

Symbols defined by unicode-math

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

L **Latin Modern Math** (1586)
X **XITS Math** (2433)
S **STIX Two Math** (2434)
P **TeX Gyre Pagella Math** (1639)
D **DejaVu Math TeX Gyre** (1641)
F **Fira Math** (1053)
N **NCM Math** (2431)
H **GFSNeohellenicMath** (1657)
E **ErewhonMath** (1665)
C **XCharterMath** (1653)
R **ConcreteMath** (1644)

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.¹

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¹Only a single \TeX Gyre Math font is shown here by design as they all largely have the same symbol coverage.

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1 Opening symbols, \mathopen

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+00028	(((((((((((\lparen	left parenthesis
U+0005B	[	[	[	[	[	[	[	[	[	[	[	\lbrack	left square bracket
U+0007B	{	{	{	{	{	{	{	{	{	{	{	\lbrace ^(p)	left curly bracket
U+0221A	√	√	√	√	√	√	√	√	√	√	√	\sqrt ^(p)	radical
U+0221B	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	$\sqrt[3]{}$	\cuberoot	cube root
U+0221C	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	$\sqrt[4]{}$	\fourthroot	fourth root
U+02308	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	⌈	\lceil ^(p)	left ceiling
U+0230A	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	\lfloor ^(p)	left floor
U+0231C	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	\ulcorner	upper left corner
U+0231E	⏟	⏟	⏟	⏟	⏟	⏟	⏟	⏟	⏟	⏟	⏟	\llcorner	lower left corner
U+023B0	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lmoustache ^(p)	upper left or lower right curly bracket section
U+02772	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lbrbrak	light left tortoise shell bracket ornament
U+027C5	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lbag	left s-shaped bag delimiter
U+027CC	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\longdivision	long division
U+027E6	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lBrack	mathematical left white square bracket
U+027E8	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\langle ^(p)	mathematical left angle bracket
U+027EA	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lAngle	mathematical left double angle bracket
U+027EC	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\Lbrbrak	mathematical left white tortoise shell bracket
U+027EE	(	(	(	(	(	(	(	(	(	(	(	\lgroup^(p)	mathematical left flattened parenthesis
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	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lbrkbrbrak	left black tortoise shell bracket
U+029D8	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lvzigzag	left wiggly fence
U+029DA	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\Lvzigzag	left double wiggly fence
U+029FC	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	⎵	\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

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

3 Fence symbols, `\mathfence`

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

5 ‘Over’ symbols, `\mathover`

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

6 ‘Under’ symbols, `\mathunder`

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+023B5	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbracket</code>	bottom square bracket
U+023DD	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	$\underparen{x+y}$	<code>\underparen</code>	bottom parenthesis (mathematical use)
U+023DF	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	<code>\underbrace^(p)</code>	bottom curly bracket (mathematical use)

7 Accents, \mathaccent

Note that accents will only be properly placed if used with an OpenType font with the necessary information.

