

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** (2447)

E **Erewhon Math** (1679)

X **XCharter Math** (1657)

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>	10
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>	15
13	Ordinary symbols, <code>\mathord</code>	25
14	Relation symbols, <code>\mathrel</code>	49
15	Alphabetical symbols, <code>\mathalpha</code>	81
15.1	Normal weight	81
15.1.1	Upright Greek, uppercase	81
15.1.2	Upright Greek, lowercase	82
15.1.3	Italic, Latin, uppercase	84
15.1.4	Italic, Latin, lowercase	85
15.1.5	Italic Greek, uppercase	86
15.1.6	Italic Greek, lowercase	88
15.1.7	Script, Latin, uppercase	90
15.1.8	Script, Latin, lowercase	91
15.1.9	Fraktur, Latin, uppercase	92
15.1.10	Fraktur, Latin, lowercase	93
15.1.11	Blackboard, Latin, uppercase	94
15.1.12	Blackboard, Latin, lowercase	96
15.1.13	Sans serif, Latin, uppercase	97
15.1.14	Sans serif, Latin, lowercase	99
15.1.15	Italic sans serif, Latin, uppercase	100
15.1.16	Italic sans serif, Latin, lowercase	102
15.1.17	Typewriter, Latin, uppercase	104
15.1.18	Typewriter, Latin, lowercase	105
15.2	Bold	107
15.2.1	Bold, Latin, uppercase	107
15.2.2	Bold, Latin, lowercase	108
15.2.3	Bold Greek, uppercase	110
15.2.4	Bold Greek, lowercase	111
15.2.5	Bold italic, Latin, uppercase	113
15.2.6	Bold italic, Latin, lowercase	115
15.2.7	Bold italic Greek, uppercase	116
15.2.8	Bold italic Greek, lowercase	118
15.2.9	Bold script, Latin, uppercase	120
15.2.10	Bold script, Latin, lowercase	122
15.2.11	Bold fraktur, Latin, uppercase	123
15.2.12	Bold fraktur, Latin, lowercase	125
15.2.13	Bold sans serif, Latin, uppercase	126
15.2.14	Bold sans serif, Latin, lowercase	128
15.2.15	Bold italic sans serif, Latin, uppercase	130
15.2.16	Bold italic sans serif, Latin, lowercase	131
15.2.17	Bold sans serif Greek, uppercase	133
15.2.18	Bold sans serif Greek, lowercase	134
15.2.19	Bold italic sans serif Greek, uppercase	136
15.2.20	Bold italic sans serif Greek, lowercase	138
15.3	Miscellaneous	140

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		∛	∛	∛		∛		\cuberoot	cube root
U+0221C		∜	∜	∜		∜		\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

USV	M	S	E	X	P	L	G	Macro	Description
U+027EE	(	(	(		(	(	(	\lgroup^(p)	mathematical left flattened parenthesis
U+02983		{						\lBrace	left white curly bracket
U+02985		(						\lParen	left white parenthesis
U+02987		(					(	\llparenthesis	z notation left image bracket
U+02989		(						\llangle	z notation left binding bracket
U+0298B		[						\lbrackubar	left square bracket with underbar
U+0298D		[						\lbrackultick	left square bracket with tick in top corner
U+0298F		[						\lbracklltick	left square bracket with tick in bottom corner
U+02991		<						\langedot	left angle bracket with dot
U+02993		<						\lparenless	left arc less-than bracket
U+02995		>						\Lparengtr	double left arc greater-than bracket
U+02997		(						\lblrbrak	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

usv	M	S	E	X	P	L	G	Macro	Description
U+02988		﴾						<code>\rrparenthesis</code>	z notation right image bracket
U+0298A		﴾						<code>\rrangle</code>	z notation right binding bracket
U+0298C		]						<code>\rbrackubar</code>	right square bracket with underbar
U+0298E		]						<code>\rbracklrtick</code>	right square bracket with tick in bottom corner
U+02990		]						<code>\rbrackurtick</code>	right square bracket with tick in top corner
U+02992		⟩						<code>\rangledot</code>	right angle bracket with dot
U+02994		➤						<code>\rparengtr</code>	right arc greater-than bracket
U+02996		⋈						<code>\Rparenless</code>	double right arc less-than bracket
U+02998		)						<code>\rblkbrrak</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</code> ^(p)	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</code> ^(p)	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{M}	\grave{S}	\grave{E}	\grave{X}	\grave{P}	\grave{L}	\grave{G}	<code>\grave{p}</code>	grave accent
u+00301	\acute{M}	\acute{S}	\acute{E}	\acute{X}	\acute{P}	\acute{L}	\acute{G}	<code>\acute{p}</code>	acute accent
u+00302	\hat{M}	\hat{S}	\hat{E}	\hat{X}	\hat{P}	\hat{L}	\hat{G}	<code>\hat{p}</code>	circumflex accent
u+00303	\tilde{M}	\tilde{S}	\tilde{E}	\tilde{X}	\tilde{P}	\tilde{L}	\tilde{G}	<code>\tilde{p}</code>	tilde
u+00304	\bar{M}	\bar{S}	\bar{E}	\bar{X}	\bar{P}	\bar{L}	\bar{G}	<code>\bar{p}</code>	macron
u+00305	\overline{M}	\overline{S}	\overline{E}	\overline{X}	\overline{P}	\overline{L}	\overline{G}	<code>\overbar</code>	overbar embellishment
u+00306	\breve{M}	\breve{S}	\breve{E}	\breve{X}	\breve{P}	\breve{L}	\breve{G}	<code>\breve{p}</code>	breve
u+00307	\dot{M}	\dot{S}	\dot{E}	\dot{X}	\dot{P}	\dot{L}	\dot{G}	<code>\dot{p}</code>	dot above
u+00308	\ddot{M}	\ddot{S}	\ddot{E}	\ddot{X}	\ddot{P}	\ddot{L}	\ddot{G}	<code>\ddot{p}</code>	dieresis
u+00309	$\overset{\circ}{M}$	$\overset{\circ}{S}$	$\overset{\circ}{E}$	$\overset{\circ}{X}$	$\overset{\circ}{P}$	$\overset{\circ}{L}$	$\overset{\circ}{G}$	<code>\ovhook</code>	combining hook above
u+0030A	$\overset{\circ}{M}$	$\overset{\circ}{S}$	$\overset{\circ}{E}$	$\overset{\circ}{X}$	$\overset{\circ}{P}$	$\overset{\circ}{L}$	$\overset{\circ}{G}$	<code>\ocirc</code>	ring
u+0030C	\check{M}	\check{S}	\check{E}	\check{X}	\check{P}	\check{L}	\check{G}	<code>\check{p}</code>	caron
u+00310		\candra				\candra		<code>\candra</code>	candrabindu (non-spacing)
u+00312		\turnedcomma				\turnedcomma		<code>\oturnedcomma</code>	combining turned comma above
u+00315		\commatopright				\commatopright		<code>\ocommatopright</code>	combining comma above right
u+0031A		\droang				\droang		<code>\droang</code>	left angle above (non-spacing)
u+020D0	\lefttharpoonaccent	\lefttharpoonaccent	\lefttharpoonaccent	\lefttharpoonaccent	\lefttharpoonaccent	\lefttharpoonaccent	\lefttharpoonaccent	<code>\leftharpoonaccent</code>	combining left harpoon above
u+020D1	\righttharpoonaccent	\righttharpoonaccent	\righttharpoonaccent	\righttharpoonaccent	\righttharpoonaccent	\righttharpoonaccent	\righttharpoonaccent	<code>\rightharpoonaccent</code>	combining right harpoon above

USV	M	S	E	X	P	L	G	Macro	Description
U+020D2	\overrightarrow{x}	\overrightarrow{y}	\overrightarrow{z}	\overrightarrow{w}	\overrightarrow{v}		\overrightarrow{u}	<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	\vec{x}	\vec{y}	\vec{z}	\vec{w}	\vec{v}	\vec{u}	\vec{t}	<code>\vec{^(p)}</code>	combining right arrow above
U+020DB	\ddot{x}	\ddot{y}	\ddot{z}	\ddot{w}	\ddot{v}	\ddot{u}	\ddot{t}	<code>\dddot</code>	combining three dots above
U+020DC	$\text{̈́}x$	$\text{̈́}y$	$\text{̈́}z$	$\text{̈́}w$	$\text{̈́}v$	$\text{̈́}u$	$\text{̈́}t$	<code>\ddddot</code>	combining four dots above
U+020E7		\overline{x}						<code>\annuity</code>	combining annuity symbol
U+020E9	\overbrace{x}	\overbrace{y}	\overbrace{z}	\overbrace{w}	\overbrace{v}	\overbrace{u}	\overbrace{t}	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overset{*}{x}$	$\overset{*}{y}$	$\overset{*}{z}$	$\overset{*}{w}$	$\overset{*}{v}$	$\overset{*}{u}$	$\overset{*}{t}$	<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>\overleftrightarrow</code>	combining left right arrow above

