D4								<code>\circleurquadblack</code>	circle with upper right quadrant black
U+025D5								<code>\blackcircleulquadwhite</code>	circle with all but upper left quadrant black
U+025D6								<code>\blacklefthalfcircle</code>	left half black circle
U+025D7								<code>\blackrighthalfcircle</code>	right half black circle
U+025D8								<code>\inversebullet</code>	inverse bullet
U+025D9								<code>\inversewhitecircle</code>	inverse white circle
U+025DA								<code>\invwhiteupperhalfcircle</code>	upper half inverse white circle
U+025DB								<code>\invwhitelowerhalfcircle</code>	lower half inverse white circle
U+025DC								<code>\ularc</code>	upper left quadrant circular arc
U+025DD								<code>\urarc</code>	upper right quadrant circular arc
U+025DE								<code>\lrarc</code>	lower right quadrant circular arc
U+025DF								<code>\llarc</code>	lower left quadrant circular arc
U+025E0								<code>\topsemicircle</code>	upper half circle
U+025E1								<code>\botsemicircle</code>	lower half circle
U+025E2								<code>\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


USV	M	S	E	X	P	L	G	Macro	Description
U+025E7								<code>\squareleftblack</code>	square, filled left half
U+025E8								<code>\squarerightblack</code>	square, filled right half
U+025E9								<code>\squareulblack</code>	square, filled top left corner
U+025EA								<code>\squarelrblack</code>	square, filled bottom right corner
U+025EC								<code>\trianglecdot</code>	triangle with centered dot
U+025ED								<code>\triangleleftblack</code>	up-pointing triangle with left half black
U+025EE								<code>\trianglerightblack</code>	up-pointing triangle with right half black
U+025EF								<code>\lgwhtcircle</code>	large circle
U+025F0								<code>\squareulquad</code>	white square with upper left quadrant
U+025F1								<code>\squarellquad</code>	white square with lower left quadrant
U+025F2								<code>\squarelrquad</code>	white square with lower right quadrant
U+025F3								<code>\squareurquad</code>	white square with upper right quadrant
U+025F4								<code>\circleulquad</code>	white circle with upper left quadrant
U+025F5								<code>\circlellquad</code>	white circle with lower left quadrant
U+025F6								<code>\circlelrquad</code>	white circle with lower right quadrant
U+025F7								<code>\circleurquad</code>	white circle with upper right quadrant
U+025F8								<code>\ultriangle</code>	upper left triangle
U+025F9								<code>\urtriangle</code>	upper right triangle
U+025FA								<code>\lltriangle</code>	lower left triangle

USV	M	S	E	X	P	L	G	Macro	Description
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
U+02605		★	★	★		★	★	\bigstar ^(a)	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 ^(p)	spades suit symbol
U+02661	♥	♥	♥	♥	♥	♥		\heartsuit ^(p)	heart suit symbol
U+02662	♦	♦	♦	♦	♦	♦		\diamondsuit ^(p)	diamond suit symbol
U+02663	♣	♣	♣	♣	♣	♣		\clubsuit ^(p)	club suit symbol
U+02664	♠	♠	♠		♠	♠		\varspadesuit	spade, white (card suit)
U+02665	♥	♥	♥	♥	♥	♥		\varheartsuit	filled heart (card suit)
U+02666	♦	♦	♦	♦	♦	♦		\vardiamondsuit	filled diamond (card suit)






















USV	M	S	E	X	P	L	G	Macro	Description
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
U+0266D	♭	♭	♭	♭	♭	♭		\flat ^(p)	musical flat
U+0266E	♮	♮	♮	♮	♮	♮		\natural ^(p)	music natural
U+0266F	♯	♯	♯	♯	♯	♯		\sharp ^(p)	musical sharp
U+0267E		♾					♾	\acidfree	permanent paper sign
U+02680		🎲						\dicei	die face-1
U+02681		🎲						\diceii	die face-2
U+02682		🎲						\diceiii	die face-3
U+02683		🎲						\diceiv	die face-4
U+02684		🎲						\dicev	die face-5
U+02685		🎲						\dicevi	die face-6
U+02686		◉						\circledrightdot	white circle with dot right
U+02687		◉						\circledtwodots	white circle with two dots
U+02688		◉						\blackcircledrightdot	black circle with white dot right
U+02689		◉						\blackcircledtwodots	black circle with two white dots
U+026A5		♂				♂		\Hermaphrodite	male and female sign
U+026AA		◯	◯	◯				\mdwhtcircle	medium white circle
U+026AB		●	●	●				\mdblkcircle	medium black circle
U+026AC		◯	◯	◯		◯		\mdsmwhtcircle	medium small white circle

























































USV	M	S	E	X	P	L	G	Macro	Description
U+026B2		♀						\neuter	neuter
U+02713	✓	✓	✓	✓	✓			\checkmark	tick, check mark
U+02720	✠	✠	✠	✠	✠			\maltese	maltese cross
U+0272A		★						\circledstar	circled white star
U+02736		✳						\varstar	six pointed black star
U+0273D		✳						\dingasterisk	heavy teardrop-spoked asterisk
U+0279B		➤						\draftingarrow	right arrow with bold head (drafting)
U+027C0		∟						\threedangle	three dimensional angle
U+027C1		△						\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3		⊆						\subsetcirc	open subset
U+027C4		⊇						\supsetcirc	open superset
U+027D0		◊						\diamondcdot	white diamond with centred dot
U+0292B		✕						\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C		✕						\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D		↗						\seovnearrow	south east arrow crossing north east arrow
U+0292E		↗						\neovsearrow	north east arrow crossing south east arrow
U+0292F		↗						\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930		✕						\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931		↗						\neovnwarrow	north east arrow crossing north west arrow

usv	M	S	E	X	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>\mdsmbllkcircle</code>	z notation spot
U+02999								<code>\fourvdots</code>	dotted fence
U+0299A								<code>\vzigzag</code>	vertical zigzag line
U+0299B								<code>\measuredangleleft</code>	measured angle opening left
U+0299C								<code>\rightanglesqr</code>	right angle variant with square
U+0299D								<code>\rightanglemdot</code>	measured right angle with dot
U+0299E								<code>\angles</code>	angle with s inside
U+0299F								<code>\angdnr</code>	acute angle
U+029A0								<code>\gtlpar</code>	spherical angle opening left
U+029A1								<code>\sphericalangleup</code>	spherical angle opening up
U+029A2								<code>\turnangle</code>	turned angle
U+029A3								<code>\revangle</code>	reversed angle
U+029A4								<code>\angleubar</code>	angle with underbar
U+029A5								<code>\revangleubar</code>	reversed angle with underbar
U+029A6								<code>\wideangledown</code>	oblique angle opening up
U+029A7								<code>\wideangleup</code>	oblique angle opening down
U+029A8								<code>\measanglerutone</code>	measured angle with open arm ending in arrow pointing up and right

USV	M	S	E	X	P	L	G	Macro	Description
U+029A9								<code>\measanglelutonw</code>	measured angle with open arm ending in arrow pointing up and left
U+029AA								<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
U+029AB								<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
U+029AC								<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
U+029AD								<code>\measangleultonw</code>	measured angle with open arm ending in arrow pointing left and up
U+029AE								<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down
U+029AF								<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0								<code>\reemptyset</code>	reversed empty set
U+029B1								<code>\emptysettoabar</code>	empty set with overbar
U+029B2								<code>\emptysettocirc</code>	empty set with small circle above
U+029B3								<code>\emptysettoarr</code>	empty set with right arrow above
U+029B4								<code>\emptysettoarrl</code>	empty set with left arrow above
U+029BA								<code>\obot</code>	circle divided by horizontal bar and top half divided by vertical bar
U+029BB								<code>\olcross</code>	circle with superimposed x
U+029BC								<code>\odotslashdot</code>	circled anticlockwise-rotated division sign
U+029BD								<code>\uparrowwncircle</code>	up arrow through circle
U+029BE								<code>\circledwhitebullet</code>	circled white bullet

USV	M	S	E	X	P	L	G	Macro	Description
U+029BF		◉						\circledbullet	circled bullet
U+029C2		◯◦						\cirscir	circle with small circle to the right
U+029C3		◯=						\cirE	circle with two horizontal strokes to the right
U+029C9		◻◻						\boxonbox	two joined squares
U+029CA		△̇						\triangleodot	triangle with dot above
U+029CB		△̄						\triangleubar	triangle with underbar
U+029CC		△ _S						\triangles	s in triangle
U+029DC		∞						\iinfin	incomplete infinity
U+029DD		∞						\tieinfty	tie over infinity
U+029DE		∞						\nvinfty	infinity negated with vertical bar
U+029E0		◻						\laplac	square with contoured outline
U+029E7		‡						\thermod	thermodynamic
U+029E8		◴						\downtriangleleftblack	down-pointing triangle with left half black
U+029E9		◵						\downtrianglerightblack	down-pointing triangle with right half black
U+029EA		⬇						\blackdiamonddownarrow	black diamond with down arrow
U+029EC		◯						\circledownarrow	white circle with down arrow
U+029ED		◉						\blackcircledownarrow	black circle with down arrow
U+029EE		◻̅						\errbarsquare	error-barred white square
U+029EF		◼̅						\errbarblacksquare	error-barred black square
U+029F0		◊̅						\errbardiamond	error-barred white diamond
U+029F1		◼̅						\errbarblackdiamond	error-barred black diamond

USV	M	S	E	X	P	L	G	Macro	Description
U+029F2								<code>\errbarcircle</code>	error-barred white circle
U+029F3								<code>\errbarblackcircle</code>	error-barred black circle
U+02AE1								<code>\perps</code>	perpendicular with s
U+02AF1								<code>\topcir</code>	down tack with circle below
U+02B12								<code>\squaretopblack</code>	square with top half black
U+02B13								<code>\squarebotblack</code>	square with bottom half black
U+02B14								<code>\squareurblack</code>	square with upper right diagonal half black
U+02B15								<code>\squarellblack</code>	square with lower left diagonal half black
U+02B16								<code>\diamondleftblack</code>	diamond with left half black
U+02B17								<code>\diamondrightblack</code>	diamond with right half black
U+02B18								<code>\diamondtopblack</code>	diamond with top half black
U+02B19								<code>\diamondbotblack</code>	diamond with bottom half black
U+02B1A								<code>\dottedsquare</code>	dotted square
U+02B1B								<code>\lgblksquare</code>	black large square
U+02B1C								<code>\lgwhtsquare</code>	white large square
U+02B1D								<code>\vysmblksquare</code>	black very small square
U+02B1E								<code>\vysmwhtsquare</code>	white very small square
U+02B1F								<code>\pentagonblack</code>	black pentagon
U+02B20								<code>\pentagon</code>	white pentagon
U+02B21								<code>\varhexagon</code>	white hexagon
U+02B22								<code>\varhexagonblack</code>	black hexagon
U+02B23								<code>\hexagonblack</code>	horizontal black hexagon

USV	M	S	E	X	P	L	G	Macro	Description
U+02B24								<code>\lgblkcircl</code>	black large circle
U+02B25								<code>\mdblkdiamond</code>	black medium diamond
U+02B26								<code>\mdwhtdiamond</code>	white medium diamond
U+02B27								<code>\mdblklozenge</code>	black medium lozenge
U+02B28								<code>\mdwhtlozenge</code>	white medium lozenge
U+02B29								<code>\smbldiamond</code>	black small diamond
U+02B2A								<code>\smbklozenge</code>	black small lozenge
U+02B2B								<code>\smwhtlozenge</code>	white small lozenge
U+02B2C								<code>\blkhorzoval</code>	black horizontal ellipse
U+02B2D								<code>\whthorzoval</code>	white horizontal ellipse
U+02B2E								<code>\blkvertoval</code>	black vertical ellipse
U+02B2F								<code>\whtvertoval</code>	white vertical ellipse
U+02B50								<code>\medwhitestar</code>	white medium star
U+02B51								<code>\medblackstar</code>	black medium star
U+02B52								<code>\smwhitestar</code>	white small star
U+02B53								<code>\rightpentagonblack</code>	black right-pointing pentagon
U+02B54								<code>\rightpentagon</code>	white right-pointing pentagon
U+03012								<code>\postalmark</code>	postal mark
U+03030								<code>\hzigzag</code>	zigzag
U+1D7CE								<code>\mbfzero</code>	mathematical bold digit 0
U+1D7CF								<code>\mbfone</code>	mathematical bold digit 1
U+1D7D0								<code>\mbftwo</code>	mathematical bold digit 2

USV	M	S	E	X	P	L	G	Macro	Description
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	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2		2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3		3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4		4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5		5	5	5	\Bbbfive	mathematical double-struck digit 5
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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D7E5	3	3	3	3	3	3	3	<code>\msansthree</code>	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4	4	4	<code>\msansfour</code>	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5	5	<code>\msansfive</code>	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6	6	<code>\msanssix</code>	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7	7	<code>\msansseven</code>	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8	8	<code>\msanseight</code>	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9	9	<code>\msansnine</code>	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0	0	<code>\mbfsanszero</code>	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1	1	1	<code>\mbfsansone</code>	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2	2	<code>\mbfsanstwo</code>	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3	3	<code>\mbfsansthree</code>	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	4	4	<code>\mbfsansfour</code>	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5	5	<code>\mbfsansfive</code>	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6	6	<code>\mbfsanssix</code>	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7	7	<code>\mbfsansseven</code>	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8	8	<code>\mbfsanseight</code>	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9	9	<code>\mbfsansnine</code>	mathematical sans-serif bold digit 9
U+1D7F6	0	0	0	0	0	0	0	<code>\mttzero</code>	mathematical monospace digit 0
U+1D7F7	1	1	1	1	1	1	1	<code>\mttone</code>	mathematical monospace digit 1

USV	M	S	E	X	P	L	G	Macro	Description
U+1D7F8	2	2	2	2	2	2	2	\mttwo	mathematical monospace digit 2
U+1D7F9	3	3	3	3	3	3	3	\mtthree	mathematical monospace digit 3
U+1D7FA	4	4	4	4	4	4	4	\mtfour	mathematical monospace digit 4
U+1D7FB	5	5	5	5	5	5	5	\mtfive	mathematical monospace digit 5
U+1D7FC	6	6	6	6	6	6	6	\mtsix	mathematical monospace digit 6
U+1D7FD	7	7	7	7	7	7	7	\mtseven	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	X	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^(p)</code>	<code>/leftarrow</code> /gets a: leftward arrow
U+02191	↑	↑	↑	↑	↑	↑	↑	<code>\uparrow^(p)</code>	upward arrow
U+02192	→	→	→	→	→	→	→	<code>\rightarrow^(p)</code>	<code>/rightarrow</code> /to a: rightward arrow
U+02193	↓	↓	↓	↓	↓	↓	↓	<code>\downarrow^(p)</code>	downward arrow
U+02194	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightarrow^(p)</code>	left and right arrow
U+02195	↕	↕	↕	↕	↕	↕	↕	<code>\updownarrow^(p)</code>	up and down arrow
U+02196	↖	↖	↖	↖	↖	↖	↖	<code>\nwarrow^(p)</code>	nw pointing arrow
U+02197	↗	↗	↗	↗	↗	↗	↗	<code>\nearrow^(p)</code>	ne pointing arrow
U+02198	↘	↘	↘	↘	↘	↘	↘	<code>\searrow^(p)</code>	se pointing arrow
U+02199	↙	↙	↙	↙	↙	↙	↙	<code>\swarrow^(p)</code>	sw pointing arrow
U+0219A	↚	↚	↚	↚	↚	↚	↚	<code>\nleftarrow^(a)</code>	not left arrow
U+0219B	↛	↛	↛	↛	↛	↛	↛	<code>\nrightarrow^(a)</code>	not right arrow
U+0219C		↪				↪	↪	<code>\leftwarrow</code>	left arrow-wavy
U+0219D		↩				↩	↩	<code>\rightrightarrow</code>	right arrow-wavy
U+0219E	↔	↔	↔	↔	↔	↔	↔	<code>\twoheadleftarrow^(a)</code>	left two-headed arrow
U+0219F	↕	↕	↕	↕	↕	↕	↕	<code>\twoheaduparrow</code>	up two-headed arrow
U+021A0	↗	↗	↗	↗	↗	↗	↗	<code>\twoheadrightarrow^(a)</code>	right two-headed arrow