usv	LXSPDFNHECR	Macro	Description
U+00300	\grave{x}	<code>\grave{x}</code> ^(p)	grave accent
U+00301	\acute{x}	<code>\acute{x}</code> ^(p)	acute accent
U+00302	\hat{x}	<code>\hat{x}</code> ^(p)	circumflex accent
U+00303	\tilde{x}	<code>\tilde{x}</code> ^(p)	tilde
U+00304	\bar{x}	<code>\bar{x}</code> ^(p)	macron
U+00305	\overline{x}	<code>\overbar</code>	overbar embellishment
U+00306	\breve{x}	<code>\breve</code> ^(p)	breve
U+00307	\dot{x}	<code>\dot{x}</code> ^(p)	dot above
U+00308	\ddot{x}	<code>\ddot{x}</code> ^(p)	dieresis
U+00309	$\overset{\circ}{x}$	<code>\ovhook</code>	combining hook above
U+0030A	\ring{x}	<code>\ocirc</code>	ring
U+0030C	\check{x}	<code>\check{x}</code> ^(p)	caron
U+00310	$\underset{\sim}{x}$	<code>\candra</code>	candrabindu (non-spacing)
U+00312	\tilde{x}	<code>\oturnedcomma</code>	combining turned comma above
U+00315	$\overset{\circ}{x}$	<code>\ocommatopright</code>	combining comma above right
U+0031A	$\overset{\circ}{x}$	<code>\droang</code>	left angle above (non-spacing)
U+020D0	\lefttharpoonup	<code>\lefttharpoonupaccent</code>	combining left harpoon above
U+020D1	\rightarrowtharpoonup	<code>\rightarrowtharpoonupaccent</code>	combining right harpoon above
U+020D2	$\overline{\overline{x}}$	<code>\vertoverlay</code>	combining long vertical line overlay
U+020D7	\overrightarrow{x}	<code>\vec</code> ^(p)	combining right arrow above
U+020DB	$\overline{\overline{\overline{x}}}$	<code>\dddots</code>	combining three dots above
U+020DC	$\overline{\overline{\overline{\overline{x}}}}$	<code>\ddddots</code>	combining four dots above
U+020E7	$\overline{\overline{x}}$	<code>\annuity</code>	combining annuity symbol
U+020E9	$\overline{\overline{\overline{x}}}$	<code>\widebridgeabove</code>	combining wide bridge above
U+020F0	$\overline{\overline{\overline{\overline{x}}}}$	<code>\asteraccent</code>	combining asterisk above

























































































































































8 Bottom accents, \mathbotaccent



























































































usv	LXSPDFNHECR	Macro	Description
U+020E8	$\overline{\overline{\overline{x}}}$	<code>\threeunderdot</code>	combining triple underdot

9 Big operators, \mathop

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02140	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1	\sum_0^1		\sum_0^1	\sum_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_0^1	\prod_0^1	\prod_0^1	\prod_0^1	\prod^{(p)}	product operator
U+02210	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_0^1	\coprod_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_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_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_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_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_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_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_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	\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	\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	\oint_0^1	\oint_0^1	\oint_0^1	\ointctrackwise	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_0^1	\bigwedge_0^1	\bigwedge_0^1	\bigwedge^{(p)}	logical and operator
U+022C1	\bigvee_0^1	\bigvee_0^1	\bigvee_0^1	\bigvee_0^1	\bigvee_0^1		\bigvee_0^1	\bigvee_0^1	\bigvee_0^1	\bigvee_0^1	\bigvee_0^1	\bigvee^{(p)}	logical or operator
U+022C2	\bigcap_0^1	\bigcap_0^1	\bigcap_0^1	\bigcap_0^1	\bigcap_0^1		\bigcap_0^1	\bigcap_0^1	\bigcap_0^1	\bigcap_0^1	\bigcap_0^1	\bigcap^{(p)}	intersection operator
U+022C3	\bigcup_0^1	\bigcup_0^1	\bigcup_0^1	\bigcup_0^1	\bigcup_0^1		\bigcup_0^1	\bigcup_0^1	\bigcup_0^1	\bigcup_0^1	\bigcup_0^1	\bigcup^{(p)}	union operator
U+027D5		\Join_0^1	\Join_0^1				\Join_0^1	\Join_0^1				\leftouterjoin	left outer join
U+027D6		\Join_0^1	\Join_0^1				\Join_0^1	\Join_0^1				\rightouterjoin	right outer join
U+027D7		\Join_0^1	\Join_0^1				\Join_0^1	\Join_0^1				\fullouterjoin	full outer join