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

9 Bottom accents, `\mathbotaccent`

USV	M	S	E	X	P	L	G	Macro	Description
U+020E8	\underline{x}	\underline{x}	\underline{x}	\underline{x}	\underline{x}		\underline{x}	<code>\threeunderdot</code>	combining triple underdot

10 Bottom accents wide, `\mathbotaccentwide`







































USV	M	S	E	X	P	L	G	Macro	Description
U+00330	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	<code>\wideutilde</code>	under tilde accent (multiple characters and non-spacing)
U+00332	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	<code>\mathunderbar</code>	combining low line
U+0034D	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	$\overleftrightarrow{x+y}$	<code>\underleftrightharpoonow</code>	underleftrightharpoonow accent
U+020EC	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$		$\underline{x+y}$	<code>\underrightharpoondown</code>	combining rightwards harpoon with barb downwards
U+020ED	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$	$\underline{x+y}$		$\underline{x+y}$	<code>\underleftharpoondown</code>	combining leftwards harpoon with barb downwards
U+020EE	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	$\overleftarrow{x+y}$	<code>\underleftarrow</code>	combining left arrow below
U+020EF	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	$\overrightarrow{x+y}$	<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	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1		\sum_0^1	\Bbbsum	double-struck n-ary summation
U+0220F	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod ^(p)	product operator
U+02210	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\coprod ^(p)	coproduct operator
U+02211	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum ^(p)	summation operator
U+0222B	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int ^(p)	integral operator
U+0222C	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint	double integral operator
U+0222D	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint	triple integral operator
U+0222E	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint ^(p)	contour integral operator
U+0222F	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint_0^1	\oiint	double contour integral operator
U+02230	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint_0^1	\oiiint	triple contour integral operator
U+02231	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\intclockwise	clockwise integral
U+02232	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\varointclockwise	contour integral, clockwise
U+02233	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\ointctrclockwise	contour integral, anticlockwise
U+022C0	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge ^(p)	logical and operator









































































































USV	M	S	E	X	P	L	G	Macro	Description
U+022C1								<code>\bigvee^(p)</code>	logical or operator
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

USV	M	S	E	X	P	L	G	Macro	Description
U+02A06								<code>\bigsqcup^(p)</code>	n-ary square union operator
U+02A07								<code>\conjquant</code>	two logical and operator
U+02A08								<code>\disjquant</code>	two logical or operator
U+02A09								<code>\bigtimes</code>	n-ary times operator
U+02A0A								<code>\modtwosum</code>	modulo two sum
U+02A0B								<code>\sumint</code>	summation with integral
U+02A0C								<code>\iiint</code>	quadruple integral operator
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>\rppoint</code>	line integration with rectangular path around pole
U+02A13								<code>\scpoint</code>	line integration with semicircular path around pole
U+02A14								<code>\npoint</code>	line integration not including the pole

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

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

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

USV	M	S	E	X	P	L	G	Macro	Description
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>	<code>/dotsquare</code> <code>/boxdot b</code> : small dot in box
U+022BA								<code>\intercal^(a)</code>	intercal
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

USV	M	S	E	X	P	L	G	Macro	Description
U+022CE	𐤬	𐤭	𐤮	𐤯	𐤰	𐤱	𐤲	<code>\curlyvee^(a)</code>	curly logical or
U+022CF	𐤳	𐤴	𐤵	𐤶	𐤷	𐤸	𐤹	<code>\curlywedge^(a)</code>	curly logical and
U+022D2	𐤺	𐤻	𐤼	𐤽	𐤾		𐤿	<code>\Cap^(a)</code>	<code>/cap</code> <code>/doublecap</code> b: double intersection
U+022D3	𐤿	𐥀	𐥁	𐥂	𐥃		𐥄	<code>\Cup^(a)</code>	<code>/cup</code> <code>/doublecup</code> b: double union
U+02305	𐤽	𐤾	𐤿	𐥀	𐥁			<code>\varbarwedge</code>	<code>/barwedge</code> b: logical and, bar above [projective (bar over small wedge)]
U+02306	𐥂	𐥃	𐥄	𐥅	𐥆			<code>\vardoublebarwedge</code>	<code>/doublebarwedge</code> b: logical and, double bar above [perspective (double bar over small wedge)]
U+0233D		𐥇						<code>\obar</code>	circle with vertical bar
U+025B3	𐤹	𐤺	𐤻	𐤼	𐤽	𐤾	𐤿	<code>\bigtriangleup^(p)</code>	big up triangle, open
U+025B7	𐤽	𐤾	𐤿	𐥀	𐥁	𐥂	𐥃	<code>\triangleright^(p)</code>	(large) right triangle, open; z notation range restriction
U+025C1	𐤹	𐤺	𐤻	𐤼	𐤽	𐤾	𐤿	<code>\triangleleft^(p)</code>	(large) left triangle, open; z notation domain restriction
U+025CB	𐤹	𐤺	𐤻	𐤼	𐤽	𐤾	𐤿	<code>\mdlgwhtcircle</code>	medium large circle
U+025EB		𐥇						<code>\boxbar</code>	vertical bar in box
U+027C7		𐥈						<code>\veedot</code>	or with dot inside
U+027D1		𐥈						<code>\wedgedot</code>	and with dot
U+027E0	𐥉	𐥊	𐥋	𐥌	𐥍			<code>\lozengeminus</code>	lozenge divided by horizontal rule
U+027E1	𐥉	𐥊	𐥋	𐥌	𐥍			<code>\concavediamond</code>	white concave-sided diamond
U+027E2	𐥉	𐥊	𐥋	𐥌	𐥍			<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3	𐥉	𐥊	𐥋	𐥌	𐥍			<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick

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

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

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

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

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

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

13 Ordinary symbols, \mathord

USV	M	S	E	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)

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













































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

USV	M	S	E	X	P	L	G	Macro	Description
U+021DE		↕				↕	↕	<code>\nHuparrow</code>	upwards arrow with double stroke
U+021DF		⇓				⇓	⇓	<code>\nHdownarrow</code>	downwards arrow with double stroke
U+021E0		↖	↖	↖		↖	↖	<code>\leftdasharrow</code>	leftwards dashed arrow
U+021E1		↗	↗	↗		↗	↗	<code>\updasharrow</code>	upwards dashed arrow
U+021E2		↘	↘	↘		↘	↘	<code>\rightdasharrow</code>	rightwards dashed arrow
U+021E3		⇓	⇓	⇓		⇓	⇓	<code>\downdasharrow</code>	downwards dashed arrow
U+021E6	↩	↩	↩	↩	↩	↩	↩	<code>\leftwhitearrow</code>	leftwards white arrow
U+021E7	↑	↑	↑	↑	↑	↑	↑	<code>\upwhitearrow</code>	upwards white arrow
U+021E8	→	→	→	→	→	→	→	<code>\rightwhitearrow</code>	rightwards white arrow
U+021E9	↓	↓	↓	↓	↓	↓	↓	<code>\downwhitearrow</code>	downwards white arrow
U+021EA		↕				↕	↕	<code>\whitearrowupfrombar</code>	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	<code>\forall</code> ^(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