USV	M	S	E	X	P	L	G	Macro	Description
U+021A1								<code>\twoheaddownarrow</code>	down two-headed arrow
U+021A2								<code>\leftarrowtail</code> ^(a)	left arrow-tailed
U+021A3								<code>\rightarrowtail</code> ^(a)	right arrow-tailed
U+021A4								<code>\mapsfrom</code>	maps to, leftward
U+021A5								<code>\mapsup</code>	maps to, upward
U+021A6								<code>\mapsto</code> ^(p)	maps to, rightward
U+021A7								<code>\mapsdown</code>	maps to, downward
U+021A9								<code>\hookleftarrow</code> ^(p)	left arrow-hooked
U+021AA								<code>\hookrightarrow</code> ^(p)	right arrow-hooked
U+021AB								<code>\looparrowleft</code> ^(a)	left arrow-looped
U+021AC								<code>\looparrowright</code> ^(a)	right arrow-looped
U+021AD								<code>\leftrightsquigarrow</code> ^(a)	left and right arr-wavy
U+021AE								<code>\nlefttrightarrow</code> ^(a)	not left and right arrow
U+021AF								<code>\downzigzagarrow</code>	downwards zigzag arrow
U+021B0								<code>\Lsh</code> ^(a)	/lsh a:
U+021B1								<code>\Rsh</code> ^(a)	/rsh a:
U+021B2								<code>\Ldsh</code>	left down angled arrow
U+021B3								<code>\Rdsh</code>	right down angled arrow
U+021B6								<code>\curvearrowleft</code> ^(a)	left curved arrow
U+021B7								<code>\curvearrowright</code> ^(a)	right curved arrow
U+021BC								<code>\leftharpoonup</code> ^(p)	left harpoon-up
U+021BD								<code>\leftharpoondown</code> ^(p)	left harpoon-down

USV	M	S	E	X	P	L	G	Macro	Description
U+021BE	↗	↖	↘	↙	↞	↠	↡	<code>\upharpoonright^(a)</code>	<code>/upharpoonright</code> /restriction a: up harpoon-right
U+021BF	↖	↗	↙	↘	↠	↞	↡	<code>\upharpoonleft^(a)</code>	up harpoon-left
U+021C0	↗	↖	↘	↙	↞	↠	↡	<code>\rightharpoonup^(p)</code>	right harpoon-up
U+021C1	↗	↖	↘	↙	↞	↠	↡	<code>\rightharpoondown^(p)</code>	right harpoon-down
U+021C2	↘	↙	↗	↖	↞	↠	↡	<code>\downharpoonright^(a)</code>	down harpoon-right
U+021C3	↘	↙	↗	↖	↞	↠	↡	<code>\downharpoonleft^(a)</code>	down harpoon-left
U+021C4	↗↖	↖↗	↘↙	↙↘	↞↠	↠↞	↡↘	<code>\rightleftarrows^(a)</code>	right arrow over left arrow
U+021C5	↕	↕	↕	↕	↕	↕	↕	<code>\updownarrows</code>	up arrow, down arrow
U+021C6	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\leftrightarrows^(a)</code>	left arrow over right arrow
U+021C7	↖↖	↗↗	↙↙	↘↘	↞↞	↠↠	↡↡	<code>\leftleftarrows^(a)</code>	two left arrows
U+021C8	↗↗	↖↖	↘↘	↙↙	↞↞	↠↠	↡↡	<code>\upuparrows^(a)</code>	two up arrows
U+021C9	↗↗	↖↖	↘↘	↙↙	↞↞	↠↠	↡↡	<code>\rightrightarrows^(a)</code>	two right arrows
U+021CA	↘↘	↙↙	↗↗	↖↖	↞↞	↠↠	↡↡	<code>\downdownarrows^(a)</code>	two down arrows
U+021CB	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\leftrightharpoons^(a)</code>	left harpoon over right
U+021CC	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\rightleftharpoons^(l)</code>	right harpoon over left
U+021CD	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\nLeftarrow^(a)</code>	not implied by
U+021CE	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\nLefttrightarrow^(a)</code>	not left and right double arrows
U+021CF	↗↘	↖↙	↘↗	↙↘	↞↠	↠↞	↡↘	<code>\nRightarrow^(a)</code>	not implies
U+021D0	↖↖	↗↗	↙↙	↘↘	↞↞	↠↠	↡↡	<code>\Leftarrow^(p)</code>	is implied by
U+021D1	↗↗	↖↖	↘↘	↙↙	↞↞	↠↠	↡↡	<code>\Uparrow^(p)</code>	up double arrow
U+021D2	↗↗	↖↖	↘↘	↙↙	↞↞	↠↠	↡↡	<code>\Rightarrow^(p)</code>	implies
U+021D3	↘↘	↙↙	↗↗	↖↖	↞↞	↠↠	↡↡	<code>\Downarrow^(p)</code>	down double arrow

USV	M	S	E	X	P	L	G	Macro	Description
U+021D4	↔	↔	↔	↔	↔	↔	↔	<code>\Leftrightarrow^(p)</code>	left and right double arrow
U+021D5	↕	↕	↕	↕	↕	↕	↕	<code>\Updownarrow^(p)</code>	up and down double arrow
U+021D6	↖	↖	↖	↖	↖	↖	↖	<code>\Nwarrow</code>	nw pointing double arrow
U+021D7	↗	↗	↗	↗	↗	↗	↗	<code>\Nearrow</code>	ne pointing double arrow
U+021D8	↘	↘	↘	↘	↘	↘	↘	<code>\Searrow</code>	se pointing double arrow
U+021D9	↙	↙	↙	↙	↙	↙	↙	<code>\Swarrow</code>	sw pointing double arrow
U+021DA	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Lleftarrow^(a)</code>	left triple arrow
U+021DB	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Rrightarrow^(a)</code>	right triple arrow
U+021DC	↪	↪	↪	↪	↪	↪	↪	<code>\leftsquigarrow</code>	leftwards squiggle arrow
U+021DD	↩	↩	↩	↩	↩	↩	↩	<code>\rightsquigarrow^(a)</code>	rightwards squiggle arrow
U+021E4		←				←	←	<code>\barleftarrow</code>	leftwards arrow to bar
U+021E5		→				→	→	<code>\rightarrowbar</code>	rightwards arrow to bar
U+021F4		→				→	→	<code>\circlearrowright</code>	right arrow with small circle
U+021F5	↕	↕	↕	↕	↕	↕	↕	<code>\downuparrows</code>	downwards arrow leftwards of upwards arrow
U+021F6	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\rightthreearrows</code>	three rightwards arrows
U+021F7		⇐				⇐	⇐	<code>\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

USV	M	S	E	X	P	L	G	Macro	Description
U+021FD		↵				↵	↵	<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE		➔				➔	➔	<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF		↔				↔	↔	<code>\leftrightarrowtriangle</code>	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	<code>\in^(p)</code>	set membership, variant
U+02209	∉	∉	∉	∉	∉	∉	∉	<code>\notin^(l)</code>	negated set membership
U+0220A	∈	∈	∈	∈	∈	∈	∈	<code>\smallin</code>	set membership (small set membership)
U+0220B	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\ni^(p)</code>	contains, variant
U+0220C	⊄	⊄	⊄	⊄	⊄	⊄	⊄	<code>\nni</code>	negated contains, variant
U+0220D	⊃	⊃	⊃	⊃	⊃	⊃	⊃	<code>\smallni</code>	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	<code>\propto^(p)</code>	is proportional to
U+02223	|	|	|	|	|	|	|	<code>\mid^(p)</code>	/mid r:
U+02224	⧻	⧻	⧻	⧻	⧻	⧻	⧻	<code>\nmid^(a)</code>	negated mid
U+02225	||	||	||	||	||	||	||	<code>\parallel^(p)</code>	parallel
U+02226	⧻	⧻	⧻	⧻	⧻	⧻	⧻	<code>\nparallel^(a)</code>	not parallel
U+02236	:	:	:	:	:	:	:	<code>\mathratio</code>	ratio
U+02237	::	::	::	::	::	::	::	<code>\Colon</code>	two colons
U+02239	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\dashcolon</code>	excess (⋮)
U+0223A	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\dotsminusdots</code>	minus with four dots, geometric properties
U+0223B	≈	≈	≈	≈	≈	≈	≈	<code>\kernelcontraction</code>	homothetic
U+0223C	∼	∼	∼	∼	∼	∼	∼	<code>\sim^(p)</code>	similar
U+0223D	↯	↯	↯	↯	↯	↯	↯	<code>\backsim^(a)</code>	reverse similar
U+02241	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\nsim^(a)</code>	not similar

usv	M	S	E	X	P	L	G	Macro	Description
U+02242	≈	≈	≈	≈	≈	≈	≈	<code>\eqsim^(a)</code>	equals, similar
U+02243	≈	≈	≈	≈	≈	≈	≈	<code>\simeq^(p)</code>	similar, equals
U+02244	≇	≇	≇	≇	≇	≇	≇	<code>\nsime</code>	not similar, equals
U+02243	≈	≈	≈	≈	≈	≈	≈	<code>\sime</code>	similar, equals (alias)
U+02244	≇	≇	≇	≇	≇	≇	≇	<code>\nsimeq</code>	not similar, equals (alias)
U+02245	≡	≡	≡	≡	≡	≡	≡	<code>\cong^(l)</code>	congruent with
U+02246	≇	≇	≇	≇	≇	≇	≇	<code>\simneqq</code>	similar, not equals [vert only for 9573 entity]
U+02247	≇	≇	≇	≇	≇	≇	≇	<code>\ncong^(a)</code>	not congruent with
U+02248	≈	≈	≈	≈	≈	≈	≈	<code>\approx^(p)</code>	approximate
U+02249	≇	≇	≇	≇	≇	≇	≇	<code>\napprox</code>	not approximate
U+0224A	≈	≈	≈	≈	≈	≈	≈	<code>\approxeq^(a)</code>	approximate, equals
U+0224B	≈	≈	≈	≈	≈	≈	≈	<code>\approxident</code>	approximately identical to
U+0224C	≡	≡	≡	≡	≡	≡	≡	<code>\backcong</code>	all equal to
U+0224D	∞	∞	∞	∞	∞	∞	∞	<code>\asymp^(p)</code>	asymptotically equal to
U+0224E	⋈	⋈	⋈	⋈	⋈		⋈	<code>\Bumpeq^(a)</code>	bumpy equals
U+0224F	⋈	⋈	⋈	⋈	⋈		⋈	<code>\bumpeq^(a)</code>	bumpy equals, equals
U+02250	≐	≐	≐	≐	≐	≐	≐	<code>\doteq^(l)</code>	equals, single dot above
U+02251	≐	≐	≐	≐	≐	≐	≐	<code>\Doteq^(a)</code>	/doteqdot /doteq r: equals, even dots
U+02252	≐	≐	≐	≐	≐	≐	≐	<code>\fallingdotseq^(a)</code>	equals, falling dots
U+02253	≐	≐	≐	≐	≐	≐	≐	<code>\risingdotseq^(a)</code>	equals, rising dots
U+02254	≐	≐	≐	≐	≐	≐	≐	<code>\coloneq</code>	colon, equals
U+02255	≐	≐	≐	≐	≐	≐	≐	<code>\eqcolon</code>	equals, colon















































usv	M	S	E	X	P	L	G	Macro	Description
U+02256								<code>\eqcirc^(a)</code>	circle on equals sign
U+02257								<code>\circeq^(a)</code>	circle, equals
U+02258								<code>\arceq</code>	arc, equals; corresponds to
U+02259								<code>\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^(a)</code>	triangle, equals
U+0225D								<code>\eqdef</code>	equals by definition
U+0225E								<code>\measeq</code>	measured by (m over equals)
U+0225F								<code>\questeq</code>	equal with questionmark
U+02260								<code>\ne^(p)</code>	<code>/ne</code> <code>/neq</code> r: not equal
U+02261								<code>\equiv^(p)</code>	identical with
U+02262								<code>\nequiv</code>	not identical with
U+02263								<code>\Equiv</code>	strict equivalence (4 lines)
U+02264								<code>\leq^(p)</code>	<code>/leq</code> <code>/le</code> r: less-than-or-equal
U+02265								<code>\geq^(p)</code>	<code>/geq</code> <code>/ge</code> r: greater-than-or-equal
U+02266								<code>\leqq^(a)</code>	less, double equals
U+02267								<code>\geqq^(a)</code>	greater, double equals
U+02268								<code>\lneqq^(a)</code>	less, not double equals
U+02269								<code>\gneqq^(a)</code>	greater, not double equals
U+0226A								<code>\ll^(p)</code>	much less than, type 2
U+0226B								<code>\gg^(p)</code>	much greater than, type 2

usv	M	S	E	X	P	L	G	Macro	Description
U+0226C								<code>\between^(a)</code>	between
U+0226D								<code>\nasymp</code>	not asymptotically equal to
U+0226E								<code>\nless^(a)</code>	not less-than
U+0226F								<code>\ngtr^(a)</code>	not greater-than
U+02270								<code>\nleq^(a)</code>	not less-than-or-equal
U+02271								<code>\ngeq^(a)</code>	not greater-than-or-equal
U+02272								<code>\less^(a)</code>	less, similar
U+02273								<code>\gtr^(a)</code>	greater, similar
U+02274								<code>\nless^(a)</code>	not less, similar
U+02275								<code>\ngtr^(a)</code>	not greater, similar
U+02276								<code>\lessgtr^(a)</code>	less, greater
U+02277								<code>\gtrless^(a)</code>	greater, less
U+02278								<code>\nlessgtr</code>	not less, greater
U+02279								<code>\ngtrless</code>	not greater, less
U+0227A								<code>\prec^(p)</code>	precedes
U+0227B								<code>\succ^(p)</code>	succeeds
U+0227C								<code>\preccurlyeq^(a)</code>	precedes, curly equals
U+0227D								<code>\succcurlyeq^(a)</code>	succeeds, curly equals
U+0227E								<code>\prec^(a)</code>	precedes, similar
U+0227F								<code>\succ^(a)</code>	succeeds, similar
U+02280								<code>\nprec^(a)</code>	not precedes
U+02281								<code>\nsucc^(a)</code>	not succeeds

usv	M	S	E	X	P	L	G	Macro	Description
U+02282	⊂	⊆	⊃	⊄	⊇	⊈	⊉	<code>\subset^(p)</code>	subset or is implied by
U+02283	⊃	⊇	⊄	⊆	⊈	⊉	⊊	<code>\supset^(p)</code>	superset or implies
U+02284	⊄	⊈	⊉	⊊	⊋	⊌	⊍	<code>\nsubset</code>	not subset, variant [slash negation]
U+02285	⊉	⊋	⊌	⊍	⊎	⊏	⊐	<code>\nsupset</code>	not superset, variant [slash negation]
U+02286	⊆	⊇	⊈	⊉	⊊	⊋	⊌	<code>\subseteq^(p)</code>	subset, equals
U+02287	⊇	⊈	⊉	⊊	⊋	⊌	⊍	<code>\supseteq^(p)</code>	superset, equals
U+02288	⊈	⊉	⊊	⊋	⊌	⊍	⊎	<code>\nsubseteq^(a)</code>	not subset, equals
U+02289	⊉	⊋	⊌	⊍	⊎	⊏	⊐	<code>\nsupseteq^(a)</code>	not superset, equals
U+0228A	⊈	⊉	⊊	⊋	⊌	⊍	⊎	<code>\subsetneq^(a)</code>	subset, not equals
U+0228B	⊉	⊋	⊌	⊍	⊎	⊏	⊐	<code>\supsetneq^(a)</code>	superset, not equals
U+0228F	⊐	⊑	⊒	⊓	⊔	⊕	⊖	<code>\sqsubset</code>	square subset
U+02290	⊑	⊒	⊓	⊔	⊕	⊖	⊗	<code>\sqsupset</code>	square superset
U+02291	⊆	⊇	⊈	⊉	⊊	⊋	⊌	<code>\sqsubseteq^(p)</code>	square subset, equals
U+02292	⊇	⊈	⊉	⊊	⊋	⊌	⊍	<code>\sqsupseteq^(p)</code>	square superset, equals
U+022A2	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\vdash^(p)</code>	vertical, dash
U+022A3	⊣	⊤	⊥	⊦	⊧	⊨	⊩	<code>\dashv^(p)</code>	dash, vertical
U+022A6	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\assert</code>	assertion (vertical, short dash)
U+022A7	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\models^(p)</code>	models (vertical, short double dash)
U+022A8	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\vDash^(a)</code>	vertical, double dash
U+022A9	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\VDash^(a)</code>	double vertical, dash
U+022AA	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\Vdash^(a)</code>	triple vertical, dash
U+022AB	⊢	⊣	⊤	⊥	⊦	⊧	⊨	<code>\VDash</code>	double vert, double dash