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+027D8												<code>\bigbot</code>	large up tack
U+027D9												<code>\bigtop</code>	large down tack
U+029F8												<code>\xsol</code>	big solidus
U+029F9												<code>\xbsol</code>	big reverse solidus
U+02A00												<code>\bigodot^(p)</code>	n-ary circled dot operator
U+02A01												<code>\bigoplus^(p)</code>	n-ary circled plus operator
U+02A02												<code>\bigotimes^(p)</code>	n-ary circled times operator
U+02A03												<code>\bigcupdot</code>	n-ary union operator with dot
U+02A04												<code>\biguplus^(p)</code>	n-ary union operator with plus
U+02A05												<code>\bigsqcap</code>	n-ary square intersection operator
U+02A06												<code>\bigsqcup^(p)</code>	n-ary square union operator
U+02A07												<code>\conjquant</code>	two logical and operator
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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A11												<code>\awint</code>	anticlockwise integration
U+02A12												<code>\rppolint</code>	line integration with rectangular path around pole
U+02A13												<code>\scpolint</code>	line integration with semicircular path around pole
U+02A14												<code>\npolint</code>	line integration not including the pole
U+02A15												<code>\pointint</code>	integral around a point operator
U+02A16												<code>\sqint</code>	quaternion integral operator
U+02A17												<code>\intlarhk</code>	integral with leftwards arrow with hook
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>\bigtriangleleftleft</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+1EEFO												<code>\arabicmaj</code>	arabic mathematical operator meem with hah with tatweel
U+1EEF1												<code>\arabichad</code>	arabic mathematical operator hah with dal

10 Binary relations, \mathbin

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0002B	+	+	+	+	+	+	+	+	+	+	+	\mathplus	plus sign b:
U+000B1	±	±	±	±	±	±	±	±	±	±	±	\pm ^(p)	plus-or-minus sign
U+000B7	·	·	·	·	·	·	·	·	·	·	·	\cdotp ^(p)	/centerdot b: middle dot
U+000D7	×	×	×	×	×	×	×	×	×	×	×	\times ^(p)	multiply sign
U+000F7	÷	÷	÷	÷	÷	÷	÷	÷	÷	÷	÷	\div ^(p)	divide sign
U+02020	†	†	†	†	†	†	†	†	†	†	†	\dagger ^(p)	dagger relation
U+02021	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	\ddagger ^(p)	double dagger relation
U+02022	●	●	●	●	●	●	●	●	●	●	●	\smbllkcircle	/bullet b: round bullet, filled
U+02040	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\tieconcat	character tie, z notation sequence concatenation
U+02044	/	/	/	/	/	/	/	/	/	/	/	\fracslash	fraction slash
U+0214B	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	\upand	turned ampersand
U+02212	−	−	−	−	−	−	−	−	−	−	−	\minus	minus sign
U+02213	∓	∓	∓	∓	∓	∓	∓	∓	∓	∓	∓	\mp ^(p)	minus-or-plus sign
U+02214	⋇	⋇	⋇	⋇	⋇	⋇	⋇	⋇	⋇	⋇	⋇	\dotplus ^(a)	plus sign, dot above
U+02215	/	/	/	/	/	/	/	/	/	/	/	\divslash	division slash
U+02216	\	\	\	\	\	\	\	\	\	\	\	\setminus ^(p)	set minus (cf. reverse solidus)
U+02217	*	*	*	*	*	*	*	*	*	*	*	\ast ^(p)	centered asterisk
U+02218	∘	∘	∘	∘	∘	∘	∘	∘	∘	∘	∘	\vysmwhtcircle	composite function (small circle)
U+02219	●	●	●	●	●	●	●	●	●	●	●	\vysmbllkcircle	bullet operator
U+02227	∧	∧	∧	∧	∧	∧	∧	∧	∧	∧	∧	\wedge ^(p)	/wedge /land b: logical and
U+02228	∨	∨	∨	∨	∨	∨	∨	∨	∨	∨	∨	\vee ^(p)	/vee /lor b: logical or
U+02229	∩	∩	∩	∩	∩	∩	∩	∩	∩	∩	∩	\cap ^(p)	intersection
U+0222A	∪	∪	∪	∪	∪	∪	∪	∪	∪	∪	∪	\cup ^(p)	union or logical sum
U+02238	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\dotminus	minus sign, dot above
U+0223E	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\invlazys	most positive [inverted lazy s]
U+02240	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	⌘	\wr ^(p)	wreath product
U+0228C	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	\cupleftarrow	multiset
U+0228D	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	⊎	\cupdot	union, with dot
U+0228E	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	\uplus ^(p)	plus sign in union
U+02293	⊓	⊓	⊓	⊓	⊓	⊓	⊓	⊓	⊓	⊓	⊓	\sqcap ^(p)	square intersection
U+02294	⊔	⊔	⊔	⊔	⊔	⊔	⊔	⊔	⊔	⊔	⊔	\sqcup ^(p)	square union
U+02295	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	\oplus ^(p)	plus sign in circle
U+02296	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	\ominus ^(p)	minus sign in circle
U+02297	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	\otimes ^(p)	multiply sign in circle
U+02298	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	\oslash ^(p)	solidus in circle
U+02299	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	\odot ^(p)	middle dot in circle
U+0229A	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	\circledcirc ^(a)	small circle in circle
U+0229B	⊛	⊛	⊛	⊛	⊛	⊛	⊛	⊛	⊛	⊛	⊛	\circledast ^(a)	asterisk in circle
U+0229C	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	\circledequal	equal in circle
U+0229D	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	⊜	\circleddash ^(a)	hyphen in circle
U+0229E	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	\boxplus ^(a)	plus sign in box
U+0229F	⊟	⊟	⊟	⊟	⊟	⊟	⊟	⊟	⊟	⊟	⊟	\boxminus ^(a)	minus sign in box
U+022A0	⊠	⊠	⊠	⊠	⊠	⊠	⊠	⊠	⊠	⊠	⊠	\boxtimes ^(a)	multiply sign in box
U+022A1	⊡	⊡	⊡	⊡	⊡	⊡	⊡	⊡	⊡	⊡	⊡	\boxdot ^(a)	/dotsquare /boxdot b: small dot in box
U+022BA	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	⌞	\intercal ^(a)	intercal