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

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

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

































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

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

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

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

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

USV	M	S	E	X	P	L	G	Macro	Description
U+025EE								<code>\trianglerightrightblack</code>	up-pointing triangle with right half black
U+025EF								<code>\lgwhtcircle</code>	large circle
U+025F0								<code>\squareulquad</code>	white square with upper left quadrant
U+025F1								<code>\squareellquad</code>	white square with lower left quadrant
U+025F2								<code>\squarelrquad</code>	white square with lower right quadrant
U+025F3								<code>\squareurquad</code>	white square with upper right quadrant
U+025F4								<code>\circleulquad</code>	white circle with upper left quadrant
U+025F5								<code>\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
U+025FB								<code>\mdwhtsquare</code>	white medium square
U+025FC								<code>\mdblksquare</code>	black medium square
U+025FD								<code>\mdsmwhtsquare</code>	white medium small square
U+025FE								<code>\mdsmbblksquare</code>	black medium small square
U+025FF								<code>\lrtriangle</code>	lower right triangle



usv	M	S	E	X	P	L	G	Macro	Description
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)
U+02667	♣	♣	♣	♣	♣	♣		\varclubsuit	club, white (card suit)
U+02669		♪				♪		\quarternote	music note (sung text sign)
U+0266A	♪	♪			♪	♪		\eighthnote	eighth note
U+0266B		♪				♪		\twonotes	beamed eighth notes






























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

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

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

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

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

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

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

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













































































































































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

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

14 Relation symbols, \mathrel

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

USV	M	S	E	X	P	L	G	Macro	Description
U+0219F	↕	↕	↕	↕	↕	↕	↕	<code>\twoheaduparrow</code>	up two-headed arrow
U+021A0	↔	↔	↔	↔	↔	↔	↔	<code>\twoheadrightarrow</code> ^(a)	right two-headed arrow
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>\nleftrightarrow</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

USV	M	S	E	X	P	L	G	Macro	Description
U+021B7								<code>\curvearrowright^(a)</code>	right curved arrow
U+021BC								<code>\leftharpoonup^(p)</code>	left harpoon-up
U+021BD								<code>\leftharpoondown^(p)</code>	left harpoon-down
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>\nLeftrightarrow^(a)</code>	not left and right double arrows

USV	M	S	E	X	P	L	G	Macro	Description
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
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>\downarrows</code>	downwards arrow leftwards of upwards arrow
U+021F6	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\rightthreearrows</code>	three rightwards arrows

USV	M	S	E	X	P	L	G	Macro	Description
U+021F7		↔				↔	↔	<code>\nleftarrow</code>	leftwards arrow with vertical stroke
U+021F8		→				→	→	<code>\nvrightarrow</code>	rightwards arrow with vertical stroke
U+021F9		↔				↔	↔	<code>\nvleftrightharrow</code>	left right arrow with vertical stroke
U+021FA		↔				↔	↔	<code>\nVleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB		↔				↔	↔	<code>\nVrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC		↔				↔	↔	<code>\nVleftrightharrow</code>	left right arrow with double vertical stroke
U+021FD		↔				↔	↔	<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE		→				→	→	<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF		↔				↔	↔	<code>\leftrightharrowtriangle</code>	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	<code>\in^(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

usv	M	S	E	X	P	L	G	Macro	Description
U+02226	𐍪	𐍫	𐍬	𐍭	𐍮	𐍯	𐍰	<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
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>\simneq</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

usv	M	S	E	X	P	L	G	Macro	Description
U+0224B	≈	≈	≈	≈	≈	≈	≈	<code>\approxident</code>	approximately identical to
U+0224C	≍	≍	≍	≍	≍	≍	≍	<code>\backcong</code>	all equal to
U+0224D	≍	≍	≍	≍	≍	≍	≍	<code>\asymp^(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>	<code>/doteqdot /doteq r</code> : 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
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)

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

usv	M	S	E	X	P	L	G	Macro	Description
U+02273	➤	➥	➦	➨	➪	➬	➮	<code>\gtrsim^(a)</code>	greater, similar
U+02274	➤̸	➥̸	➦̸	➨̸	➪̸	➬̸	➮̸	<code>\nlessim</code>	not less, similar
U+02275	➤̸	➥̸	➦̸	➨̸	➪̸	➬̸	➮̸	<code>\ngtrsim</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>\precsim^(a)</code>	precedes, similar
U+0227F	➤̸	➥̸	➦̸	➨̸	➪̸	➬̸	➮̸	<code>\succsim^(a)</code>	succeeds, similar
U+02280	➤̸	➥̸	➦̸	➨̸	➪̸	➬̸	➮̸	<code>\nprec^(a)</code>	not precedes
U+02281	➤̸	➥̸	➦̸	➨̸	➪̸	➬̸	➮̸	<code>\nsucc^(a)</code>	not succeeds
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

USV	M	S	E	X	P	L	G	Macro	Description
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>\Vvdash^(a)</code>	triple vertical, dash
U+022AB	⊢	⊣	⊢	⊣	⊢	⊣	⊣	<code>\VDash</code>	double vert, double dash
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

USV	M	S	E	X	P	L	G	Macro	Description
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 /llles r: triple less-than
U+022D9								<code>\ggg^(a)</code>	/ggg /gg /gggtr r: triple greater-than

USV	M	S	E	X	P	L	G	Macro	Description
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>\nprec curlyeq</code>	not precedes, curly equals
U+022E1	≠	≠	≠	≠	≠	≠	≠	<code>\nsucc curlyeq</code>	not succeeds, curly equals
U+022E2	≠	≠	≠	≠	≠	≠	≠	<code>\nsqsubseteq</code>	not, square subset, equals
U+022E3	≠	≠	≠	≠	≠	≠	≠	<code>\nsqsupseteq</code>	not, square superset, equals
U+022E4	≠	≠	≠	≠	≠	≠	≠	<code>\sqsubsetneq</code>	square subset, not equals
U+022E5	≠	≠	≠	≠	≠	≠	≠	<code>\sqsupsetneq</code>	square superset, not equals
U+022E6	≠	≠	≠	≠	≠	≠	≠	<code>\lnsim^(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)

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

USV	M	S	E	X	P	L	G	Macro	Description
U+027F7								<code>\longlefttrightarrow^(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
U+027FA								<code>\Longleftrightharrow^(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>\nvLeftrightarrow</code>	left right double arrow with vertical stroke
U+02905								<code>\twoheadmapsto</code>	rightwards two-headed arrow from bar
U+02906								<code>\Mapsfrom</code>	leftwards double arrow from bar
U+02907								<code>\Mapsto</code>	rightwards double arrow from bar
U+02908								<code>\downarrowbarred</code>	downwards arrow with horizontal stroke

usv	M	S	E	X	P	L	G	Macro	Description
U+02909		↱						\uparrowbarred	upwards arrow with horizontal stroke
U+0290A		↲				↲		\Uparrow	upwards triple arrow
U+0290B		↳				↳		\Ddownarrow	downwards triple arrow
U+0290C		↵						\leftbckarrow	leftwards double dash arrow
U+0290D		↶						\rightbckarrow	rightwards double dash arrow
U+0290E		↷						\leftdbkarrow	leftwards triple dash arrow
U+0290F		↸						\dbkarrow	rightwards triple dash arrow
U+02910		↹						\drbkarrow	rightwards two-headed triple dash arrow
U+02911		↻						\rightrightarrow	rightwards arrow with dotted stem
U+02912		↼						\baruparrow	upwards arrow to bar
U+02913		⇩						\downarrowbar	downwards arrow to bar
U+02914		↻						\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915		↻						\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
U+02916		↻						\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917		↻						\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		↻						\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		↻						\lefttail	leftwards arrow-tail
U+0291A		↻						\righttail	rightwards arrow-tail

usv	M	S	E	X	P	L	G	Macro	Description
U+0291B		↤						\leftharpoonright	leftwards double arrow-tail
U+0291C		↥						\rightharpoonright	rightwards double arrow-tail
U+0291D		↤						\blacktriangleleft	leftwards arrow to black diamond
U+0291E		↥						\blacktriangleright	rightwards arrow to black diamond
U+0291F		↤						\blacktriangleleftbar	leftwards arrow from bar to black diamond
U+02920		↥						\blacktrianglerightbar	rightwards arrow from bar to black diamond
U+02921		↖						\nwarrow	north west and south east arrow
U+02922		↗						\nearrow	north east and south west arrow
U+02923		↖						\nwnearrow	north west arrow with hook
U+02924		↗						\nwnearrow	north east arrow with hook
U+02925		↘						\ksearrow	south east arrow with hook
U+02926		↙						\ksearrow	south west arrow with hook
U+02927		↖						\toa	north west arrow and north east arrow
U+02928		↗						\toa	north east arrow and south east arrow
U+02929		↘						\toa	south east arrow and south west arrow
U+0292A		↙						\toa	south west arrow and north west arrow
U+02933		↪						\rightarrow	wave arrow pointing directly right
U+02936		↩						\leftarrow	arrow pointing downwards then curving leftwards