USV	M	S	E	X	P	L	G	Macro	Description
U+022AC	↯	↰	↱	↲	↳	↴	↵	<code>\nvdash^(a)</code>	not vertical, dash
U+022AD	↯	↰	↱	↲	↳	↴	↵	<code>\nvDash^(a)</code>	not vertical, double dash
U+022AE	↯	↰	↱	↲	↳	↴	↵	<code>\nVdash^(a)</code>	not double vertical, dash
U+022AF	↯	↰	↱	↲	↳	↴	↵	<code>\nVDash^(a)</code>	not double vert, double dash
U+022B0		↵					↵	<code>\prurel</code>	element precedes under relation
U+022B1		↶					↶	<code>\scurel</code>	succeeds under relation
U+022B2	◁	◁	◁	◁	◁	◁	◁	<code>\vartriangleleft^(a)</code>	left triangle, open, variant
U+022B3	▷	▷	▷	▷	▷	▷	▷	<code>\vartriangleright^(a)</code>	right triangle, open, variant
U+022B4	◁	◁	◁	◁	◁	◁	◁	<code>\trianglelefteq^(a)</code>	left triangle, equals
U+022B5	▷	▷	▷	▷	▷	▷	▷	<code>\trianglerighteq^(a)</code>	right triangle, equals
U+022B6	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\origof</code>	original of
U+022B7	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\imageof</code>	image of
U+022B8	⋈	⋈	⋈	⋈	⋈		⋈	<code>\multimap^(a)</code>	/multimap a:
U+022C8	⋈	⋈	⋈	⋈	⋈	⋈	⋈	<code>\bowtie^(p)</code>	bowtie
U+022CD	≈	≈	≈	≈	≈	≈	≈	<code>\backsimeq^(a)</code>	reverse similar, equals
U+022D0	⊆	⊆	⊆	⊆	⊆		⊆	<code>\Subset^(a)</code>	double subset
U+022D1	⊇	⊇	⊇	⊇	⊇		⊇	<code>\Supset^(a)</code>	double superset
U+022D4		⋈	⋈	⋈			⋈	<code>\pitchfork^(a)</code>	pitchfork
U+022D5	∥	∥	∥	∥	∥		∥	<code>\equalparallel</code>	parallel, equal; equal or parallel
U+022D6	◁	◁	◁	◁	◁	◁	◁	<code>\lessdot^(a)</code>	less than, with dot
U+022D7	▷	▷	▷	▷	▷	▷	▷	<code>\gtrdot^(a)</code>	greater than, with dot
U+022D8	◁	◁	◁	◁	◁	◁	◁	<code>\lll^(a)</code>	/ll /lll /llless r: triple less-than

USV	M	S	E	X	P	L	G	Macro	Description
U+022D9	➤	➥	➦	➨	➩	➪	➬	<code>\ggg^(a)</code>	<i>/ggg /gg /gggtr r: triple greater-than</i>
U+022DA	➤	➥	➦	➨	➩	➪	➬	<code>\lesseqgtr^(a)</code>	less, equals, greater
U+022DB	➤	➥	➦	➨	➩	➪	➬	<code>\gtreqless^(a)</code>	greater, equals, less
U+022DC	➤	➥	➦	➨	➩	➪	➬	<code>\eqless</code>	equal-or-less
U+022DD	➤	➥	➦	➨	➩	➪	➬	<code>\eqgtr</code>	equal-or-greater
U+022DE	⤵	⤶	⤷	⤸	⤹	⥀	⥁	<code>\curlyeqprec^(a)</code>	curly equals, precedes
U+022DF	⤵	⤶	⤷	⤸	⤹	⥀	⥁	<code>\curlyeqsucc^(a)</code>	curly equals, succeeds
U+022E0	⤵	⤶	⤷	⤸	⤹	⥀	⥁	<code>\npreccurlyeq</code>	not precedes, curly equals
U+022E1	⤵	⤶	⤷	⤸	⤹	⥀	⥁	<code>\nsucccurlyeq</code>	not succeeds, curly equals
U+022E2	⧈	⧉	⧊	⧋	⧌	⧍	⧎	<code>\nsqsubseteq</code>	not, square subset, equals
U+022E3	⧈	⧉	⧊	⧋	⧌	⧍	⧎	<code>\nsqsupseteq</code>	not, square superset, equals
U+022E4	⧈	⧉	⧊	⧋	⧌	⧍	⧎	<code>\sqsubsetneq</code>	square subset, not equals
U+022E5	⧈	⧉	⧊	⧋	⧌	⧍	⧎	<code>\sqsupsetneq</code>	square superset, not equals
U+022E6	⧻	⧼	⧽	⧿	⨀	⨁	⨂	<code>\lnsim^(a)</code>	less, not similar
U+022E7	⧻	⧼	⧽	⧿	⨀	⨁	⨂	<code>\gnsim^(a)</code>	greater, not similar
U+022E8	⧻	⧼	⧽	⧿	⨀	⨁	⨂	<code>\precnsim^(a)</code>	precedes, not similar
U+022E9	⧻	⧼	⧽	⧿	⨀	⨁	⨂	<code>\succnsim^(a)</code>	succeeds, not similar
U+022EA	⚡	⚢	⚣	⚤	⚥	⚦	⚧	<code>\nvartriangleleft</code>	not left triangle
U+022EB	⚡	⚢	⚣	⚤	⚥	⚦	⚧	<code>\nvartriangleright</code>	not right triangle
U+022EC	⚡	⚢	⚣	⚤	⚥	⚦	⚧	<code>\ntrianglelefteq^(a)</code>	not left triangle, equals
U+022ED	⚡	⚢	⚣	⚤	⚥	⚦	⚧	<code>\ntrianglerighteq^(a)</code>	not right triangle, equals
U+022EE	⋮	⋮	⋮	⋮	⋮	⋮	⋮	<code>\vdots^(p)</code>	vertical ellipsis



















USV	M	S	E	X	P	L	G	Macro	Description
U+022F0								<code>\adots</code>	three dots, ascending
U+022F1								<code>\ddots^(p)</code>	three dots, descending
U+022F2								<code>\disin</code>	element of with long horizontal stroke
U+022F3								<code>\varisins</code>	element of with vertical bar at end of horizontal stroke
U+022F4								<code>\isins</code>	small element of with vertical bar at end of horizontal stroke
U+022F5								<code>\isindot</code>	element of with dot above
U+022F6								<code>\varisinobar</code>	element of with overbar
U+022F7								<code>\isinobar</code>	small element of with overbar
U+022F8								<code>\isinvb</code>	element of with underbar
U+022F9								<code>\isinE</code>	element of with two horizontal strokes
U+022FA								<code>\nisd</code>	contains with long horizontal stroke
U+022FB								<code>\varnis</code>	contains with vertical bar at end of horizontal stroke
U+022FC								<code>\nis</code>	small contains with vertical bar at end of horizontal stroke
U+022FD								<code>\varniobar</code>	contains with overbar
U+022FE								<code>\niobar</code>	small contains with overbar
U+022FF								<code>\bagmember</code>	z notation bag membership
U+02322								<code>\frown^(p)</code>	down curve
U+02323								<code>\smile^(p)</code>	up curve
U+0233F								<code>\APLnotslash</code>	solidus, bar through (apl functional symbol slash bar)
U+025B5								<code>\vartriangle^(a)</code>	/triangle - up triangle, open

USV	M	S	E	X	P	L	G	Macro	Description
U+027C2	⊥	⊥	⊥	⊥	⊥	⊥	⊥	<code>\perp^(p)</code>	perpendicular
U+027C8		⋈						<code>\bsolhsb</code>	reverse solidus preceding subset
U+027C9		⋈						<code>\suphsol</code>	superset preceding solidus
U+027D2		⤿						<code>\upin</code>	element of opening upwards
U+027D3		⋈						<code>\pullback</code>	lower right corner with dot
U+027D4		⋈						<code>\pushout</code>	upper left corner with dot
U+027DA	⋈	⋈	⋈	⋈	⋈		⋈	<code>\DashVDash</code>	left and right double turnstile
U+027DB	⋈	⋈	⋈	⋈	⋈		⋈	<code>\dashVdash</code>	left and right tack
U+027DC	⋈	⋈	⋈	⋈	⋈		⋈	<code>\multimapinv</code>	left multimap
U+027DD	⋈	⋈	⋈	⋈	⋈		⋈	<code>\vlongdash</code>	long left tack
U+027DE	⋈	⋈	⋈	⋈	⋈		⋈	<code>\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>\acwgapcirclearrow</code>	anticlockwise gapped circle arrow
U+027F3		⤿					⤿	<code>\cwgapcirclearrow</code>	clockwise gapped circle arrow
U+027F4	⊕	⊕	⊕		⊕			<code>\rightarrowonoplus</code>	right arrow with circled plus
U+027F5	←	←	←	←	←	←	←	<code>\longleftarrow^(p)</code>	long leftwards arrow
U+027F6	→	→	→	→	→	→	→	<code>\longrightarrow^(p)</code>	long rightwards arrow
U+027F7	↔	↔	↔	↔	↔	↔	↔	<code>\longleftrightarrow^(p)</code>	long left right arrow
U+027F8	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Longleftarrow^(p)</code>	long leftwards double arrow
U+027F9	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Longrightarrow^(p)</code>	long rightwards double arrow

USV	M	S	E	X	P	L	G	Macro	Description
U+027FA	↔	↔	↔	↔	↔	↔	↔	<code>\Longlefttrightarrow^(p)</code>	long left right double arrow
U+027FB	←	←	←	←	←	←	←	<code>\longmapsfrom</code>	long leftwards arrow from bar
U+027FC	→	→	→	→	→	→	→	<code>\longmapsto^(p)</code>	long rightwards arrow from bar
U+027FD	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Longmapsfrom</code>	long leftwards double arrow from bar
U+027FE	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Longmapsto</code>	long rightwards double arrow from bar
U+027FF	↗	↗	↗	↗	↗	↗	↗	<code>\longrightsquigarrow</code>	long rightwards squiggle arrow
U+02900		↔						<code>\nvtwoheadrightarrow</code>	rightwards two-headed arrow with vertical stroke
U+02901		↔						<code>\nVtwoheadrightarrow</code>	rightwards two-headed arrow with double vertical stroke
U+02902		⇐				⇐		<code>\nvLeftarrow</code>	leftwards double arrow with vertical stroke
U+02903		⇒				⇒		<code>\nvRrightarrow</code>	rightwards double arrow with vertical stroke
U+02904		⇔				⇔		<code>\nvLefttrightarrow</code>	left right double arrow with vertical stroke
U+02905		↗						<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
U+02906	←	←	←	←	←	←	←	<code>\Mapsfrom</code>	leftwards double arrow from bar
U+02907	→	→	→	→	→	→	→	<code>\Mapsto</code>	rightwards double arrow from bar
U+02908		↓						<code>\downarrowbarred</code>	downwards arrow with horizontal stroke
U+02909		↑						<code>\uparrowbarred</code>	upwards arrow with horizontal stroke
U+0290A		↑				↑		<code>\Uparrow</code>	upwards triple arrow
U+0290B		↓				↓		<code>\Ddownarrow</code>	downwards triple arrow
U+0290C		↔						<code>\leftbkarrow</code>	leftwards double dash arrow

usv	M	S	E	X	P	L	G	Macro	Description
U+0290D								<code>\rightbkarrow</code>	rightwards double dash arrow
U+0290E								<code>\leftdbkarrow</code>	leftwards triple dash arrow
U+0290F								<code>\dbkarrow</code>	rightwards triple dash arrow
U+02910								<code>\drbkarrow</code>	rightwards two-headed triple dash arrow
U+02911								<code>\rightdotarrow</code>	rightwards arrow with dotted stem
U+02912								<code>\baruparrow</code>	upwards arrow to bar
U+02913								<code>\downarrowbar</code>	downwards arrow to bar
U+02914								<code>\nvrightarrowtail</code>	rightwards arrow with tail with vertical stroke
U+02915								<code>\nVrightarrowtail</code>	rightwards arrow with tail with double vertical stroke
U+02916								<code>\twoheadrightarrowtail</code>	rightwards two-headed arrow with tail
U+02917								<code>\nvtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with vertical stroke
U+02918								<code>\nVtwoheadrightarrowtail</code>	rightwards two-headed arrow with tail with double vertical stroke
U+02919								<code>\lefttail</code>	leftwards arrow-tail
U+0291A								<code>\righttail</code>	rightwards arrow-tail
U+0291B								<code>\leftdbltail</code>	leftwards double arrow-tail
U+0291C								<code>\rightdbltail</code>	rightwards double arrow-tail
U+0291D								<code>\diamondleftarrow</code>	leftwards arrow to black diamond
U+0291E								<code>\rightarrowdiamond</code>	rightwards arrow to black diamond
U+0291F								<code>\diamondleftarrowbar</code>	leftwards arrow from bar to black diamond

usv	M	S	E	X	P	L	G	Macro	Description
U+02920		↪➤						<code>\barrightarrowdiamond</code>	rightwards arrow from bar to black diamond
U+02921		↙						<code>\nwsearrow</code>	north west and south east arrow
U+02922		↗						<code>\neswarrow</code>	north east and south west arrow
U+02923		↙						<code>\hknwarrow</code>	north west arrow with hook
U+02924		↗						<code>\hknearrow</code>	north east arrow with hook
U+02925		↘						<code>\hksearrow</code>	south east arrow with hook
U+02926		↘						<code>\hkswarrow</code>	south west arrow with hook
U+02927		↗↘						<code>\tona</code>	north west arrow and north east arrow
U+02928		↘↗						<code>\toea</code>	north east arrow and south east arrow
U+02929		↘↘						<code>\tosa</code>	south east arrow and south west arrow
U+0292A		↘↙						<code>\towa</code>	south west arrow and north west arrow
U+02933		↪	↪					<code>\rightcurvedarrow</code>	wave arrow pointing directly right
U+02936		↙	↙					<code>\leftdowncurvedarrow</code>	arrow pointing downwards then curving leftwards
U+02937		↘	↘					<code>\rightdowncurvedarrow</code>	arrow pointing downwards then curving rightwards
U+02938		↻						<code>\cwrightarcarrow</code>	right-side arc clockwise arrow
U+02939		↺						<code>\acwleftarcarrow</code>	left-side arc anticlockwise arrow
U+0293A		↺						<code>\acwoverarcarrow</code>	top arc anticlockwise arrow
U+0293B		↺						<code>\acwunderarcarrow</code>	bottom arc anticlockwise arrow
U+0293C		↻						<code>\curvearrowrightminus</code>	top arc clockwise arrow with minus
U+0293D		↺						<code>\curvearrowleftplus</code>	top arc anticlockwise arrow with plus