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+022BB												<code>\veebar^(a)</code>	logical or, bar below (large vee); exclusive disjunction
U+022BC												<code>\barwedge^(a)</code>	bar, wedge (large wedge)
U+022BD												<code>\barvee</code>	bar, vee (large vee)
U+022C4												<code>\smwhtdiamond</code>	white diamond
U+022C5												<code>\cdot^(p)</code>	small middle dot
U+022C6												<code>\star^(p)</code>	small star, filled, low
U+022C7												<code>\divideontimes^(a)</code>	division on times
U+022C9												<code>\ltimes^(a)</code>	times sign, left closed
U+022CA												<code>\rtimes^(a)</code>	times sign, right closed
U+022CB												<code>\leftthreetimes^(a)</code>	left semidirect product
U+022CC												<code>\rightthreetimes^(a)</code>	right semidirect product
U+022CE												<code>\curlyvee^(a)</code>	curly logical or
U+022CF												<code>\curlywedge^(a)</code>	curly logical and
U+022D2												<code>\Cap^(a)</code>	/cap /doublecap b: double intersection
U+022D3												<code>\Cup^(a)</code>	/cup /doublecup b: double union
U+02305												<code>\varbarwedge</code>	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306												<code>\vardoublebarwedge</code>	/doublebarwedge b: logical and, double bar above [per- spective (double bar over small wedge)]
U+0233D												<code>\obar</code>	circle with vertical bar
U+025B3												<code>\bigtriangleup^(p)</code>	big up triangle, open
U+025B7												<code>\triangleright^(p)</code>	(large) right triangle, open; z notation range restriction
U+025C1												<code>\triangleleft^(p)</code>	(large) left triangle, open; z notation domain restriction
U+025CB												<code>\mdlgwhtcircle</code>	medium large circle
U+025EB												<code>\boxbar</code>	vertical bar in box
U+027C7												<code>\veedot</code>	or with dot inside
U+027D1												<code>\wedgedot</code>	and with dot
U+027E0												<code>\lozengeminus</code>	lozenge divided by horizontal rule
U+027E1												<code>\concavediamond</code>	white concave-sided diamond
U+027E2												<code>\concavediamondtickleft</code>	white concave-sided diamond with leftwards tick
U+027E3												<code>\concavediamondtickright</code>	white concave-sided diamond with rightwards tick
U+027E4												<code>\whitesquaretickleft</code>	white square with leftwards tick
U+027E5												<code>\whitesquaretickright</code>	white square with rightwards tick
U+029B5												<code>\circlehbar</code>	circle with horizontal bar
U+029B6												<code>\circledvert</code>	circled vertical bar
U+029B7												<code>\circledparallel</code>	circled parallel
U+029B8												<code>\obslash</code>	circled reverse solidus
U+029B9												<code>\operp</code>	circled perpendicular
U+029C0												<code>\olessthan</code>	circled less-than
U+029C1												<code>\ogreaterthan</code>	circled greater-than
U+029C4												<code>\boxdiag</code>	squared rising diagonal slash
U+029C5												<code>\boxbslash</code>	squared falling diagonal slash
U+029C6												<code>\boxast</code>	squared asterisk