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

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

usv	M	S	E	X	P	L	G	Macro	Description
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
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

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

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

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

USV	M	S	E	X	P	L	G	Macro	Description
U+02A76		===					===	\eeqeq	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
U+02A84		⋉						\gesdoto1	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

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

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

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

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

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

usv	M	S	E	X	P	L	G	Macro	Description
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
U+02B38		↔						<code>\leftdotarrow</code>	leftwards arrow with dotted stem
U+02B39		↔						<code>\nvleftarrowtail</code>	leftwards arrow with tail with vertical stroke
U+02B3A		↔						<code>\nVleftarrowtail</code>	leftwards arrow with tail with double vertical stroke
U+02B3B		↔						<code>\twoheadleftarrowtail</code>	leftwards two-headed arrow with tail
U+02B3C		↔						<code>\nvtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		↔						<code>\nVtwoheadleftarrowtail</code>	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		↔						<code>\leftarrow x</code>	leftwards arrow through x
U+02B3F		↔						<code>\leftcurvedarrow</code>	wave arrow pointing directly left
U+02B40		↔						<code>\equalleftarrow</code>	equals sign above leftwards arrow
U+02B41		↔						<code>\bsimilarleftarrow</code>	reverse tilde operator above leftwards arrow
U+02B42		↔						<code>\leftarrowbackapprox</code>	leftwards arrow above reverse almost equal to
U+02B43		➤						<code>\rightarrowgtr</code>	rightwards arrow through greater-than
U+02B44		➤						<code>\rightarrowsupset</code>	rightwards arrow through subset

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

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

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

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

15.1.2 Upright Greek, lowercase

USV	M	S	E	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

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

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

15.1.3 Italic, Latin, uppercase

USV	M	S	E	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

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

15.1.4 Italic, Latin, lowercase

USV	M	S	E	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

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

15.1.5 Italic Greek, uppercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D6F5	τ	τ	τ	τ	τ	τ	τ	<code>\mitTau</code>	mathematical italic capital tau
U+1D6F6	Υ	Υ	Υ	Υ	Υ	Υ	Υ	<code>\mitUpsilon</code>	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	Φ	Φ	<code>\mitPhi</code>	mathematical italic capital phi
U+1D6F8	χ	χ	χ	χ	χ	χ	χ	<code>\mitChi</code>	mathematical italic capital chi
U+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	<code>\mitPsi</code>	mathematical italic capital psi
U+1D6FA	Ω	Ω	Ω	Ω	Ω	Ω	Ω	<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	α	α	α	α	α	α	α	<code>\mitalpha</code>	mathematical italic small alpha
U+1D6FD	β	β	β	β	β	β	β	<code>\mitbeta</code>	mathematical italic small beta
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

usv	M	S	E	X	P	L	G	Macro	Description
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 up-silon
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
U+1D713	ψ	ψ	ψ	ψ	ψ	ψ	ψ	<code>\mitpsi</code>	mathematical italic small psi
U+1D714	ω	ω	ω	ω	ω	ω	ω	<code>\mitomega</code>	mathematical italic small omega
U+1D715	∂	∂	∂	∂	∂	∂	∂	<code>\mitpartial</code>	mathematical italic partial differential
U+1D716	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
U+1D717	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	<code>\mitvartheta</code>	mathematical italic theta symbol
U+1D718	κ	κ	κ	κ	κ	κ	κ	<code>\mitvarkappa</code>	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	<code>\mitphi</code>	mathematical italic phi symbol

USV	M	S	E	X	P	L	G	Macro	Description
U+1D71A	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</i>	<i>ℓ</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
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>V</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>W</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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4B4	<i>ŷ</i>	<i>ŷ</i>	<i>ŷ</i>	<i>ŷ</i>	<i>ŷ</i>	<i>ŷ</i>	<i>ŷ</i>	<code>\mscrY</code>	mathematical script capital y
U+1D4B5	<i>Ẑ</i>	<i>Ẑ</i>	<i>Ẑ</i>	<i>Ẑ</i>	<i>Ẑ</i>	<i>Ẑ</i>	<i>Ẑ</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>ȁ</i>				<i>ȁ</i>	<i>ȁ</i>	<i>ȁ</i>	<code>\mscra</code>	mathematical script small a
U+1D4B7	<i>Ȃ</i>				<i>Ȃ</i>	<i>Ȃ</i>	<i>Ȃ</i>	<code>\mscrb</code>	mathematical script small b
U+1D4B8	<i>ȃ</i>				<i>ȃ</i>	<i>ȃ</i>	<i>ȃ</i>	<code>\mscrc</code>	mathematical script small c
U+1D4B9	<i>Ȅ</i>				<i>Ȅ</i>	<i>Ȅ</i>	<i>Ȅ</i>	<code>\mscrd</code>	mathematical script small d
U+1D4BA	<i>ȅ</i>				<i>ȅ</i>	<i>ȅ</i>	<i>ȅ</i>	<code>\mscrf</code>	mathematical script small f
U+1D4BD	<i>Ȉ</i>				<i>Ȉ</i>	<i>Ȉ</i>	<i>Ȉ</i>	<code>\mscrh</code>	mathematical script small h
U+1D4BE	<i>ȉ</i>				<i>ȉ</i>	<i>ȉ</i>	<i>ȉ</i>	<code>\mscri</code>	mathematical script small i
U+1D4BF	<i>Ȋ</i>				<i>Ȋ</i>	<i>Ȋ</i>	<i>Ȋ</i>	<code>\mscrj</code>	mathematical script small j
U+1D4C0	<i>ȋ</i>				<i>ȋ</i>	<i>ȋ</i>	<i>ȋ</i>	<code>\mscrk</code>	mathematical script small k
U+1D4C1	<i>Ȍ</i>				<i>Ȍ</i>	<i>Ȍ</i>	<i>Ȍ</i>	<code>\mscr l</code>	mathematical script small l
U+1D4C2	<i>ȍ</i>				<i>ȍ</i>	<i>ȍ</i>	<i>ȍ</i>	<code>\mscrm</code>	mathematical script small m
U+1D4C3	<i>Ȏ</i>				<i>Ȏ</i>	<i>Ȏ</i>	<i>Ȏ</i>	<code>\mscrn</code>	mathematical script small n
U+1D4C5	<i>Ȑ</i>				<i>Ȑ</i>	<i>Ȑ</i>	<i>Ȑ</i>	<code>\mscrp</code>	mathematical script small p
U+1D4C6	<i>ȑ</i>				<i>ȑ</i>	<i>ȑ</i>	<i>ȑ</i>	<code>\mscrq</code>	mathematical script small q
U+1D4C7	<i>Ȓ</i>				<i>Ȓ</i>	<i>Ȓ</i>	<i>Ȓ</i>	<code>\mscrr</code>	mathematical script small r
U+1D4C8	<i>ȓ</i>				<i>ȓ</i>	<i>ȓ</i>	<i>ȓ</i>	<code>\mscrs</code>	mathematical script small s

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

15.1.9 Fraktur, Latin, uppercase

USV	M	S	E	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
U+1D50D	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mfrakJ</code>	mathematical fraktur capital j
U+1D50E	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<code>\mfrakK</code>	mathematical fraktur capital k
U+1D50F	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<i>L</i>	<code>\mfrakL</code>	mathematical fraktur capital l
U+1D510	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	<code>\mfrakM</code>	mathematical fraktur capital m
U+1D511	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<code>\mfrakN</code>	mathematical fraktur capital n

USV	M	S	E	X	P	L	G	Macro	Description
U+1D512	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracO</code>	mathematical fraktur capital o
U+1D513	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracP</code>	mathematical fraktur capital p
U+1D514	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracQ</code>	mathematical fraktur capital q
U+1D516	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracS</code>	mathematical fraktur capital s
U+1D517	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracT</code>	mathematical fraktur capital t
U+1D518	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracU</code>	mathematical fraktur capital u
U+1D519	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracV</code>	mathematical fraktur capital v
U+1D51A	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracW</code>	mathematical fraktur capital w
U+1D51B	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracX</code>	mathematical fraktur capital x
U+1D51C	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	𝔐	<code>\mfracY</code>	mathematical fraktur capital y