usv	M	S	E	X	P	L	G	Macro	Description
U+0293E								<code>\cwundercurvearrow</code>	lower right semicircular clockwise arrow
U+0293F								<code>\ccwundercurvearrow</code>	lower left semicircular anticlockwise arrow
U+02940								<code>\acwcirculararrow</code>	anticlockwise closed circle arrow
U+02941								<code>\cwcirculararrow</code>	clockwise closed circle arrow
U+02942								<code>\rightarrowshortleftarrow</code>	rightwards arrow above short leftwards arrow
U+02943								<code>\leftarrowshortrightarrow</code>	leftwards arrow above short rightwards arrow
U+02944								<code>\shortrightarrowleftarrow</code>	short rightwards arrow above leftwards arrow
U+02945								<code>\rightarrowplus</code>	rightwards arrow with plus below
U+02946								<code>\leftarrowplus</code>	leftwards arrow with plus below
U+02947								<code>\rightarrowx</code>	rightwards arrow through x
U+02948								<code>\leftrightarrowcircle</code>	left right arrow through small circle
U+02949								<code>\twoheaduparrowcircle</code>	upwards two-headed arrow from small circle
U+0294A								<code>\leftrightharpoonupdown</code>	left barb up right barb down harpoon
U+0294B								<code>\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

usv	M	S	E	X	P	L	G	Macro	Description
u+02950		↖						\leftrightharpoondowndown	left barb down right barb down harpoon
u+02951		↙						\updownharpoonleftleft	up barb left down barb left harpoon
u+02952		↖						\barleftharpoonup	leftwards harpoon with barb up to bar
u+02953		↗						\rightharpoonupbar	rightwards harpoon with barb up to bar
u+02954		↗						\barupharpoonright	upwards harpoon with barb right to bar
u+02955		↘						\downharpoonrightbar	downwards harpoon with barb right to bar
u+02956		↘						\barleftharpoondown	leftwards harpoon with barb down to bar
u+02957		↙						\rightharpoondownbar	rightwards harpoon with barb down to bar
u+02958		↙						\barupharpoonleft	upwards harpoon with barb left to bar
u+02959		↘						\downharpoonleftbar	downwards harpoon with barb left to bar
u+0295A		↖						\leftharpoonupbar	leftwards harpoon with barb up from bar
u+0295B		↗						\barriightharpoonup	rightwards harpoon with barb up from bar
u+0295C		↗						\upharpoonrightbar	upwards harpoon with barb right from bar
u+0295D		↘						\bardownharpoonright	downwards harpoon with barb right from bar
u+0295E		↖						\leftharpoondownbar	leftwards harpoon with barb down from bar
u+0295F		↗						\barriightharpoondown	rightwards harpoon with barb down from bar
u+02960		↙						\upharpoonleftbar	upwards harpoon with barb left from bar

usv	M	S	E	X	P	L	G	Macro	Description
U+02961		↯						\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		⇐						\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		↗						\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
U+02964		⇒						\rightharpoonsupdown	rightwards harpoon with barb up above rightwards harpoon with barb down
U+02965		↘						\downharpoonsleftright	downwards harpoon with barb left beside downwards harpoon with barb right
U+02966		⇐						\leftrightharpoonsup	leftwards harpoon with barb up above rightwards harpoon with barb up
U+02967		⇒						\leftrightharpoonsdown	leftwards harpoon with barb down above rightwards harpoon with barb down
U+02968		⇐						\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up
U+02969		⇒						\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
U+0296A		⇐						\leftharpoonupdash	leftwards harpoon with barb up above long dash
U+0296B		⇒						\dashleftharpoondown	leftwards harpoon with barb down below long dash
U+0296C		⇐						\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0296D		⇒						\dashrightharpoondown	rightwards harpoon with barb down below long dash
U+0296E		↗						\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
U+0296F		↘						\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right

usv	M	S	E	X	P	L	G	Macro	Description
U+02970		⇒						<code>\rightimply</code>	right double arrow with rounded head
U+02971		⇒				⇒		<code>\equalrightarrow</code>	equals sign above rightwards arrow
U+02972		⇒				⇒		<code>\similarrightarrow</code>	tilde operator above rightwards arrow
U+02973		⇐				⇐		<code>\leftarrowsimilar</code>	leftwards arrow above tilde operator
U+02974		⇒				⇒		<code>\rightarrowsimilar</code>	rightwards arrow above tilde operator
U+02975		⇒				⇒		<code>\rightarrowapprox</code>	rightwards arrow above almost equal to
U+02976		⇐						<code>\ltlarr</code>	less-than above leftwards arrow
U+02977		⇐						<code>\leftarrowless</code>	leftwards arrow through less-than
U+02978		⇒						<code>\gtrarr</code>	greater-than above rightwards arrow
U+02979		⇐						<code>\subrarr</code>	subset above rightwards arrow
U+0297A		⇐						<code>\leftarrowsubset</code>	leftwards arrow through subset
U+0297B		⇒						<code>\suplarr</code>	superset above leftwards arrow
U+0297C		↵						<code>\leftfishtail</code>	left fish tail
U+0297D		↶						<code>\rightfishtail</code>	right fish tail
U+0297E		↶						<code>\upfishtail</code>	up fish tail
U+0297F		↷						<code>\downfishtail</code>	down fish tail
U+02982		⋈				⋈		<code>\typecolon</code>	z notation type colon
U+029CE		▵						<code>\rtriltri</code>	right triangle above left triangle
U+029CF		◁						<code>\ltrivb</code>	left triangle beside vertical bar
U+029D0		▷						<code>\vbrtri</code>	vertical bar beside right triangle

USV	M	S	E	X	P	L	G	Macro	Description
U+029D1		⚡						<code>\lfbowtie</code>	left black bowtie
U+029D2		⚡						<code>\rfbowtie</code>	right black bowtie
U+029D3		⚡						<code>\fbowtie</code>	black bowtie
U+029D4		⚡						<code>\lftimes</code>	left black times
U+029D5		⚡						<code>\rftimes</code>	right black times
U+029DF		⚡						<code>\dualmap</code>	double-ended multimap
U+029E1		⚡						<code>\lrtriangleeq</code>	increases as
U+029E3		⚡						<code>\eparsl</code>	equals sign and slanted parallel
U+029E4		⚡						<code>\smeparsl</code>	equals sign and slanted parallel with tilde above
U+029E5		⚡						<code>\eqvparsl</code>	identical to and slanted parallel
U+029E6		⚡						<code>\gleichstark</code>	gleich stark
U+029F4		⚡						<code>\ruledelayed</code>	rule-delayed
U+02A59		⚡						<code>\veeonwedge</code>	logical or overlapping logical and
U+02A66		⚡						<code>\eqdot</code>	equals sign with dot below
U+02A67		⚡						<code>\dotequiv</code>	identical with dot above
U+02A68		⚡						<code>\equivVert</code>	triple horizontal bar with double vertical stroke
U+02A69		⚡						<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
U+02A6A		⚡					⚡	<code>\dotsim</code>	tilde operator with dot above
U+02A6B		⚡					⚡	<code>\simrdots</code>	tilde operator with rising dots
U+02A6C		⚡					⚡	<code>\simminussim</code>	similar minus similar
U+02A6D		⚡					⚡	<code>\congdot</code>	congruent with dot above

USV	M	S	E	X	P	L	G	Macro	Description
U+02A6E		≐						\asteq	equals with asterisk
U+02A6F		≑						\hatapprox	almost equal to with circumflex accent
U+02A70		≒					≍	\approxeqq	approximately equal or equal to
U+02A73		≓					≔	\eqqsim	equals sign above tilde operator
U+02A74		≔					≕	\Coloneq	double colon equal
U+02A75		==					==	\eqeq	two consecutive equals signs
U+02A76		===					===	\eqeqeq	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 ^(a)	less-than or slanted equal to
U+02A7E	⋔	⋕	⋖	⋗	⋘	⋙	⋚	\geqslant ^(a)	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

USV	M	S	E	X	P	L	G	Macro	Description
U+02A84		➤						\gesdotol	greater-than or slanted equal to with dot above left
U+02A85	➤	➤	➤	➤	➤		➤	\lessapprox ^(a)	less-than or approximate
U+02A86	➤	➤	➤	➤	➤		➤	\gtrapprox ^(a)	greater-than or approximate
U+02A87	➤	➤	➤	➤	➤	➤	➤	\lneq ^(a)	less-than and single-line not equal to
U+02A88	➤	➤	➤	➤	➤	➤	➤	\gneq ^(a)	greater-than and single-line not equal to
U+02A89	➤	➤	➤	➤	➤		➤	\lnapprox ^(a)	less-than and not approximate
U+02A8A	➤	➤	➤	➤	➤		➤	\gnapprox ^(a)	greater-than and not approximate
U+02A8B	➤	➤	➤	➤	➤			\lesseqgtr ^(a)	less-than above double-line equal above greater-than
U+02A8C	➤	➤	➤	➤	➤			\gtreqless ^(a)	greater-than above double-line equal above less-than
U+02A8D		➤					➤	\lsime	less-than above similar or equal
U+02A8E		➤					➤	\gsime	greater-than above similar or equal
U+02A8F		➤					➤	\lsimg	less-than above similar above greater-than
U+02A90		➤					➤	\gsiml	greater-than above similar above less-than
U+02A91		➤						\lgE	less-than above greater-than above double-line equal
U+02A92		➤						\glE	greater-than above less-than above double-line equal
U+02A93		➤						\lesges	less-than above slanted equal above greater-than above slanted equal
U+02A94		➤						\gesles	greater-than above slanted equal above less-than above slanted equal
U+02A95	➤	➤	➤	➤	➤			\eqslantless ^(a)	slanted equal to or less-than

USV	M	S	E	X	P	L	G	Macro	Description
U+02A96	➤	➤	➤	➤	➤			<code>\eqslantgtr^(a)</code>	slanted equal to or greater-than
U+02A97		⋈						<code>\elsdot</code>	slanted equal to or less-than with dot inside
U+02A98		⋈						<code>\egsdot</code>	slanted equal to or greater-than with dot inside
U+02A99		⋈						<code>\eqqless</code>	double-line equal to or less-than
U+02A9A		⋈						<code>\eqqgtr</code>	double-line equal to or greater-than
U+02A9B		⋈	⋈					<code>\eqqslantless</code>	double-line slanted equal to or less-than
U+02A9C		⋈	⋈					<code>\eqqslantgtr</code>	double-line slanted equal to or greater-than
U+02A9D		⋈						<code>\simless</code>	similar or less-than
U+02A9E		⋈						<code>\simgtr</code>	similar or greater-than
U+02A9F		⋈						<code>\simlE</code>	similar above less-than above equals sign
U+02AA0		⋈						<code>\simgE</code>	similar above greater-than above equals sign
U+02AA1		⋈						<code>\Lt</code>	double nested less-than
U+02AA2		⋈						<code>\Gt</code>	double nested greater-than
U+02AA3		⋈						<code>\partialmeetcontraction</code>	double less-than with underbar
U+02AA4		⋈						<code>\glj</code>	greater-than overlapping less-than
U+02AA5		⋈						<code>\gla</code>	greater-than beside less-than
U+02AA6		⋈						<code>\ltcc</code>	less-than closed by curve
U+02AA7		⋈						<code>\gtcc</code>	greater-than closed by curve
U+02AA8		⋈						<code>\lescc</code>	less-than closed by curve above slanted equal
U+02AA9		⋈						<code>\gescc</code>	greater-than closed by curve above slanted equal

USV	M	S	E	X	P	L	G	Macro	Description
U+02AAA		➤						\smt	smaller than
U+02AAB		➤						\lat	larger than
U+02AAC		➤						\smte	smaller than or equal to
U+02AAD		➤						\late	larger than or equal to
U+02AAE		≡					≡	\bumpeq	equals sign with bumpy above
U+02AAF	⋈	➤	⋈	⋈	⋈	⋈	⋈	\preceq ^(p)	precedes above single-line equals sign
U+02AB0	⋈	➤	⋈	⋈	⋈	⋈	⋈	\succeq ^(p)	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 ^(a)	precedes above not equal to
U+02AB6		⋈	⋈	⋈		⋈	⋈	\succneqq ^(a)	succeeds above not equal to
U+02AB7		≈	≈	≈			≈	\precapprox ^(a)	precedes above almost equal to
U+02AB8		≈	≈	≈			≈	\succapprox ^(a)	succeeds above almost equal to
U+02AB9		≈	≈	≈			≈	\precnapprox ^(a)	precedes above not almost equal to
U+02ABA		≈	≈	≈			≈	\succnapprox ^(a)	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	X	P	L	G	Macro	Description
U+02ABF		𐌿						<code>\subsetplus</code>	subset with plus sign below
U+02AC0		𐍀						<code>\supsetplus</code>	superset with plus sign below
U+02AC1		𐍁						<code>\submult</code>	subset with multiplication sign below
U+02AC2		𐍂						<code>\supmult</code>	superset with multiplication sign below
U+02AC3		𐍃						<code>\subedot</code>	subset of or equal to with dot above
U+02AC4		𐍄						<code>\supedot</code>	superset of or equal to with dot above
U+02AC5		𐍅	𐍆	𐍇			𐍈	<code>\subseteqq^(a)</code>	subset of above equals sign
U+02AC6		𐍉	𐍊	𐍋			𐍌	<code>\supseteqq^(a)</code>	superset of above equals sign
U+02AC7		𐍍					𐍎	<code>\subset\sim</code>	subset of above tilde operator
U+02AC8		𐍏					𐍐	<code>\supset\sim</code>	superset of above tilde operator
U+02AC9		𐍑					𐍒	<code>\subsetapprox</code>	subset of above almost equal to
U+02ACA		𐍓					𐍔	<code>\supsetapprox</code>	superset of above almost equal to
U+02ACB		𐍕	𐍖	𐍗			𐍘	<code>\subsetneqq^(a)</code>	subset of above not equal to
U+02ACC		𐍙	𐍚	𐍛			𐍜	<code>\supsetneqq^(a)</code>	superset of above not equal to
U+02ACD		𐍝						<code>\lsqhook</code>	square left open box operator
U+02ACE		𐍞						<code>\rsqhook</code>	square right open box operator
U+02ACF		𐍟						<code>\csub</code>	closed subset
U+02AD0		𐍠						<code>\csup</code>	closed superset
U+02AD1		𐍡						<code>\csube</code>	closed subset or equal to
U+02AD2		𐍢						<code>\csupe</code>	closed superset or equal to
U+02AD3		𐍣						<code>\subsup</code>	subset above superset

USV	M	S	E	X	P	L	G	Macro	Description
U+02AD4		⊇						\supsub	superset above subset
U+02AD5		⊆						\subsub	subset above subset
U+02AD6		⊇						\supsup	superset above superset
U+02AD7		⊃						\supsub	superset beside subset
U+02AD8		⊃						\supdsub	superset beside and joined by dash with subset
U+02AD9		⋏						\forkv	element of opening downwards
U+02ADA		⋏						\topfork	pitchfork with tee top
U+02ADB		⋏						\mlcp	transversal intersection
U+02ADC		⋏						\forks	forking
U+02ADD		⋏						\forksnot	nonforking
U+02ADE		⌞						\shortlefttack	short left tack
U+02ADF		⌞						\shortdowntack	short down tack
U+02AE0		⌞						\shortuptack	short up tack
U+02AE2		⌞						\vDdash	vertical bar triple right turnstile
U+02AE3		⌞						\dashV	double vertical bar left turnstile
U+02AE4		⌞						\Dashv	vertical bar double left turnstile
U+02AE5		⌞						\DashV	double vertical bar double left turnstile
U+02AE6		⌞						\varVdash	long dash from left member of double vertical
U+02AE7		⌞						\Barv	short down tack with overbar
U+02AE8		⌞						\vBar	short up tack with underbar
U+02AE9		⌞						\vBarv	short up tack above short down tack

USV	M	S	E	X	P	L	G	Macro	Description
U+02AEA		⏏						<code>\barV</code>	double down tack
U+02AEB		⏐						<code>\Vbar</code>	double up tack
U+02AEC		⏎						<code>\Not</code>	double stroke not sign
U+02AED		⏏						<code>\bNot</code>	reversed double stroke not sign
U+02AEE		⏊						<code>\revnmid</code>	does not divide with reversed negation slash
U+02AEF		⏋						<code>\cirmid</code>	vertical line with circle above
U+02AF0		⏌						<code>\midcir</code>	vertical line with circle below
U+02AF2		⏍						<code>\nhpar</code>	parallel with horizontal stroke
U+02AF3		⏎						<code>\parsim</code>	parallel with tilde operator
U+02AF7		⏏						<code>\lllnest</code>	stacked very much less-than
U+02AF8		⏐						<code>\gggnest</code>	stacked very much greater-than
U+02AF9		⏑	⏑	⏑				<code>\leqqslant</code>	double-line slanted less-than or equal to
U+02AFA		⏒	⏒	⏒				<code>\geqqslant</code>	double-line slanted greater-than or equal to
U+02B30		↶					↶	<code>\circleonleftarrow</code>	left arrow with small circle
U+02B31	↶	↶	↶	↶	↶	↶	↶	<code>\leftthreearrows</code>	three leftwards arrows
U+02B32		↶						<code>\leftarrowonoplus</code>	left arrow with circled plus
U+02B33	↶	↶	↶	↶	↶		↶	<code>\longleftsquigarrow</code>	long leftwards squiggle arrow
U+02B34		↶						<code>\nvtwoheadleftarrow</code>	leftwards two-headed arrow with vertical stroke
U+02B35		↶						<code>\nVtwoheadleftarrow</code>	leftwards two-headed arrow with double vertical stroke
U+02B36		↶						<code>\twoheadmapsfrom</code>	leftwards two-headed arrow from bar
U+02B37		↶						<code>\twoheadleftdbkarrow</code>	leftwards two-headed triple-dash arrow

USV	M	S	E	X	P	L	G	Macro	Description
U+02B38		←⋯						\leftdotarrow	leftwards arrow with dotted stem
U+02B39		↵						\nleftarrowtail	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
U+02B45		↵↵↵↵					↵↵↵↵	\Lleftarrow	leftwards quadruple arrow
U+02B46		➤➤➤➤					➤➤➤➤	\Rrightarrow	rightwards quadruple arrow
U+02B47		↵↶						\bsimilarrightarrow	reverse tilde operator above rightwards arrow
U+02B48		➤≈						\rightarrowbackapprox	rightwards arrow above reverse almost equal to
U+02B49		↵~						\similarleftarrow	tilde operator above leftwards arrow

USV	M	S	E	X	P	L	G	Macro	Description
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	X	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
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

USV	M	S	E	X	P	L	G	Macro	Description
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	X	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
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

usv	M	S	E	X	P	L	G	Macro	Description
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		Ϝ					ϝ	\upDigamma	capital digamma
U+003DD		ϝ	ϝ	ϝ			Ϟ	\updigamma	old greek small letter digamma
U+003F0	Ϡ	Ϡ	Ϡ	Ϡ	Ϡ	Ϡ	Ϡ	\mupvarkappa	rounded small kappa, greek
U+003F1	ϙ	ϙ	ϙ	ϙ	ϙ	ϙ	ϙ	\mupvarrho	rounded small rho, greek
U+003F4	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupvarTheta	greek capital theta symbol
U+003F5	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mupepsilon	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

USV	M	S	E	X	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
U+1D444	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	\mitQ	mathematical italic capital q
U+1D445	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	\mitR	mathematical italic capital r
U+1D446	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	\mitS	mathematical italic capital s
U+1D447	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	\mitT	mathematical italic capital t
U+1D448	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	\mitU	mathematical italic capital u
U+1D449	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	\mitV	mathematical italic capital v

USV	M	S	E	X	P	L	G	Macro	Description
U+1D44A	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<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	X	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
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

USV	M	S	E	X	P	L	G	Macro	Description
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	X	P	L	G	Macro	Description
U+1D6E2	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mitAlpha</code>	mathematical italic capital alpha
U+1D6E3	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<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>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mitEpsilon</code>	mathematical italic capital epsilon
U+1D6E7	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mitZeta</code>	mathematical italic capital zeta
U+1D6E8	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<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>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 capital iota

USV	M	S	E	X	P	L	G	Macro	Description
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>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<code>\mitMu</code>	mathematical italic capital mu
U+1D6EE	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</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>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</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
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	X	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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D6FE	γ	γ	γ	γ	γ	γ	γ	<code>\mitgamma</code>	mathematical italic small gamma
U+1D6FF	δ	δ	δ	δ	δ	δ	δ	<code>\mitdelta</code>	mathematical italic small delta
U+1D700	ε	ε	ε	ε	ε	ε	ε	<code>\mitvarepsilon</code>	mathematical italic small varepsilon
U+1D701	ζ	ζ	ζ	ζ	ζ	ζ	ζ	<code>\mitzeta</code>	mathematical italic small zeta
U+1D702	η	η	η	η	η	η	η	<code>\miteta</code>	mathematical italic small eta
U+1D703	θ	θ	θ	θ	θ	θ	θ	<code>\mittheta</code>	mathematical italic small theta
U+1D704	ι	ι	ι	ι	ι	ι	ι	<code>\mitiota</code>	mathematical italic small iota
U+1D705	κ	κ	κ	κ	κ	κ	κ	<code>\mitkappa</code>	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ	λ	<code>\mitlambda</code>	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ	μ	<code>\mitmu</code>	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν	ν	<code>\mitnu</code>	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ	ξ	<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	π	π	π	π	π	π	π	<code>\mitpi</code>	mathematical italic small pi
U+1D70C	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mitrho</code>	mathematical italic small rho
U+1D70D	ς	ς	ς	ς	ς	ς	ς	<code>\mitvarsigma</code>	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ	σ	<code>\mitsigma</code>	mathematical italic small sigma
U+1D70F	τ	τ	τ	τ	τ	τ	τ	<code>\mittau</code>	mathematical italic small tau
U+1D710	υ	υ	υ	υ	υ	υ	υ	<code>\mitupsilon</code>	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	φ	φ	φ	<code>\mitvarphi</code>	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ	χ	<code>\mitchi</code>	mathematical italic small chi

USV	M	S	E	X	P	L	G	Macro	Description
U+1D713	<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 small psi
U+1D714	<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 small omega
U+1D715	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<code>\mitpartial</code>	mathematical italic partial differential
U+1D716	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
U+1D717	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<code>\mitvartheta</code>	mathematical italic theta symbol
U+1D718	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<code>\mitvarkappa</code>	mathematical italic kappa symbol
U+1D719	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<code>\mitphi</code>	mathematical italic phi symbol
U+1D71A	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<code>\mitvarrho</code>	mathematical italic rho symbol
U+1D71B	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<code>\mitvarpi</code>	mathematical italic pi symbol

15.1.7 Script, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D49C	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mscrA</code>	mathematical script capital a
U+1D49E	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mscrC</code>	mathematical script capital c
U+1D49F	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mscrD</code>	mathematical script capital d
U+1D4A2	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mscrG</code>	mathematical script capital g
U+1D4A5	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mscrJ</code>	mathematical script capital j
U+1D4A6	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mscrK</code>	mathematical script capital k
U+1D4A9	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mscrN</code>	mathematical script capital n
U+1D4AA	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<i>O</i>	<code>\mscrO</code>	mathematical script capital o
U+1D4AB	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<code>\mscrP</code>	mathematical script capital p

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4AC	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<i>Q</i>	<code>\mscrQ</code>	mathematical script capital q
U+1D4AE	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>	<code>\mscrS</code>	mathematical script capital s
U+1D4AF	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<code>\mscrT</code>	mathematical script capital t
U+1D4B0	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mscrU</code>	mathematical script capital u
U+1D4B1	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>U</i>	<i>V</i>	<i>V</i>	<code>\mscrV</code>	mathematical script capital v
U+1D4B2	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>U</i>	<i>W</i>	<i>W</i>	<code>\mscrW</code>	mathematical script capital w
U+1D4B3	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mscrX</code>	mathematical script capital x
U+1D4B4	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mscrY</code>	mathematical script capital y
U+1D4B5	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mscrZ</code>	mathematical script capital z

15.1.8 Script, Latin, lowercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4B6	<i>a</i>				<i>a</i>	<i>a</i>	<i>a</i>	<code>\mscra</code>	mathematical script small a
U+1D4B7	<i>b</i>				<i>b</i>	<i>b</i>	<i>b</i>	<code>\mscrb</code>	mathematical script small b
U+1D4B8	<i>c</i>				<i>c</i>	<i>c</i>	<i>c</i>	<code>\mscrc</code>	mathematical script small c
U+1D4B9	<i>d</i>				<i>d</i>	<i>d</i>	<i>d</i>	<code>\mscrd</code>	mathematical script small d
U+1D4BB	<i>f</i>				<i>f</i>	<i>f</i>	<i>f</i>	<code>\mscrf</code>	mathematical script small f
U+1D4BD	<i>h</i>				<i>h</i>	<i>h</i>	<i>h</i>	<code>\mscrh</code>	mathematical script small h
U+1D4BE	<i>i</i>				<i>i</i>	<i>i</i>	<i>i</i>	<code>\mscri</code>	mathematical script small i
U+1D4BF	<i>j</i>				<i>j</i>	<i>j</i>	<i>j</i>	<code>\mscrj</code>	mathematical script small j
U+1D4C0	<i>k</i>				<i>k</i>	<i>k</i>	<i>k</i>	<code>\mscrk</code>	mathematical script small k
U+1D4C1	<i>l</i>				<i>l</i>	<i>l</i>	<i>l</i>	<code>\mscrl</code>	mathematical script small l

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4C2		<i>m</i>			<i>m</i>	<i>m</i>	<i>m</i>	<code>\mscrm</code>	mathematical script small m
U+1D4C3		<i>n</i>			<i>n</i>	<i>n</i>	<i>n</i>	<code>\mscrn</code>	mathematical script small n
U+1D4C5		<i>p</i>			<i>p</i>	<i>p</i>	<i>p</i>	<code>\mscrp</code>	mathematical script small p
U+1D4C6		<i>q</i>			<i>q</i>	<i>q</i>	<i>q</i>	<code>\mscrq</code>	mathematical script small q
U+1D4C7		<i>r</i>			<i>r</i>	<i>r</i>	<i>r</i>	<code>\mscrr</code>	mathematical script small r
U+1D4C8		<i>s</i>			<i>s</i>	<i>s</i>	<i>s</i>	<code>\mscrs</code>	mathematical script small s
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	X	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
























































































































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

15.1.10 Fraktur, Latin, lowercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D51E	𝔞	𝔟	𝔠	𝔡	𝔞	𝔟	𝔞	\mfraka	mathematical fraktur small a
U+1D51F	𝔟	𝔞	𝔠	𝔡	𝔞	𝔟	𝔞	\mfrakb	mathematical fraktur small b
U+1D520	𝔠	𝔞	𝔠	𝔡	𝔞	𝔟	𝔞	\mfracc	mathematical fraktur small c
U+1D521	𝔡	𝔞	𝔠	𝔡	𝔞	𝔟	𝔞	\mfrakd	mathematical fraktur small d

usv	M	S	E	X	P	L	G	Macro	Description
U+1D522	𝄡	𝄢	𝄣	𝄤	𝄥	𝄦	𝄧	\mfrake	mathematical fraktur small e
U+1D523	𝄨	𝄩	𝄪	𝄫	𝄬	𝄭	𝄮	\mfrakf	mathematical fraktur small f
U+1D524	𝄮	𝄯	𝄰	𝄱	𝄲	𝄳	𝄴	\mfrakg	mathematical fraktur small g
U+1D525	𝄴	𝄵	𝄶	𝄷	𝄸	𝄹	𝄺	\mfrakh	mathematical fraktur small h
U+1D526	𝄺	𝄻	𝄼	𝄽	𝄾	𝄿	𝅀	\mfraki	mathematical fraktur small i
U+1D527	𝅀	𝅁	𝅂	𝅃	𝅄	𝅅	𝅆	\mfrakj	mathematical fraktur small j
U+1D528	𝅆	𝅇	𝅈	𝅉	𝅊	𝅋	𝅌	\mfrakk	mathematical fraktur small k
U+1D529	𝅌	𝅍	𝅎	𝅏	𝅐	𝅑	𝅒	\mfrakl	mathematical fraktur small l
U+1D52A	𝅒	𝅓	𝅔	𝅕	𝅖	𝅗	𝅘	\mfrakm	mathematical fraktur small m
U+1D52B	𝅘	𝅙	𝅚	𝅛	𝅜	𝅝	𝅗𝅥	\mfrakn	mathematical fraktur small n
U+1D52C	𝅗𝅥	𝅘𝅥	𝅘𝅥𝅮	𝅘𝅥𝅯	𝅘𝅥𝅰	𝅘𝅥𝅱	𝅘𝅥𝅲	\mfrako	mathematical fraktur small o
U+1D52D	𝅘𝅥𝅲	𝅥	𝅦	𝅧	𝅨	𝅩	𝅪	\mfrakp	mathematical fraktur small p
U+1D52E	𝅪	𝅫	𝅬	𝅭	𝅮	𝅯	𝅰	\mfrakq	mathematical fraktur small q
U+1D52F	𝅰	𝅱	𝅲	𝅳	𝅴	𝅵	𝅶	\mfrakr	mathematical fraktur small r
U+1D530	𝅶	𝅷	𝅸	𝅹	𝅺	𝅻	𝅼	\mfraks	mathematical fraktur small s
U+1D531	𝅼	𝅽	𝅾	𝅿	𝆀	𝆁	𝆂	\mfrakt	mathematical fraktur small t
U+1D532	𝆂	𝆃	𝆄	𝆅	𝆆	𝆇	𝆈	\mfraku	mathematical fraktur small u
U+1D533	𝆈	𝆉	𝆊	𝆋	𝆌	𝆍	𝆎	\mfrakv	mathematical fraktur small v
U+1D534	𝆎	𝆏	𝆐	𝆑	𝆒	𝆓	𝆔	\mfrakw	mathematical fraktur small w
U+1D535	𝆔	𝆕	𝆖	𝆗	𝆘	𝆙	𝆚	\mfrakx	mathematical fraktur small x
U+1D536	𝆚	𝆛	𝆜	𝆝	𝆞	𝆟	𝆠	\mfraky	mathematical fraktur small y
U+1D537	𝆠	𝆡	𝆢	𝆣	𝆤	𝆥	𝆦	\mfrakz	mathematical fraktur small z