15.1.10 Fraktur, Latin, lowercase

USV	M	S	E	X	P	L	G	Macro	Description
U+1D51E	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfraka</code>	mathematical fraktur small a
U+1D51F	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakb</code>	mathematical fraktur small b
U+1D520	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakc</code>	mathematical fraktur small c
U+1D521	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakd</code>	mathematical fraktur small d
U+1D522	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrake</code>	mathematical fraktur small e
U+1D523	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakf</code>	mathematical fraktur small f
U+1D524	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakg</code>	mathematical fraktur small g
U+1D525	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	𝔞	<code>\mfrakh</code>	mathematical fraktur small h

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

15.1.11 Blackboard, Latin, uppercase

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

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

15.1.12 Blackboard, Latin, lowercase

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

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

15.1.13 Sans serif, Latin, uppercase

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

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

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

15.1.14 Sans serif, Latin, lowercase

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

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

15.1.15 Italic sans serif, Latin, uppercase

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

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

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

15.1.16 Italic sans serif, Latin, lowercase

USV	M	S	E	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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D62A	<i>í</i>	<i>î</i>	<i>ï</i>	<i>ï</i>	<i>ï</i>	<i>ï</i>	<i>ï</i>	<code>\mitsansi</code>	mathematical sans-serif italic small i
U+1D62B	<i>ĵ</i>	<i>ĵ</i>	<i>ĵ</i>	<i>ĵ</i>	<i>ĵ</i>	<i>ĵ</i>	<i>ĵ</i>	<code>\mitsansj</code>	mathematical sans-serif italic small j
U+1D62C	<i>ķ</i>	<i>ķ</i>	<i>ķ</i>	<i>ķ</i>	<i>ķ</i>	<i>ķ</i>	<i>ķ</i>	<code>\mitsansk</code>	mathematical sans-serif italic small k
U+1D62D	<i>ĺ</i>	<i>ĺ</i>	<i>ĺ</i>	<i>ĺ</i>	<i>ĺ</i>	<i>ĺ</i>	<i>ĺ</i>	<code>\mitsansl</code>	mathematical sans-serif italic small l
U+1D62E	<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<i>ṁ</i>	<code>\mitsansm</code>	mathematical sans-serif italic small m
U+1D62F	<i>ñ</i>	<i>ñ</i>	<i>ñ</i>	<i>ñ</i>	<i>ñ</i>	<i>ñ</i>	<i>ñ</i>	<code>\mitsansn</code>	mathematical sans-serif italic small n
U+1D630	<i>ó</i>	<i>ó</i>	<i>ó</i>	<i>ó</i>	<i>ó</i>	<i>ó</i>	<i>ó</i>	<code>\mitsanso</code>	mathematical sans-serif italic small o
U+1D631	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<i>Ṗ</i>	<code>\mitsansp</code>	mathematical sans-serif italic small p
U+1D632	<i>q̇</i>	<i>q̇</i>	<i>q̇</i>	<i>q̇</i>	<i>q̇</i>	<i>q̇</i>	<i>q̇</i>	<code>\mitsansq</code>	mathematical sans-serif italic small q
U+1D633	<i>ṛ</i>	<i>ṛ</i>	<i>ṛ</i>	<i>ṛ</i>	<i>ṛ</i>	<i>ṛ</i>	<i>ṛ</i>	<code>\mitsansr</code>	mathematical sans-serif italic small r
U+1D634	<i>ṡ</i>	<i>ṡ</i>	<i>ṡ</i>	<i>ṡ</i>	<i>ṡ</i>	<i>ṡ</i>	<i>ṡ</i>	<code>\mitsanss</code>	mathematical sans-serif italic small s
U+1D635	<i>ṫ</i>	<i>ṫ</i>	<i>ṫ</i>	<i>ṫ</i>	<i>ṫ</i>	<i>ṫ</i>	<i>ṫ</i>	<code>\mitsanst</code>	mathematical sans-serif italic small t
U+1D636	<i>ṹ</i>	<i>ṹ</i>	<i>ṹ</i>	<i>ṹ</i>	<i>ṹ</i>	<i>ṹ</i>	<i>ṹ</i>	<code>\mitsansu</code>	mathematical sans-serif italic small u
U+1D637	<i>ṽ</i>	<i>ṽ</i>	<i>ṽ</i>	<i>ṽ</i>	<i>ṽ</i>	<i>ṽ</i>	<i>ṽ</i>	<code>\mitsansv</code>	mathematical sans-serif italic small v
U+1D638	<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</i>	<code>\mitsansw</code>	mathematical sans-serif italic small w
U+1D639	<i>Ẅ</i>	<i>Ẅ</i>	<i>Ẅ</i>	<i>Ẅ</i>	<i>Ẅ</i>	<i>Ẅ</i>	<i>Ẅ</i>	<code>\mitsansx</code>	mathematical sans-serif italic small x
U+1D63A	<i>Ẇ</i>	<i>Ẇ</i>	<i>Ẇ</i>	<i>Ẇ</i>	<i>Ẇ</i>	<i>Ẇ</i>	<i>Ẇ</i>	<code>\mitsansy</code>	mathematical sans-serif italic small y

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

15.1.17 Typewriter, Latin, uppercase

usv	M	S	E	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
U+1D676	G	G	G	G	G	G	G	<code>\mttG</code>	mathematical monospace capital g
U+1D677	H	H	H	H	H	H	H	<code>\mttH</code>	mathematical monospace capital h
U+1D678	I	I	I	I	I	I	I	<code>\mttI</code>	mathematical monospace capital i
U+1D679	J	J	J	J	J	J	J	<code>\mttJ</code>	mathematical monospace capital j
U+1D67A	K	K	K	K	K	K	K	<code>\mttK</code>	mathematical monospace capital k
U+1D67B	L	L	L	L	L	L	L	<code>\mttL</code>	mathematical monospace capital l
U+1D67C	M	M	M	M	M	M	M	<code>\mttM</code>	mathematical monospace capital m

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

15.1.18 Typewriter, Latin, lowercase

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

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

USV	M	S	E	X	P	L	G	Macro	Description
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
U+1D402	C	C	C	C	C	C	C	<code>\mbfC</code>	mathematical bold capital c
U+1D403	D	D	D	D	D	D	D	<code>\mbfD</code>	mathematical bold capital d
U+1D404	E	E	E	E	E	E	E	<code>\mbfE</code>	mathematical bold capital e
U+1D405	F	F	F	F	F	F	F	<code>\mbfF</code>	mathematical bold capital f
U+1D406	G	G	G	G	G	G	G	<code>\mbfG</code>	mathematical bold capital g
U+1D407	H	H	H	H	H	H	H	<code>\mbfH</code>	mathematical bold capital h

USV	M	S	E	X	P	L	G	Macro	Description
U+1D408	I	I	I	I	I	I	I	<code>\mbfI</code>	mathematical bold capital i
U+1D409	J	J	J	J	J	J	J	<code>\mbfJ</code>	mathematical bold capital j
U+1D40A	K	K	K	K	K	K	K	<code>\mbfK</code>	mathematical bold capital k
U+1D40B	L	L	L	L	L	L	L	<code>\mbfL</code>	mathematical bold capital l
U+1D40C	M	M	M	M	M	M	M	<code>\mbfM</code>	mathematical bold capital m
U+1D40D	N	N	N	N	N	N	N	<code>\mbfN</code>	mathematical bold capital n
U+1D40E	O	O	O	O	O	O	O	<code>\mbfO</code>	mathematical bold capital o
U+1D40F	P	P	P	P	P	P	P	<code>\mbfP</code>	mathematical bold capital p
U+1D410	Q	Q	Q	Q	Q	Q	Q	<code>\mbfQ</code>	mathematical bold capital q
U+1D411	R	R	R	R	R	R	R	<code>\mbfR</code>	mathematical bold capital r
U+1D412	S	S	S	S	S	S	S	<code>\mbfS</code>	mathematical bold capital s
U+1D413	T	T	T	T	T	T	T	<code>\mbfT</code>	mathematical bold capital t
U+1D414	U	U	U	U	U	U	U	<code>\mbfU</code>	mathematical bold capital u
U+1D415	V	V	V	V	V	V	V	<code>\mbfV</code>	mathematical bold capital v
U+1D416	W	W	W	W	W	W	W	<code>\mbfW</code>	mathematical bold capital w
U+1D417	X	X	X	X	X	X	X	<code>\mbfX</code>	mathematical bold capital x
U+1D418	Y	Y	Y	Y	Y	Y	Y	<code>\mbfY</code>	mathematical bold capital y
U+1D419	Z	Z	Z	Z	Z	Z	Z	<code>\mbfZ</code>	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	<code>\mbfa</code>	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	<code>\mbfb</code>	mathematical bold small b
U+1D41C	c	c	c	c	c	c	c	<code>\mbfc</code>	mathematical bold small c
U+1D41D	d	d	d	d	d	d	d	<code>\mbfd</code>	mathematical bold small d
U+1D41E	e	e	e	e	e	e	e	<code>\mbfe</code>	mathematical bold small e
U+1D41F	f	f	f	f	f	f	f	<code>\mbff</code>	mathematical bold small f
U+1D420	g	g	g	g	g	g	g	<code>\mbfg</code>	mathematical bold small g
U+1D421	h	h	h	h	h	h	h	<code>\mbfh</code>	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	<code>\mbfi</code>	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	<code>\mbfj</code>	mathematical bold small j
U+1D424	k	k	k	k	k	k	k	<code>\mbfk</code>	mathematical bold small k
U+1D425	l	l	l	l	l	l	l	<code>\mbfl</code>	mathematical bold small l
U+1D426	m	m	m	m	m	m	m	<code>\mbfm</code>	mathematical bold small m
U+1D427	n	n	n	n	n	n	n	<code>\mbfn</code>	mathematical bold small n
U+1D428	o	o	o	o	o	o	o	<code>\mbfo</code>	mathematical bold small o
U+1D429	p	p	p	p	p	p	p	<code>\mbfp</code>	mathematical bold small p
U+1D42A	q	q	q	q	q	q	q	<code>\mbfq</code>	mathematical bold small q
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

USV	M	S	E	X	P	L	G	Macro	Description
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
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	<code>\mbfLambda</code>	mathematical bold capital lambda
U+1D6B3	M	M	M	M	M	M	M	<code>\mbfMu</code>	mathematical bold capital mu

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

15.2.4 Bold Greek, lowercase

USV	M	S	E	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
U+1D6C5	δ	δ	δ	δ	δ	δ	δ	\mbfdelta	mathematical bold small delta

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

USV	M	S	E	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+1D6E0	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	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	\mbfitA	mathematical bold italic capital a
U+1D469	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	\mbfitB	mathematical bold italic capital b
U+1D46A	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	\mbfitC	mathematical bold italic capital c
U+1D46B	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	\mbfitD	mathematical bold italic capital d
U+1D46C	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	\mbfitE	mathematical bold italic capital e
U+1D46D	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	\mbfitF	mathematical bold italic capital f
U+1D46E	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	\mbfitG	mathematical bold italic capital g

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

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

15.2.6 Bold italic, Latin, lowercase

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D491	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<code>\mbfitp</code>	mathematical bold italic small p
U+1D492	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<code>\mbfitq</code>	mathematical bold italic small q
U+1D493	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<code>\mbfitr</code>	mathematical bold italic small r
U+1D494	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<code>\mbfits</code>	mathematical bold italic small s
U+1D495	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<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

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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D731	Φ	Ϣ	ϣ	Ϥ	ϥ	Ϧ	ϧ	<code>\mbfitPhi</code>	mathematical bold italic capital phi
U+1D732	Χ	Ϩ	ϩ	Ϫ	ϫ	Ϭ	ϭ	<code>\mbfitChi</code>	mathematical bold italic capital chi
U+1D733	Ψ	Ϸ	ϸ	Ϲ	Ϻ	ϻ	ϼ	<code>\mbfitPsi</code>	mathematical bold italic capital psi
U+1D734	Ω	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<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	ϰ	ϱ	ϲ	ϴ	ϵ	϶	<code>\mbfitalpha</code>	mathematical bold italic small alpha
U+1D737	β	ϭ	Ϯ	ϯ	ϰ	ϱ	ϲ	<code>\mbfitbeta</code>	mathematical bold italic small beta
U+1D738	γ	Ϸ	ϸ	Ϲ	Ϻ	ϻ	ϼ	<code>\mbfitgamma</code>	mathematical bold italic small gamma
U+1D739	δ	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitdelta</code>	mathematical bold italic small delta
U+1D73A	ε	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitvarepsilon</code>	mathematical bold italic small varepsilon
U+1D73B	ζ	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitzeta</code>	mathematical bold italic small zeta
U+1D73C	η	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfiteta</code>	mathematical bold italic small eta
U+1D73D	θ	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfittheta</code>	mathematical bold italic small theta
U+1D73E	ι	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitiota</code>	mathematical bold italic small iota
U+1D73F	κ	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitkappa</code>	mathematical bold italic small kappa
U+1D740	λ	Ͻ	Ͽ	Ϡ	ϡ	Ϣ	ϣ	<code>\mbfitlambda</code>	mathematical bold italic small lambda

USV	M	S	E	X	P	L	G	Macro	Description
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
U+1D749	τ	τ	τ	τ	τ	τ	τ	<code>\mbfittau</code>	mathematical bold italic small tau
U+1D74A	υ	υ	υ	υ	υ	υ	υ	<code>\mbfitupsilon</code>	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ	φ	<code>\mbfitvarphi</code>	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	χ	χ	χ	<code>\mbfitchi</code>	mathematical bold italic small chi
U+1D74D	ψ	ψ	ψ	ψ	ψ	ψ	ψ	<code>\mbfitpsi</code>	mathematical bold italic small psi
U+1D74E	ω	ω	ω	ω	ω	ω	ω	<code>\mbfitomega</code>	mathematical bold italic small omega
U+1D74F	∂	∂	∂	∂	∂	∂	∂	<code>\mbfitpartial</code>	mathematical bold italic partial differential
U+1D750	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	<code>\mbfitepsilon</code>	mathematical bold italic varepsilon symbol
U+1D751	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	<code>\mbfitvartheta</code>	mathematical bold italic theta symbol

USV	M	S	E	X	P	L	G	Macro	Description
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
U+1D4D3	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mbfscrD</code>	mathematical bold script capital d
U+1D4D4	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mbfscrE</code>	mathematical bold script capital e
U+1D4D5	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<code>\mbfscrF</code>	mathematical bold script capital f
U+1D4D6	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<i>G</i>	<code>\mbfscrG</code>	mathematical bold script capital g
U+1D4D7	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<i>H</i>	<code>\mbfscrH</code>	mathematical bold script capital h
U+1D4D8	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<i>I</i>	<code>\mbfscrI</code>	mathematical bold script capital i
U+1D4D9	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mbfscrJ</code>	mathematical bold script capital j

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

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>æ</i>	<i>ɑ</i>	<code>\mbfscra</code>	mathematical bold script small a
U+1D4EB		<i>b</i>			<i>b</i>	<i>ß</i>	<i>ɓ</i>	<code>\mbfscrb</code>	mathematical bold script small b
U+1D4EC		<i>c</i>			<i>c</i>	<i>ç</i>	<i>ɔ</i>	<code>\mbfscrc</code>	mathematical bold script small c
U+1D4ED		<i>d</i>			<i>d</i>	<i>ð</i>	<i>ɖ</i>	<code>\mbfscrd</code>	mathematical bold script small d
U+1D4EE		<i>e</i>			<i>e</i>	<i>é</i>	<i>ɛ</i>	<code>\mbfscree</code>	mathematical bold script small e
U+1D4EF		<i>f</i>			<i>f</i>	<i>ƒ</i>	<i>ɸ</i>	<code>\mbfscrf</code>	mathematical bold script small f
U+1D4F0		<i>g</i>			<i>g</i>	<i>ɡ</i>	<i>ɣ</i>	<code>\mbfscrg</code>	mathematical bold script small g
U+1D4F1		<i>h</i>			<i>h</i>	<i>℥</i>	<i>ɦ</i>	<code>\mbfscrh</code>	mathematical bold script small h
U+1D4F2		<i>i</i>			<i>i</i>	<i>ï</i>	<i>ɨ</i>	<code>\mbfscri</code>	mathematical bold script small i
U+1D4F3		<i>j</i>			<i>j</i>	<i>ĵ</i>	<i>ɟ</i>	<code>\mbfscrj</code>	mathematical bold script small j
U+1D4F4		<i>k</i>			<i>k</i>	<i>ƙ</i>	<i>ƙ</i>	<code>\mbfscrk</code>	mathematical bold script small k
U+1D4F5		<i>l</i>			<i>l</i>	<i>ℓ</i>	<i>ɭ</i>	<code>\mbfscr l</code>	mathematical bold script small l
U+1D4F6		<i>m</i>			<i>m</i>	<i>𝓂</i>	<i>ɱ</i>	<code>\mbfscrm</code>	mathematical bold script small m
U+1D4F7		<i>n</i>			<i>n</i>	<i>𝓃</i>	<i>ɳ</i>	<code>\mbfscrn</code>	mathematical bold script small n
U+1D4F8		<i>o</i>			<i>o</i>	<i>ó</i>	<i>ɔ</i>	<code>\mbfscro</code>	mathematical bold script small o
U+1D4F9		<i>p</i>			<i>p</i>	<i>𝓅</i>	<i>ɸ</i>	<code>\mbfscrp</code>	mathematical bold script small p
U+1D4FA		<i>q</i>			<i>q</i>	<i>𝓆</i>	<i>ɸ</i>	<code>\mbfscrq</code>	mathematical bold script small q