15.1.11 Blackboard, Latin, uppercase

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

usv	M	S	E	X	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	X	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 ^(a)	mathematical double-struck small k
U+1D55D	l	l	l		l	l	l	\Bbb l	mathematical double-struck small l
U+1D55E	m	m	m		m	m	m	\Bbbm	mathematical double-struck small m
U+1D55F	n	n	n		n	n	n	\Bbbn	mathematical double-struck small n

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

15.1.13 Sans serif, Latin, uppercase

usv	M	S	E	X	P	L	G	Macro	Description
U+1D5A0	A	A	A	A	A	A	A	\msansA	mathematical sans-serif capital a
U+1D5A1	B	B	B	B	B	B	B	\msansB	mathematical sans-serif capital b
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

USV	M	S	E	X	P	L	G	Macro	Description
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
U+1D5B4	U	U	U	U	U	U	U	\msansU	mathematical sans-serif capital u
U+1D5B5	V	V	V	V	V	V	V	\msansV	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W	W	\msansW	mathematical sans-serif capital w

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

15.1.14 Sans serif, Latin, lowercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D5CA	q	q	q	q	q	q	q	\msansq	mathematical sans-serif small q
U+1D5CB	r	r	r	r	r	r	r	\msansr	mathematical sans-serif small r
U+1D5CC	s	s	s	s	s	s	s	\msanss	mathematical sans-serif small s
U+1D5CD	t	t	t	t	t	t	t	\msanst	mathematical sans-serif small t
U+1D5CE	u	u	u	u	u	u	u	\msansu	mathematical sans-serif small u
U+1D5CF	v	v	v	v	v	v	v	\msansv	mathematical sans-serif small v
U+1D5D0	w	w	w	w	w	w	w	\msansw	mathematical sans-serif small w
U+1D5D1	x	x	x	x	x	x	x	\msansx	mathematical sans-serif small x
U+1D5D2	y	y	y	y	y	y	y	\msansy	mathematical sans-serif small y
U+1D5D3	z	z	z	z	z	z	z	\msansz	mathematical sans-serif small z

15.1.15 Italic sans serif, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D608	A	A	A	A	A	A	A	\mitsansA	mathematical sans-serif italic capital a
U+1D609	B	B	B	B	B	B	B	\mitsansB	mathematical sans-serif italic capital b
U+1D60A	C	C	C	C	C	C	C	\mitsansC	mathematical sans-serif italic capital c
U+1D60B	D	D	D	D	D	D	D	\mitsansD	mathematical sans-serif italic capital d
U+1D60C	E	E	E	E	E	E	E	\mitsansE	mathematical sans-serif italic capital e
U+1D60D	F	F	F	F	F	F	F	\mitsansF	mathematical sans-serif italic capital f
U+1D60E	G	G	G	G	G	G	G	\mitsansG	mathematical sans-serif italic capital g
U+1D60F	H	H	H	H	H	H	H	\mitsansH	mathematical sans-serif italic capital h

USV	M	S	E	X	P	L	G	Macro	Description
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
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	X	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
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

usv	M	S	E	X	P	L	G	Macro	Description
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
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	X	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

usv	M	S	E	X	P	L	G	Macro	Description
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
u+1D67D	N	N	N	N	N	N	N	<code>\mttN</code>	mathematical monospace capital n
u+1D67E	O	O	O	O	O	O	O	<code>\mttO</code>	mathematical monospace capital o
u+1D67F	P	P	P	P	P	P	P	<code>\mttP</code>	mathematical monospace capital p
u+1D680	Q	Q	Q	Q	Q	Q	Q	<code>\mttQ</code>	mathematical monospace capital q
u+1D681	R	R	R	R	R	R	R	<code>\mttR</code>	mathematical monospace capital r
u+1D682	S	S	S	S	S	S	S	<code>\mttS</code>	mathematical monospace capital s
u+1D683	T	T	T	T	T	T	T	<code>\mttT</code>	mathematical monospace capital t
u+1D684	U	U	U	U	U	U	U	<code>\mttU</code>	mathematical monospace capital u
u+1D685	V	V	V	V	V	V	V	<code>\mttV</code>	mathematical monospace capital v
u+1D686	W	W	W	W	W	W	W	<code>\mttW</code>	mathematical monospace capital w

USV	M	S	E	X	P	L	G	Macro	Description
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	X	P	L	G	Macro	Description
U+1D68A	a	a	a	a	a	a	a	\mtta	mathematical monospace small a
U+1D68B	b	b	b	b	b	b	b	\mttb	mathematical monospace small b
U+1D68C	c	c	c	c	c	c	c	\mttc	mathematical monospace small c
U+1D68D	d	d	d	d	d	d	d	\mttd	mathematical monospace small d
U+1D68E	e	e	e	e	e	e	e	\mtte	mathematical monospace small e
U+1D68F	f	f	f	f	f	f	f	\mttf	mathematical monospace small f
U+1D690	g	g	g	g	g	g	g	\mttg	mathematical monospace small g
U+1D691	h	h	h	h	h	h	h	\mtth	mathematical monospace small h
U+1D692	i	i	i	i	i	i	i	\mtti	mathematical monospace small i
U+1D693	j	j	j	j	j	j	j	\mttj	mathematical monospace small j
U+1D694	k	k	k	k	k	k	k	\mttk	mathematical monospace small k
U+1D695	l	l	l	l	l	l	l	\mttl	mathematical monospace small l

usv	M	S	E	X	P	L	G	Macro	Description
U+1D696	m	m	m	m	m	m	m	<code>\mttm</code>	mathematical monospace small m
U+1D697	n	n	n	n	n	n	n	<code>\mttn</code>	mathematical monospace small n
U+1D698	o	o	o	o	o	o	o	<code>\mtto</code>	mathematical monospace small o
U+1D699	p	p	p	p	p	p	p	<code>\mttp</code>	mathematical monospace small p
U+1D69A	q	q	q	q	q	q	q	<code>\mttq</code>	mathematical monospace small q
U+1D69B	r	r	r	r	r	r	r	<code>\mttr</code>	mathematical monospace small r
U+1D69C	s	s	s	s	s	s	s	<code>\mtts</code>	mathematical monospace small s
U+1D69D	t	t	t	t	t	t	t	<code>\mttt</code>	mathematical monospace small t
U+1D69E	u	u	u	u	u	u	u	<code>\mttu</code>	mathematical monospace small u
U+1D69F	v	v	v	v	v	v	v	<code>\mttv</code>	mathematical monospace small v
U+1D6A0	w	w	w	w	w	w	w	<code>\mttw</code>	mathematical monospace small w
U+1D6A1	x	x	x	x	x	x	x	<code>\mttx</code>	mathematical monospace small x
U+1D6A2	y	y	y	y	y	y	y	<code>\mtty</code>	mathematical monospace small y
U+1D6A3	z	z	z	z	z	z	z	<code>\mttz</code>	mathematical monospace small z

15.2 Bold

15.2.1 Bold, Latin, uppercase

usv	M	S	E	X	P	L	G	Macro	Description
U+1D400	A	A	A	A	A	A	A	<code>\mbfA</code>	mathematical bold capital a
U+1D401	B	B	B	B	B	B	B	<code>\mbfB</code>	mathematical bold capital b

USV	M	S	E	X	P	L	G	Macro	Description
U+1D402	C	C	C	C	C	C	C	\mbfC	mathematical bold capital c
U+1D403	D	D	D	D	D	D	D	\mbfD	mathematical bold capital d
U+1D404	E	E	E	E	E	E	E	\mbfE	mathematical bold capital e
U+1D405	F	F	F	F	F	F	F	\mbfF	mathematical bold capital f
U+1D406	G	G	G	G	G	G	G	\mbfG	mathematical bold capital g
U+1D407	H	H	H	H	H	H	H	\mbfH	mathematical bold capital h
U+1D408	I	I	I	I	I	I	I	\mbfI	mathematical bold capital i
U+1D409	J	J	J	J	J	J	J	\mbfJ	mathematical bold capital j
U+1D40A	K	K	K	K	K	K	K	\mbfK	mathematical bold capital k
U+1D40B	L	L	L	L	L	L	L	\mbfL	mathematical bold capital l
U+1D40C	M	M	M	M	M	M	M	\mbfM	mathematical bold capital m
U+1D40D	N	N	N	N	N	N	N	\mbfN	mathematical bold capital n
U+1D40E	O	O	O	O	O	O	O	\mbfO	mathematical bold capital o
U+1D40F	P	P	P	P	P	P	P	\mbfP	mathematical bold capital p
U+1D410	Q	Q	Q	Q	Q	Q	Q	\mbfQ	mathematical bold capital q
U+1D411	R	R	R	R	R	R	R	\mbfR	mathematical bold capital r
U+1D412	S	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	\mbfV	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	\mbfW	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	\mbfX	mathematical bold capital x

USV	M	S	E	X	P	L	G	Macro	Description
U+1D418	Y	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

15.2.2 Bold, Latin, lowercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D41A	a	a	a	a	a	a	a	\mbfa	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	\mbfb	mathematical bold small b
U+1D41C	c	c	c	c	c	c	c	\mbfc	mathematical bold small c
U+1D41D	d	d	d	d	d	d	d	\mbfd	mathematical bold small d
U+1D41E	e	e	e	e	e	e	e	\mbfe	mathematical bold small e
U+1D41F	f	f	f	f	f	f	f	\mbff	mathematical bold small f
U+1D420	g	g	g	g	g	g	g	\mbfg	mathematical bold small g
U+1D421	h	h	h	h	h	h	h	\mbfh	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	\mbfi	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	\mbfj	mathematical bold small j
U+1D424	k	k	k	k	k	k	k	\mbfk	mathematical bold small k
U+1D425	l	l	l	l	l	l	l	\mbfl	mathematical bold small l
U+1D426	m	m	m	m	m	m	m	\mbfm	mathematical bold small m
U+1D427	n	n	n	n	n	n	n	\mbfn	mathematical bold small n
U+1D428	o	o	o	o	o	o	o	\mbfo	mathematical bold small o
U+1D429	p	p	p	p	p	p	p	\mbfp	mathematical bold small p
U+1D42A	q	q	q	q	q	q	q	\mbfq	mathematical bold small q

USV	M	S	E	X	P	L	G	Macro	Description
U+1D42B	r	r	r	r	r	r	r	<code>\mbfr</code>	mathematical bold small r
U+1D42C	s	s	s	s	s	s	s	<code>\mbfs</code>	mathematical bold small s
U+1D42D	t	t	t	t	t	t	t	<code>\mbft</code>	mathematical bold small t
U+1D42E	u	u	u	u	u	u	u	<code>\mbfu</code>	mathematical bold small u
U+1D42F	v	v	v	v	v	v	v	<code>\mbfv</code>	mathematical bold small v
U+1D430	w	w	w	w	w	w	w	<code>\mbfw</code>	mathematical bold small w
U+1D431	x	x	x	x	x	x	x	<code>\mbfx</code>	mathematical bold small x
U+1D432	y	y	y	y	y	y	y	<code>\mbfy</code>	mathematical bold small y
U+1D433	z	z	z	z	z	z	z	<code>\mbfz</code>	mathematical bold small z

15.2.3 Bold Greek, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D6A8	A	A	A	A	A	A	A	<code>\mbfAlpha</code>	mathematical bold capital alpha
U+1D6A9	B	B	B	B	B	B	B	<code>\mbfBeta</code>	mathematical bold capital beta
U+1D6AA	Γ	Γ	Γ	Γ	Γ	Γ	Γ	<code>\mbfGamma</code>	mathematical bold capital gamma
U+1D6AB	Δ	Δ	Δ	Δ	Δ	Δ	Δ	<code>\mbfDelta</code>	mathematical bold capital delta
U+1D6AC	E	E	E	E	E	E	E	<code>\mbfEpsilon</code>	mathematical bold capital epsilon
U+1D6AD	Z	Z	Z	Z	Z	Z	Z	<code>\mbfZeta</code>	mathematical bold capital zeta
U+1D6AE	H	H	H	H	H	H	H	<code>\mbfEta</code>	mathematical bold capital eta
U+1D6AF	Θ	Θ	Θ	Θ	Θ	Θ	Θ	<code>\mbfTheta</code>	mathematical bold capital theta
U+1D6B0	I	I	I	I	I	I	I	<code>\mbfIota</code>	mathematical bold capital iota
U+1D6B1	K	K	K	K	K	K	K	<code>\mbfKappa</code>	mathematical bold capital kappa

USV	M	S	E	X	P	L	G	Macro	Description
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	Μ	Μ	Μ	Μ	Μ	Μ	Μ	\mbfMu	mathematical bold capital mu
U+1D6B4	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfXi	mathematical bold capital xi
U+1D6B6	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mbfOmicron	mathematical bold capital omicron
U+1D6B7	Π	Π	Π	Π	Π	Π	Π	\mbfPi	mathematical bold capital pi
U+1D6B8	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfRho	mathematical bold capital rho
U+1D6B9	Θ	Θ	Θ	Θ	Θ	Θ	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	X	P	L	G	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	\mbfalphabet	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

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

USV	M	S	E	X	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+1D6EO	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	π	π	π	π	π	π	π	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D468	A	A	A	A	A	A	A	\mbfitA	mathematical bold italic capital a
U+1D469	B	B	B	B	B	B	B	\mbfitB	mathematical bold italic capital b
U+1D46A	C	C	C	C	C	C	C	\mbfitC	mathematical bold italic capital c
U+1D46B	D	D	D	D	D	D	D	\mbfitD	mathematical bold italic capital d
U+1D46C	E	E	E	E	E	E	E	\mbfitE	mathematical bold italic capital e
U+1D46D	F	F	F	F	F	F	F	\mbfitF	mathematical bold italic capital f
U+1D46E	G	G	G	G	G	G	G	\mbfitG	mathematical bold italic capital g
U+1D46F	H	H	H	H	H	H	H	\mbfitH	mathematical bold italic capital h

USV	M	S	E	X	P	L	G	Macro	Description
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
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

usv	M	S	E	X	P	L	G	Macro	Description
-----	---	---	---	---	---	---	---	-------	-------------

15.2.6 Bold italic, Latin, lowercase

usv	M	S	E	X	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>	\mbfita	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>	\mbfitb	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>	\mbfitc	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>	\mbfitd	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>	\mbfite	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>	\mbfitf	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>	\mbfitg	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>	\mbfith	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>	\mbfiti	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>	\mbfitj	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>	\mbfitk	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>	\mbfitl	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>	\mbfitm	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>	\mbfitn	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>	\mbfito	mathematical bold italic small o
U+1D491	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	\mbfitp	mathematical bold italic small p
U+1D492	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	\mbfitq	mathematical bold italic small q
U+1D493	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	\mbfitr	mathematical bold italic small r
U+1D494	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	\mbfits	mathematical bold italic small s

USV	M	S	E	X	P	L	G	Macro	Description
U+1D495	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfitt</code>	mathematical bold italic small t
U+1D496	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mbfitu</code>	mathematical bold italic small u
U+1D497	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mbfitv</code>	mathematical bold italic small v
U+1D498	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mbfitw</code>	mathematical bold italic small w
U+1D499	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfitx</code>	mathematical bold italic small x
U+1D49A	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mbfity</code>	mathematical bold italic small y
U+1D49B	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mbfitz</code>	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D71C	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<i>Α</i>	<code>\mbfitAlpha</code>	mathematical bold italic capital alpha
U+1D71D	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<i>Β</i>	<code>\mbfitBeta</code>	mathematical bold italic capital beta
U+1D71E	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<i>Γ</i>	<code>\mbfitGamma</code>	mathematical bold italic capital gamma
U+1D71F	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<i>Δ</i>	<code>\mbfitDelta</code>	mathematical bold italic capital delta
U+1D720	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<i>Ε</i>	<code>\mbfitEpsilon</code>	mathematical bold italic capital epsilon
U+1D721	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<i>Ζ</i>	<code>\mbfitZeta</code>	mathematical bold italic capital zeta
U+1D722	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<i>Η</i>	<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>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<code>\mbfitIota</code>	mathematical bold italic capital iota
U+1D725	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<code>\mbfitKappa</code>	mathematical bold italic capital kappa