USV	M	S	E	X	P	L	G	Macro	Description
U+1D4FB		<i>ŕ</i>			<i>ŕ</i>	<i>ŕ</i>	<i>ŕ</i>	<code>\mbfscrr</code>	mathematical bold script small r
U+1D4FC		<i>ŝ</i>			<i>ŝ</i>	<i>ŝ</i>	<i>ŝ</i>	<code>\mbfscrs</code>	mathematical bold script small s
U+1D4FD		<i>ŧ</i>			<i>ŧ</i>	<i>ŧ</i>	<i>ŧ</i>	<code>\mbfscrt</code>	mathematical bold script small t
U+1D4FE		<i>ŭ</i>			<i>ŭ</i>	<i>ŭ</i>	<i>ŭ</i>	<code>\mbfscru</code>	mathematical bold script small u
U+1D4FF		<i>ŵ</i>			<i>ŵ</i>	<i>ŵ</i>	<i>ŵ</i>	<code>\mbfscrv</code>	mathematical bold script small v
U+1D500		<i>ŵ</i>			<i>ŵ</i>	<i>ŵ</i>	<i>ŵ</i>	<code>\mbfscrw</code>	mathematical bold script small w
U+1D501		<i>Ẁ</i>			<i>Ẁ</i>	<i>Ẁ</i>	<i>Ẁ</i>	<code>\mbfscrx</code>	mathematical bold script small x
U+1D502		<i>ẁ</i>			<i>ẁ</i>	<i>ẁ</i>	<i>ẁ</i>	<code>\mbfscry</code>	mathematical bold script small y
U+1D503		<i>Ẃ</i>			<i>Ẃ</i>	<i>Ẃ</i>	<i>Ẃ</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
U+1D56D	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<code>\mbffrakB</code>	mathematical bold fraktur capital b
U+1D56E	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<code>\mbffrakC</code>	mathematical bold fraktur capital c
U+1D56F	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<code>\mbffrakD</code>	mathematical bold fraktur capital d
U+1D570	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<i>E</i>	<code>\mbffrakE</code>	mathematical bold fraktur capital e
U+1D571	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<i>F</i>	<code>\mbffrakF</code>	mathematical bold fraktur capital f

usv	M	S	E	X	P	L	G	Macro	Description
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
U+1D57F								<code>\mbffrakT</code>	mathematical bold fraktur capital t
U+1D580								<code>\mbffrakU</code>	mathematical bold fraktur capital u
U+1D581								<code>\mbffrakV</code>	mathematical bold fraktur capital v
U+1D582								<code>\mbffrakW</code>	mathematical bold fraktur capital w

USV	M	S	E	X	P	L	G	Macro	Description
U+1D583	𝔷	𝔸	𝔹	𝔽	𝔾	𝔿	𝔿	<code>\mbffrakX</code>	mathematical bold fraktur capital x
U+1D584	𝔻	𝔼	𝔽	𝔾	𝔿	𝔿	𝔿	<code>\mbffrakY</code>	mathematical bold fraktur capital y
U+1D585	𝔽	𝔾	𝔿	𝔿	𝔿	𝔿	𝔿	<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	𝔞	𝔠	𝔡	𝔢	𝔣	𝔤	<code>\mbffrakb</code>	mathematical bold fraktur small b
U+1D588	𝔠	𝔡	𝔢	𝔣	𝔤	𝔥	𝔦	<code>\mbffrakc</code>	mathematical bold fraktur small c
U+1D589	𝔡	𝔢	𝔣	𝔤	𝔥	𝔦	𝔦	<code>\mbffrakd</code>	mathematical bold fraktur small d
U+1D58A	𝔢	𝔣	𝔤	𝔥	𝔦	𝔦	𝔦	<code>\mbffrake</code>	mathematical bold fraktur small e
U+1D58B	𝔣	𝔥	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakf</code>	mathematical bold fraktur small f
U+1D58C	𝔥	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakg</code>	mathematical bold fraktur small g
U+1D58D	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakh</code>	mathematical bold fraktur small h
U+1D58E	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffraki</code>	mathematical bold fraktur small i
U+1D58F	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakj</code>	mathematical bold fraktur small j
U+1D590	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakk</code>	mathematical bold fraktur small k
U+1D591	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	𝔦	<code>\mbffrakl</code>	mathematical bold fraktur small l

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

usv	M	S	E	X	P	L	G	Macro	Description
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
U+1D5E6	S	S	S	S	S	S	S	<code>\mbfsansS</code>	mathematical sans-serif bold capital s

USV	M	S	E	X	P	L	G	Macro	Description
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

usv	M	S	E	X	P	L	G	Macro	Description
U+1D607	z	z	z	z	z	z	z	<code>\mbfandsz</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

USV	M	S	E	X	P	L	G	Macro	Description
U+1D64A	<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 capital o
U+1D64B	<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 capital p
U+1D64C	<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 capital q
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

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

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

USV	M	S	E	X	P	L	G	Macro	Description
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	Μ	Μ	Μ	Μ	Μ	Μ	Μ	<code>\mbfsansMu</code>	mathematical sans-serif bold capital mu
U+1D762	Ν	Ν	Ν	Ν	Ν	Ν	Ν	<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	Ο	Ο	Ο	Ο	Ο	Ο	Ο	<code>\mbfsansOmicron</code>	mathematical sans-serif bold capital omicron
U+1D765	Π	Π	Π	Π	Π	Π	Π	<code>\mbfsansPi</code>	mathematical sans-serif bold capital pi
U+1D766	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	<code>\mbfsansRho</code>	mathematical sans-serif bold capital rho
U+1D767	Θ	Θ	Θ	Θ	Θ	Θ	Θ	<code>\mbfsansvarTheta</code>	mathematical sans-serif bold capital theta symbol
U+1D768	Σ	Σ	Σ	Σ	Σ	Σ	Σ	<code>\mbfsansSigma</code>	mathematical sans-serif bold capital sigma
U+1D769	Τ	Τ	Τ	Τ	Τ	Τ	Τ	<code>\mbfsansTau</code>	mathematical sans-serif bold capital tau
U+1D76A	Υ	Υ	Υ	Υ	Υ	Υ	Υ	<code>\mbfsansUpsilon</code>	mathematical sans-serif bold capital upsilon
U+1D76B	Φ	Φ	Φ	Φ	Φ	Φ	Φ	<code>\mbfsansPhi</code>	mathematical sans-serif bold capital phi
U+1D76C	Χ	Χ	Χ	Χ	Χ	Χ	Χ	<code>\mbfsansChi</code>	mathematical sans-serif bold capital chi
U+1D76D	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	<code>\mbfsansPsi</code>	mathematical sans-serif bold capital psi
U+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	Ω	<code>\mbfsansOmega</code>	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
U+1D776	η	η	η	η	η	η	η	\mbfsanseta	mathematical sans-serif bold small eta
U+1D777	θ	θ	θ	θ	θ	θ	θ	\mbfsanstheta	mathematical sans-serif bold small theta
U+1D778	ι	ι	ι	ι	ι	ι	ι	\mbfsansiota	mathematical sans-serif bold small iota
U+1D779	κ	κ	κ	κ	κ	κ	κ	\mbfsanskappa	mathematical sans-serif bold small kappa
U+1D77A	λ	λ	λ	λ	λ	λ	λ	\mbfsanslambda	mathematical sans-serif bold small lambda
U+1D77B	μ	μ	μ	μ	μ	μ	μ	\mbfsansmu	mathematical sans-serif bold small mu
U+1D77C	ν	ν	ν	ν	ν	ν	ν	\mbfsansnu	mathematical sans-serif bold small nu
U+1D77D	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	ο	ο	ο	ο	ο	ο	ο	\mbfsansomicron	mathematical sans-serif bold small omicron
U+1D77F	π	π	π	π	π	π	π	\mbfsanspi	mathematical sans-serif bold small pi
U+1D780	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfsansrho	mathematical sans-serif bold small rho