USV	M	S	E	X	P	L	G	Macro	Description
U+1D726	Λ	Λ	Λ	Λ	Λ	Λ	Λ	<code>\mbfitLambda</code>	mathematical bold italic capital lambda
U+1D727	Μ	Μ	Μ	Μ	Μ	Μ	Μ	<code>\mbfitMu</code>	mathematical bold italic capital mu
U+1D728	Ν	Ν	Ν	Ν	Ν	Ν	Ν	<code>\mbfitNu</code>	mathematical bold italic capital nu
U+1D729	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	<code>\mbfitXi</code>	mathematical bold italic capital xi
U+1D72A	Ο	Ο	Ο	Ο	Ο	Ο	Ο	<code>\mbfitOmicron</code>	mathematical bold italic capital omicron
U+1D72B	Π	Π	Π	Π	Π	Π	Π	<code>\mbfitPi</code>	mathematical bold italic capital pi
U+1D72C	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	<code>\mbfitRho</code>	mathematical bold italic capital rho
U+1D72D	Θ	Θ	Θ	Θ	Θ	Θ	Θ	<code>\mbfitvarTheta</code>	mathematical bold italic capital theta symbol
U+1D72E	Σ	Σ	Σ	Σ	Σ	Σ	Σ	<code>\mbfitSigma</code>	mathematical bold italic capital sigma
U+1D72F	Τ	Τ	Τ	Τ	Τ	Τ	Τ	<code>\mbfitTau</code>	mathematical bold italic capital tau
U+1D730	Υ	Υ	Υ	Υ	Υ	Υ	Υ	<code>\mbfitUpsilon</code>	mathematical bold italic capital upsilon
U+1D731	Φ	Φ	Φ	Φ	Φ	Φ	Φ	<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	Χ	Χ	Χ	Χ	Χ	Χ	Χ	<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	Ω	Ω	Ω	Ω	Ω	Ω	Ω	<code>\mbfitOmega</code>	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

usv	M	S	E	X	P	L	G	Macro	Description
U+1D736	α	α	α	α	α	α	α	<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	β	β	β	β	β	β	β	<code>\mbfitbeta</code>	mathematical bold italic small beta
U+1D738	γ	γ	γ	γ	γ	γ	γ	<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	δ	δ	δ	δ	δ	δ	δ	<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	ε	ε	ε	ε	ε	ε	ε	<code>\mbfitvarepsilon</code>	mathematical bold italic small varepsilon
U+1D73B	ζ	ζ	ζ	ζ	ζ	ζ	ζ	<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	η	η	η	η	η	η	η	<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	θ	θ	θ	θ	θ	θ	θ	<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	ι	ι	ι	ι	ι	ι	ι	<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	κ	κ	κ	κ	κ	κ	κ	<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	λ	λ	λ	λ	λ	λ	λ	<code>\mbfitlambda</code>	mathematical bold italic small lambda
U+1D741	μ	μ	μ	μ	μ	μ	μ	<code>\mbfitmu</code>	mathematical bold italic small mu
U+1D742	ν	ν	ν	ν	ν	ν	ν	<code>\mbfitnu</code>	mathematical bold italic small nu
U+1D743	ξ	ξ	ξ	ξ	ξ	ξ	ξ	<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	π	π	π	π	π	π	π	<code>\mbfitpi</code>	mathematical bold italic small pi
U+1D746	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mbfitrho</code>	mathematical bold italic small rho
U+1D747	ς	ς	ς	ς	ς	ς	ς	<code>\mbfitvarsigma</code>	mathematical bold italic small final sigma
U+1D748	σ	σ	σ	σ	σ	σ	σ	<code>\mbfitsigma</code>	mathematical bold italic small sigma

USV	M	S	E	X	P	L	G	Macro	Description
U+1D749	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	<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 small upsilon
U+1D74B	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<code>\mbfitvarphi</code>	mathematical bold italic small phi
U+1D74C	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<code>\mbfitpartial</code>	mathematical bold italic partial differential
U+1D750	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<code>\mbfitepsilon</code>	mathematical bold italic varepsilon symbol
U+1D751	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<code>\mbfitvartheta</code>	mathematical bold italic theta symbol
U+1D752	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<code>\mbfitvarkappa</code>	mathematical bold italic kappa symbol
U+1D753	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<code>\mbfitphi</code>	mathematical bold italic phi symbol
U+1D754	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<code>\mbfitvarrho</code>	mathematical bold italic rho symbol
U+1D755	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<code>\mbfitvarpi</code>	mathematical bold italic pi symbol

15.2.9 Bold script, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4D0	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mbfscrA</code>	mathematical bold script capital a
U+1D4D1	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mbfscrB</code>	mathematical bold script capital b
U+1D4D2	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mbfscrC</code>	mathematical bold script capital c

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4D3	<i>𝒟</i>	<i>𝒟</i>	<i>𝒟</i>	<i>𝒟</i>	<i>𝒟</i>	<i>𝒟</i>	<i>𝒟</i>	<code>\mbfscrD</code>	mathematical bold script capital d
U+1D4D4	<i>𝒠</i>	<i>𝒠</i>	<i>𝒠</i>	<i>𝒠</i>	<i>𝒠</i>	<i>𝒠</i>	<i>𝒠</i>	<code>\mbfscrE</code>	mathematical bold script capital e
U+1D4D5	<i>𝒡</i>	<i>𝒡</i>	<i>𝒡</i>	<i>𝒡</i>	<i>𝒡</i>	<i>𝒡</i>	<i>𝒡</i>	<code>\mbfscrF</code>	mathematical bold script capital f
U+1D4D6	<i>𝒢</i>	<i>𝒢</i>	<i>𝒢</i>	<i>𝒢</i>	<i>𝒢</i>	<i>𝒢</i>	<i>𝒢</i>	<code>\mbfscrG</code>	mathematical bold script capital g
U+1D4D7	<i>𝒣</i>	<i>𝒣</i>	<i>𝒣</i>	<i>𝒣</i>	<i>𝒣</i>	<i>𝒣</i>	<i>𝒣</i>	<code>\mbfscrH</code>	mathematical bold script capital h
U+1D4D8	<i>𝒥</i>	<i>𝒥</i>	<i>𝒥</i>	<i>𝒥</i>	<i>𝒥</i>	<i>𝒥</i>	<i>𝒥</i>	<code>\mbfscrI</code>	mathematical bold script capital i
U+1D4D9	<i>𝒦</i>	<i>𝒦</i>	<i>𝒦</i>	<i>𝒦</i>	<i>𝒦</i>	<i>𝒦</i>	<i>𝒦</i>	<code>\mbfscrJ</code>	mathematical bold script capital j
U+1D4DA	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrK</code>	mathematical bold script capital k
U+1D4DB	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrL</code>	mathematical bold script capital l
U+1D4DC	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrM</code>	mathematical bold script capital m
U+1D4DD	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrN</code>	mathematical bold script capital n
U+1D4DE	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrO</code>	mathematical bold script capital o
U+1D4DF	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrP</code>	mathematical bold script capital p
U+1D4E0	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrQ</code>	mathematical bold script capital q
U+1D4E1	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrR</code>	mathematical bold script capital r
U+1D4E2	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrS</code>	mathematical bold script capital s
U+1D4E3	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrT</code>	mathematical bold script capital t
U+1D4E4	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<i>𝒬</i>	<code>\mbfscrU</code>	mathematical bold script capital u

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4E5	<i>V</i>	<i>v</i>	<i>V</i>	<i>v</i>	<i>U</i>	<i>V</i>	<i>V</i>	<code>\mbfscrV</code>	mathematical bold script capital v
U+1D4E6	<i>W</i>	<i>w</i>	<i>W</i>	<i>w</i>	<i>U</i>	<i>W</i>	<i>W</i>	<code>\mbfscrW</code>	mathematical bold script capital w
U+1D4E7	<i>X</i>	<i>x</i>	<i>X</i>	<i>x</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mbfscrX</code>	mathematical bold script capital x
U+1D4E8	<i>Y</i>	<i>y</i>	<i>Y</i>	<i>y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mbfscrY</code>	mathematical bold script capital y
U+1D4E9	<i>Z</i>	<i>z</i>	<i>Z</i>	<i>z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfscrZ</code>	mathematical bold script capital z

15.2.10 Bold script, Latin, lowercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4EA	<i>a</i>				<i>a</i>	<i>a</i>	<i>a</i>	<code>\mbfscra</code>	mathematical bold script small a
U+1D4EB	<i>b</i>				<i>b</i>	<i>b</i>	<i>b</i>	<code>\mbfscrb</code>	mathematical bold script small b
U+1D4EC	<i>c</i>				<i>c</i>	<i>c</i>	<i>c</i>	<code>\mbfscrc</code>	mathematical bold script small c
U+1D4ED	<i>d</i>				<i>d</i>	<i>d</i>	<i>d</i>	<code>\mbfscrd</code>	mathematical bold script small d
U+1D4EE	<i>e</i>				<i>e</i>	<i>e</i>	<i>e</i>	<code>\mbfscre</code>	mathematical bold script small e
U+1D4EF	<i>f</i>				<i>f</i>	<i>f</i>	<i>f</i>	<code>\mbfscrf</code>	mathematical bold script small f
U+1D4F0	<i>g</i>				<i>g</i>	<i>g</i>	<i>g</i>	<code>\mbfscrg</code>	mathematical bold script small g
U+1D4F1	<i>h</i>				<i>h</i>	<i>h</i>	<i>h</i>	<code>\mbfscrh</code>	mathematical bold script small h
U+1D4F2	<i>i</i>				<i>i</i>	<i>i</i>	<i>i</i>	<code>\mbfscri</code>	mathematical bold script small i
U+1D4F3	<i>j</i>				<i>j</i>	<i>j</i>	<i>j</i>	<code>\mbfscrj</code>	mathematical bold script small j
U+1D4F4	<i>k</i>				<i>k</i>	<i>k</i>	<i>k</i>	<code>\mbfscrk</code>	mathematical bold script small k

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4F5		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrℓ</code>	mathematical bold script small l
U+1D4F6		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrm</code>	mathematical bold script small m
U+1D4F7		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrn</code>	mathematical bold script small n
U+1D4F8		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscro</code>	mathematical bold script small o
U+1D4F9		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrp</code>	mathematical bold script small p
U+1D4FA		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrq</code>	mathematical bold script small q
U+1D4FB		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrs</code>	mathematical bold script small s
U+1D4FD		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscru</code>	mathematical bold script small u
U+1D4FF		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscr v</code>	mathematical bold script small v
U+1D500		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrw</code>	mathematical bold script small w
U+1D501		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscr x</code>	mathematical bold script small x
U+1D502		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscry</code>	mathematical bold script small y
U+1D503		<i>ℓ</i>			<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<code>\mbfscrz</code>	mathematical bold script small z

15.2.11 Bold fraktur, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D56C	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\mbffrakA</code>	mathematical bold fraktur capital a

USV	M	S	E	X	P	L	G	Macro	Description
U+1D56D								<code>\mbffrakB</code>	mathematical bold fraktur capital b
U+1D56E								<code>\mbffrakC</code>	mathematical bold fraktur capital c
U+1D56F								<code>\mbffrakD</code>	mathematical bold fraktur capital d
U+1D570								<code>\mbffrakE</code>	mathematical bold fraktur capital e
U+1D571								<code>\mbffrakF</code>	mathematical bold fraktur capital f
U+1D572								<code>\mbffrakG</code>	mathematical bold fraktur capital g
U+1D573								<code>\mbffrakH</code>	mathematical bold fraktur capital h
U+1D574								<code>\mbffrakI</code>	mathematical bold fraktur capital i
U+1D575								<code>\mbffrakJ</code>	mathematical bold fraktur capital j
U+1D576								<code>\mbffrakK</code>	mathematical bold fraktur capital k
U+1D577								<code>\mbffrakL</code>	mathematical bold fraktur capital l
U+1D578								<code>\mbffrakM</code>	mathematical bold fraktur capital m
U+1D579								<code>\mbffrakN</code>	mathematical bold fraktur capital n
U+1D57A								<code>\mbffrakO</code>	mathematical bold fraktur capital o
U+1D57B								<code>\mbffrakP</code>	mathematical bold fraktur capital p
U+1D57C								<code>\mbffrakQ</code>	mathematical bold fraktur capital q
U+1D57D								<code>\mbffrakR</code>	mathematical bold fraktur capital r
U+1D57E								<code>\mbffrakS</code>	mathematical bold fraktur capital s

USV	M	S	E	X	P	L	G	Macro	Description
U+1D57F	𝔗	𝔘	𝔙	𝔚	𝔛	𝔜	𝔝	<code>\mbffrakT</code>	mathematical bold fraktur capital t
U+1D580	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	𝔤	<code>\mbffrakU</code>	mathematical bold fraktur capital u
U+1D581	𝔧	𝔨	𝔩	𝔪	𝔫	𝔞	𝔟	<code>\mbffrakV</code>	mathematical bold fraktur capital v
U+1D582	𝔠	𝔡	𝔢	𝔣	𝔤	𝔥	𝔞	<code>\mbffrakW</code>	mathematical bold fraktur capital w
U+1D583	𝔡	𝔢	𝔣	𝔤	𝔥	𝔞	𝔟	<code>\mbffrakX</code>	mathematical bold fraktur capital x
U+1D584	𝔤	𝔥	𝔞	𝔟	𝔠	𝔡	𝔢	<code>\mbffrakY</code>	mathematical bold fraktur capital y
U+1D585	𝔥	𝔞	𝔟	𝔠	𝔡	𝔢	𝔣	<code>\mbffrakZ</code>	mathematical bold fraktur capital z

15.2.12 Bold fraktur, Latin, lowercase

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

usv	M	S	E	X	P	L	G	Macro	Description
U+1D58F	j	j	j	j	j	j	j	<code>\mbffrakj</code>	mathematical bold fraktur small j
U+1D590	k	k	k	k	k	k	k	<code>\mbffrakkk</code>	mathematical bold fraktur small k
U+1D591	l	l	l	l	l	l	l	<code>\mbffrakll</code>	mathematical bold fraktur small l
U+1D592	m	m	m	m	m	m	m	<code>\mbffrakmm</code>	mathematical bold fraktur small m
U+1D593	n	n	n	n	n	n	n	<code>\mbffraknn</code>	mathematical bold fraktur small n
U+1D594	o	o	o	o	o	o	o	<code>\mbffrakoo</code>	mathematical bold fraktur small o
U+1D595	p	p	p	p	p	p	p	<code>\mbffrakpp</code>	mathematical bold fraktur small p
U+1D596	q	q	q	q	q	q	q	<code>\mbffrakqq</code>	mathematical bold fraktur small q
U+1D597	r	r	r	r	r	r	r	<code>\mbffrakrr</code>	mathematical bold fraktur small r
U+1D598	s	s	s	s	s	s	s	<code>\mbffrakss</code>	mathematical bold fraktur small s
U+1D599	t	t	t	t	t	t	t	<code>\mbffraktt</code>	mathematical bold fraktur small t
U+1D59A	u	u	u	u	u	u	u	<code>\mbffrakuu</code>	mathematical bold fraktur small u
U+1D59B	v	v	v	v	v	v	v	<code>\mbffrakvv</code>	mathematical bold fraktur small v
U+1D59C	w	w	w	w	w	w	w	<code>\mbffrakww</code>	mathematical bold fraktur small w
U+1D59D	x	x	x	x	x	x	x	<code>\mbffrakxx</code>	mathematical bold fraktur small x
U+1D59E	y	y	y	y	y	y	y	<code>\mbffrakyy</code>	mathematical bold fraktur small y
U+1D59F	z	z	z	z	z	z	z	<code>\mbffrakzz</code>	mathematical bold fraktur small z