USV	M	S	E	X	P	L	G	Macro	Description
U+1D781	ς	ς	ς	ς	ς	ς	ς	\mbfsansvarsigma	mathematical sans-serif bold small final sigma
U+1D782	σ	σ	σ	σ	σ	σ	σ	\mbfsanssigma	mathematical sans-serif bold small sigma
U+1D783	τ	τ	τ	τ	τ	τ	τ	\mbfsanstau	mathematical sans-serif bold small tau
U+1D784	υ	υ	υ	υ	υ	υ	υ	\mbfsansupsilon	mathematical sans-serif bold small upsilon
U+1D785	φ	φ	φ	φ	φ	φ	φ	\mbfsansvarphi	mathematical sans-serif bold small phi
U+1D786	χ	χ	χ	χ	χ	χ	χ	\mbfsanschi	mathematical sans-serif bold small chi
U+1D787	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfsanspsi	mathematical sans-serif bold small psi
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	ε	ε	ε	ε	ε		ε	\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	π	π	π	π	π			\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	A	A	A	A	A	A		<code>\mbfitsansAlpha</code>	mathematical sans-serif bold italic capital alpha
U+1D791	B	B	B	B	B	B		<code>\mbfitsansBeta</code>	mathematical sans-serif bold italic capital beta
U+1D792	Γ	Γ	Γ	Γ	Γ	Γ		<code>\mbfitsansGamma</code>	mathematical sans-serif bold italic capital gamma
U+1D793	Δ	Δ	Δ	Δ	Δ	Δ		<code>\mbfitsansDelta</code>	mathematical sans-serif bold italic capital delta
U+1D794	E	E	E	E	E	E		<code>\mbfitsansEpsilon</code>	mathematical sans-serif bold italic capital epsilon
U+1D795	Z	Z	Z	Z	Z	Z		<code>\mbfitsansZeta</code>	mathematical sans-serif bold italic capital zeta
U+1D796	H	H	H	H	H	H		<code>\mbfitsansEta</code>	mathematical sans-serif bold italic capital eta
U+1D797	Θ	Θ	Θ	Θ	Θ	Θ		<code>\mbfitsansTheta</code>	mathematical sans-serif bold italic capital theta
U+1D798	I	I	I	I	I	I		<code>\mbfitsansIota</code>	mathematical sans-serif bold italic capital iota
U+1D799	K	K	K	K	K	K		<code>\mbfitsansKappa</code>	mathematical sans-serif bold italic capital kappa
U+1D79A	Λ	Λ	Λ	Λ	Λ	Λ		<code>\mbfitsansLambda</code>	mathematical sans-serif bold italic capital lambda
U+1D79B	M	M	M	M	M	M		<code>\mbfitsansMu</code>	mathematical sans-serif bold italic capital mu
U+1D79C	N	N	N	N	N	N		<code>\mbfitsansNu</code>	mathematical sans-serif bold italic capital nu
U+1D79D	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ		<code>\mbfitsansXi</code>	mathematical sans-serif bold italic capital xi
U+1D79E	O	O	O	O	O	O		<code>\mbfitsansOmicron</code>	mathematical sans-serif bold italic capital omicron
U+1D79F	Π	Π	Π	Π	Π	Π		<code>\mbfitsansPi</code>	mathematical sans-serif bold italic capital pi
U+1D7A0	P	P	P	P	P	P		<code>\mbfitsansRho</code>	mathematical sans-serif bold italic capital rho

USV	M	S	E	X	P	L	G	Macro	Description
U+1D7A1	Θ	θ	Θ	Θ	Θ	Θ		<code>\mbfitsansvarTheta</code>	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	Σ	Σ	Σ	Σ	Σ	Σ		<code>\mbfitsansSigma</code>	mathematical sans-serif bold italic capital sigma
U+1D7A3	Τ	Τ	Τ	Τ	Τ	Τ		<code>\mbfitsansTau</code>	mathematical sans-serif bold italic capital tau
U+1D7A4	Υ	Υ	Υ	Υ	Υ	Υ		<code>\mbfitsansUpsilon</code>	mathematical sans-serif bold italic capital upsilon
U+1D7A5	Φ	Φ	Φ	Φ	Φ	Φ		<code>\mbfitsansPhi</code>	mathematical sans-serif bold italic capital phi
U+1D7A6	Χ	Χ	Χ	Χ	Χ	Χ		<code>\mbfitsansChi</code>	mathematical sans-serif bold italic capital chi
U+1D7A7	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ		<code>\mbfitsansPsi</code>	mathematical sans-serif bold italic capital psi
U+1D7A8	Ω	Ω	Ω	Ω	Ω	Ω		<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	α	α	α	α	α	α		<code>\mbfitsansalpha</code>	mathematical sans-serif bold italic small alpha
U+1D7AB	β	β	β	β	β	β		<code>\mbfitsansbeta</code>	mathematical sans-serif bold italic small beta
U+1D7AC	γ	γ	γ	γ	γ	γ		<code>\mbfitsansgamma</code>	mathematical sans-serif bold italic small gamma
U+1D7AD	δ	δ	δ	δ	δ	δ		<code>\mbfitsansdelta</code>	mathematical sans-serif bold italic small delta
U+1D7AE	ε	ε	ε	ε	ε	ε		<code>\mbfitsansvarepsilon</code>	mathematical sans-serif bold italic small varepsilon
U+1D7AF	ζ	ζ	ζ	ζ	ζ	ζ		<code>\mbfitsanszeta</code>	mathematical sans-serif bold italic small zeta
U+1D7B0	η	η	η	η	η	η		<code>\mbfitsanseta</code>	mathematical sans-serif bold italic small eta

USV	M	S	E	X	P	L	G	Macro	Description
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
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

usv	M	S	E	X	P	L	G	Macro	Description
U+1D7C2	ω	ω	ω	ω	ω	ω		<code>\mbfitsansomega</code>	mathematical sans-serif bold italic small omega
U+1D7C3	∂	∂	∂	∂	∂			<code>\mbfitsanspartial</code>	mathematical sans-serif bold italic partial differential
U+1D7C4	ϵ	ϵ	ϵ	ϵ	ϵ			<code>\mbfitsansepsilon</code>	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ		<code>\mbfitsansvarthetaeta</code>	mathematical sans-serif bold italic theta symbol
U+1D7C6	κ	κ	κ	κ	κ			<code>\mbfitsansvarkappa</code>	mathematical sans-serif bold italic kappa symbol
U+1D7C7	ϕ	ϕ	ϕ	ϕ	ϕ			<code>\mbfitsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8	ϱ	ϱ	ϱ	ϱ	ϱ			<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9	ϖ	ϖ	ϖ	ϖ	ϖ			<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	\eth	\eth	\eth	\eth	\eth	\eth	\eth	<code>\matheth</code>	eth
U+02010	-	-	-	-	-	-	-	<code>\mathhyphen</code>	hyphen
U+02102	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	\textcircled{C}	<code>\BbbC</code>	/bbb c, open face c
U+0210A		\textit{g}	\textit{g}	\textit{g}	\textit{g}	\textit{g}	\textit{g}	<code>\mscrg</code>	/scr g, script letter g
U+0210B	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	\mathcal{H}	<code>\mscrH</code>	hamiltonian (script capital h)
U+0210C	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	<code>\mfrakH</code>	/frak h, upper case h
U+0210D	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	\textcircled{H}	<code>\BbbH</code>	/bbb h, open face h
U+0210F	\hslash	\hslash	\hslash	\hslash	\hslash	\hslash	\hslash	<code>\hslash^(a)</code>	/hslash - variant planck's over 2pi

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

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

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