15.2.13 Bold sans serif, Latin, uppercase

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

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

15.2.14 Bold sans serif, Latin, lowercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D5F6	i	i	i	i	i	i	i	<code>\mbfsansi</code>	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j	j	j	<code>\mbfsansj</code>	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k	k	k	<code>\mbfsansk</code>	mathematical sans-serif bold small k
U+1D5F9	l	l	l	l	l	l	l	<code>\mbfsansl</code>	mathematical sans-serif bold small l
U+1D5FA	m	m	m	m	m	m	m	<code>\mbfsansm</code>	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n	n	n	<code>\mbfsansn</code>	mathematical sans-serif bold small n
U+1D5FC	o	o	o	o	o	o	o	<code>\mbfsanso</code>	mathematical sans-serif bold small o
U+1D5FD	p	p	p	p	p	p	p	<code>\mbfsansp</code>	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q	q	q	<code>\mbfsansq</code>	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r	r	r	<code>\mbfsansr</code>	mathematical sans-serif bold small r
U+1D600	s	s	s	s	s	s	s	<code>\mbfsanss</code>	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t	t	t	<code>\mbfsanst</code>	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u	u	u	<code>\mbfsansu</code>	mathematical sans-serif bold small u
U+1D603	v	v	v	v	v	v	v	<code>\mbfsansv</code>	mathematical sans-serif bold small v
U+1D604	w	w	w	w	w	w	w	<code>\mbfsansw</code>	mathematical sans-serif bold small w
U+1D605	x	x	x	x	x	x	x	<code>\mbfsansx</code>	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y	y	y	<code>\mbfsansy</code>	mathematical sans-serif bold small y
U+1D607	z	z	z	z	z	z	z	<code>\mbfsansz</code>	mathematical sans-serif bold small z

15.2.15 Bold italic sans serif, Latin, uppercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D63C	A	A	A	A	A	A	A	<code>\mbfitsansA</code>	mathematical sans-serif bold italic capital a
U+1D63D	B	B	B	B	B	B	B	<code>\mbfitsansB</code>	mathematical sans-serif bold italic capital b
U+1D63E	C	C	C	C	C	C	C	<code>\mbfitsansC</code>	mathematical sans-serif bold italic capital c
U+1D63F	D	D	D	D	D	D	D	<code>\mbfitsansD</code>	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	E	E	E	<code>\mbfitsansE</code>	mathematical sans-serif bold italic capital e
U+1D641	F	F	F	F	F	F	F	<code>\mbfitsansF</code>	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	G	G	G	<code>\mbfitsansG</code>	mathematical sans-serif bold italic capital g
U+1D643	H	H	H	H	H	H	H	<code>\mbfitsansH</code>	mathematical sans-serif bold italic capital h
U+1D644	I	I	I	I	I	I	I	<code>\mbfitsansI</code>	mathematical sans-serif bold italic capital i
U+1D645	J	J	J	J	J	J	J	<code>\mbfitsansJ</code>	mathematical sans-serif bold italic capital j
U+1D646	K	K	K	K	K	K	K	<code>\mbfitsansK</code>	mathematical sans-serif bold italic capital k
U+1D647	L	L	L	L	L	L	L	<code>\mbfitsansL</code>	mathematical sans-serif bold italic capital l
U+1D648	M	M	M	M	M	M	M	<code>\mbfitsansM</code>	mathematical sans-serif bold italic capital m
U+1D649	N	N	N	N	N	N	N	<code>\mbfitsansN</code>	mathematical sans-serif bold italic capital n
U+1D64A	O	O	O	O	O	O	O	<code>\mbfitsansO</code>	mathematical sans-serif bold italic capital o
U+1D64B	P	P	P	P	P	P	P	<code>\mbfitsansP</code>	mathematical sans-serif bold italic capital p
U+1D64C	Q	Q	Q	Q	Q	Q	Q	<code>\mbfitsansQ</code>	mathematical sans-serif bold italic capital q

USV	M	S	E	X	P	L	G	Macro	Description
U+1D64D	<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 capital r
U+1D64E	<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 capital s
U+1D64F	<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 capital t
U+1D650	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<code>\mbfitsansU</code>	mathematical sans-serif bold italic capital u
U+1D651	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<i>V</i>	<code>\mbfitsansV</code>	mathematical sans-serif bold italic capital v
U+1D652	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>W</i>	<code>\mbfitsansW</code>	mathematical sans-serif bold italic capital w
U+1D653	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mbfitsansX</code>	mathematical sans-serif bold italic capital x
U+1D654	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mbfitsansY</code>	mathematical sans-serif bold italic capital y
U+1D655	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfitsansZ</code>	mathematical sans-serif bold italic capital z

15.2.16 Bold italic sans serif, Latin, lowercase

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

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

usv	M	S	E	X	P	L	G	Macro	Description
U+1D66F	z	z	z	z	z	z	z	<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D765	Π	Π	Π	Π	Π	Π	Π	\mbfsansPi	mathematical sans-serif bold capital pi
U+1D766	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfsansRho	mathematical sans-serif bold capital rho
U+1D767	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfsansvarTheta	mathematical sans-serif bold capital theta symbol
U+1D768	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfsansSigma	mathematical sans-serif bold capital sigma
U+1D769	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mbfsansTau	mathematical sans-serif bold capital tau
U+1D76A	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfsansUpsilon	mathematical sans-serif bold capital upsilon
U+1D76B	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfsansPhi	mathematical sans-serif bold capital phi
U+1D76C	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mbfsansChi	mathematical sans-serif bold capital chi
U+1D76D	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfsansPsi	mathematical sans-serif bold capital psi
U+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfsansOmega	mathematical sans-serif bold capital omega

15.2.18 Bold sans serif Greek, lowercase

USV	M	S	E	X	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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D776	η	η	η	η	η	η	η	<code>\mbfsanseta</code>	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ	θ	θ	θ	θ	<code>\mbfsanstheta</code>	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι	ι	ι	ι	ι	<code>\mbfsansiota</code>	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ	κ	κ	κ	κ	<code>\mbfsanskappa</code>	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ	λ	λ	λ	λ	<code>\mbfsanslambda</code>	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ	μ	μ	μ	μ	<code>\mbfsansmu</code>	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν	ν	ν	ν	ν	<code>\mbfsansnu</code>	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ	ξ	ξ	ξ	ξ	<code>\mbfsansxi</code>	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο	ο	ο	ο	ο	<code>\mbfsansomicron</code>	mathematical sans-serif bold small omicron
U+1D77F	π	π	π	π	π	π	π	<code>\mbfsanspi</code>	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mbfsansrho</code>	mathematical sans-serif bold small rho
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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D788	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfsansomega	mathematical sans-serif bold small omega
U+1D789	∂	∂	∂	∂	∂			\mbfsanspartial	mathematical sans-serif bold partial differential
U+1D78A	€	€	€	€	€		€	\mbfsansepsilon	mathematical sans-serif bold varepsilon symbol
U+1D78B	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfsansvartheta	mathematical sans-serif bold theta symbol
U+1D78C	κ	κ	κ	κ	κ			\mbfsansvarkappa	mathematical sans-serif bold kappa symbol
U+1D78D	φ	φ	φ	φ	φ			\mbfsansphi	mathematical sans-serif bold phi symbol
U+1D78E	ρ	ρ	ρ	ρ	ρ			\mbfsansvarrho	mathematical sans-serif bold rho symbol
U+1D78F	ω	ω	ω	ω	ω			\mbfsansvarpi	mathematical sans-serif bold pi symbol

15.2.19 Bold italic sans serif Greek, uppercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D798	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>	<i>Ι</i>		<code>\mbfitsansIota</code>	mathematical sans-serif bold italic capital iota
U+1D799	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>	<i>Κ</i>		<code>\mbfitsansKappa</code>	mathematical sans-serif bold italic capital kappa
U+1D79A	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>	<i>Λ</i>		<code>\mbfitsansLambda</code>	mathematical sans-serif bold italic capital lambda
U+1D79B	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>	<i>Μ</i>		<code>\mbfitsansMu</code>	mathematical sans-serif bold italic capital mu
U+1D79C	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>	<i>Ν</i>		<code>\mbfitsansNu</code>	mathematical sans-serif bold italic capital nu
U+1D79D	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>	<i>Ξ</i>		<code>\mbfitsansXi</code>	mathematical sans-serif bold italic capital xi
U+1D79E	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>	<i>Ο</i>		<code>\mbfitsansOmicron</code>	mathematical sans-serif bold italic capital omicron
U+1D79F	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>	<i>Π</i>		<code>\mbfitsansPi</code>	mathematical sans-serif bold italic capital pi
U+1D7A0	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>	<i>Ρ</i>		<code>\mbfitsansRho</code>	mathematical sans-serif bold italic capital rho
U+1D7A1	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>	<i>Θ</i>		<code>\mbfitsansvarTheta</code>	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>	<i>Σ</i>		<code>\mbfitsansSigma</code>	mathematical sans-serif bold italic capital sigma
U+1D7A3	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>	<i>Τ</i>		<code>\mbfitsansTau</code>	mathematical sans-serif bold italic capital tau
U+1D7A4	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>	<i>Υ</i>		<code>\mbfitsansUpsilon</code>	mathematical sans-serif bold italic capital upsilon
U+1D7A5	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>	<i>Φ</i>		<code>\mbfitsansPhi</code>	mathematical sans-serif bold italic capital phi
U+1D7A6	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>	<i>Χ</i>		<code>\mbfitsansChi</code>	mathematical sans-serif bold italic capital chi
U+1D7A7	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>	<i>Ψ</i>		<code>\mbfitsansPsi</code>	mathematical sans-serif bold italic capital psi
U+1D7A8	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>	<i>Ω</i>		<code>\mbfitsansOmega</code>	mathematical sans-serif bold italic capital omega

15.2.20 Bold italic sans serif Greek, lowercase

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







USV	M	S	E	X	P	L	G	Macro	Description
U+1D7BC	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>	<i>σ</i>		<code>\mbfitsanssigma</code>	mathematical sans-serif bold italic small sigma
U+1D7BD	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>	<i>τ</i>		<code>\mbfitsanstau</code>	mathematical sans-serif bold italic small tau
U+1D7BE	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>	<i>υ</i>		<code>\mbfitsansupsilon</code>	mathematical sans-serif bold italic small upsilon
U+1D7BF	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>		<code>\mbfitsansvarphi</code>	mathematical sans-serif bold italic small phi
U+1D7C0	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>	<i>χ</i>		<code>\mbfitsanschi</code>	mathematical sans-serif bold italic small chi
U+1D7C1	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>	<i>ψ</i>		<code>\mbfitsanspsi</code>	mathematical sans-serif bold italic small psi
U+1D7C2	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>	<i>ω</i>		<code>\mbfitsansomega</code>	mathematical sans-serif bold italic small omega
U+1D7C3	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>		<code>\mbfitsanspartial</code>	mathematical sans-serif bold italic partial differential
U+1D7C4	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>		<code>\mbfitsansepsilon</code>	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>		<code>\mbfitsansvartheta</code>	mathematical sans-serif bold italic theta symbol
U+1D7C6	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>		<code>\mbfitsansvarkappa</code>	mathematical sans-serif bold italic kappa symbol
U+1D7C7	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>		<code>\mbfitsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>		<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>		<code>\mbfitsansvarpi</code>	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

USV	M	S	E	X	P	L	G	Macro	Description
U+000F0	<i>ð</i>	<i>ð</i>	<i>ð</i>	<i>ð</i>	<i>ð</i>	<i>ð</i>	<i>ð</i>	<code>\matheth</code>	eth
U+02010	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<code>\mathhyphen</code>	hyphen

USV	M	S	E	X	P	L	G	Macro	Description
U+02102	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbC	/bbb c, open face c
U+0210A		Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	\mscrG	/scr g, script letter g
U+0210B	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	ℋ	\mscrH	hamiltonian (script capital h)
U+0210C	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	ℎ	\mfracH	/frak h, upper case h
U+0210D	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbH	/bbb h, open face h
U+0210F	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\hslash ^(a)	/hslash - variant planck's over 2pi
U+02110	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\mscrI	/scr i, script letter i
U+02111	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	ℑ	\Im ^(p)	imaginary part
U+02112	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	ℒ	\mscrL	lagrangian (script capital l)
U+02113	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	ℓ	\ell ^(p)	cursive small l
U+02115	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbN	/bbb n, open face n
U+02118	℘	℘	℘	℘	℘	℘	℘	\wp ^(p)	weierstrass p
U+02119	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbP	/bbb p, open face p
U+0211A	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbQ	/bbb q, open face q
U+0211B	℞	℞	℞	℞	℞	℞	℞	\mscrR	/scr r, script letter r
U+0211C	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	ℜ	\Re ^(p)	real part
U+0211D	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbR	/bbb r, open face r
U+02124	Ꞑ	ꞑ	Ꞓ	ꞓ	ꞔ	ꞕ	Ꞗ	\BbbZ	/bbb z, open face z
U+02128	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	ℤ	\mfracZ	/frak z, upper case z
U+02129		ι						\turnediota	turned iota
U+0212B	Å	Å	Å	Å	Å		Å	\Angstrom	angstrom capital a, ring
U+0212C	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	ℬ	\mscrB	bernoulli function (script capital b)

USV	M	S	E	X	P	L	G	Macro	Description
U+0212D								<code>\mfracC</code>	black-letter capital c
U+0212F								<code>\mscre</code>	/scr e, script letter e
U+02130								<code>\mscrE</code>	/scr e, script letter e
U+02131								<code>\mscrF</code>	/scr f, script letter f
U+02133								<code>\mscrM</code>	physics m-matrix (script capital m)
U+02134								<code>\mscro</code>	order of (script small o)
U+02135								<code>\aleph^(p)</code>	aleph, hebrew
U+02136								<code>\beth^(a)</code>	beth, hebrew
U+02137								<code>\gimel^(a)</code>	gimel, hebrew
U+02138								<code>\daleth^(a)</code>	daleth, hebrew
U+0213D								<code>\Bbbgamma</code>	double-struck small gamma
U+0213E								<code>\BbbGamma</code>	double-struck capital gamma
U+0213F								<code>\BbbPi</code>	double-struck capital pi
U+02202								<code>\partial^(p)</code>	partial differential
U+02207								<code>\nabla^(p)</code>	nabla, del, hamilton operator
U+1D6A4								<code>\imath^(p)</code>	mathematical italic small dotless i
U+1D6A5								<code>\jmath^(p)</code>	mathematical italic small dotless j
U+1D6C1								<code>\mbfnabla</code>	mathematical bold nabla
U+1D6FB								<code>\mitnabla</code>	mathematical italic nabla
U+1D735								<code>\mbfitnabla</code>	mathematical bold italic nabla
U+1D76F								<code>\mbfsansnabla</code>	mathematical sans-serif bold nabla

USV	M	S	E	X	P	L	G	Macro	Description
U+1D7A9								<code>\mbfitsansnabla</code>	mathematical sans-serif bold italic nabla
U+1D7CA		F				F		<code>\mbfDigamma</code>	mathematical bold capital digamma
U+1D7CB		f				f		<code>\mbfdigamma</code>	mathematical bold small digamma