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+029C7												<code>\boxcircle</code>	squared small circle
U+029C8												<code>\boxbox</code>	squared square
U+029CD												<code>\triangleaserifs</code>	triangle with serifs at bottom
U+029D6												<code>\hourglass</code>	white hourglass
U+029D7												<code>\blackhourglass</code>	black hourglass
U+029E2												<code>\shuffle</code>	shuffle product
U+029EB												<code>\mdlgbklozenge</code>	black lozenge
U+029F5												<code>\reversesolidus</code>	reverse solidus
U+029F6												<code>\dsol</code>	solidus with overbar
U+029F7												<code>\rsolbar</code>	reverse solidus with horizontal stroke
U+029FA												<code>\doubleplus</code>	double plus
U+029FB												<code>\tripleplus</code>	triple plus
U+029FE												<code>\tplus</code>	tiny
U+029FF												<code>\tminus</code>	minus
U+02A22												<code>\ringplus</code>	plus sign with small circle above
U+02A23												<code>\plushat</code>	plus sign with circumflex accent above
U+02A24												<code>\simplus</code>	plus sign with tilde above
U+02A25												<code>\plusdot</code>	plus sign with dot below
U+02A26												<code>\plussim</code>	plus sign with tilde below
U+02A27												<code>\plussubtwo</code>	plus sign with subscript two
U+02A28												<code>\plustrif</code>	plus sign with black triangle
U+02A29												<code>\commaminus</code>	minus sign with comma above
U+02A2A												<code>\minusdot</code>	minus sign with dot below
U+02A2B												<code>\minusfdots</code>	minus sign with falling dots
U+02A2C												<code>\minusrdots</code>	minus sign with rising dots
U+02A2D												<code>\opluslhrim</code>	plus sign in left half circle
U+02A2E												<code>\oplusrhrim</code>	plus sign in right half circle
U+02A2F												<code>\vectimes</code>	vector or cross product
U+02A30												<code>\dottimes</code>	multiplication sign with dot above
U+02A31												<code>\timesbar</code>	multiplication sign with underbar
U+02A32												<code>\btimes</code>	semidirect product with bottom closed
U+02A33												<code>\smashtimes</code>	smash product
U+02A34												<code>\otimeslhrim</code>	multiplication sign in left half circle
U+02A35												<code>\otimesrhrim</code>	multiplication sign in right half circle
U+02A36												<code>\otimeshat</code>	circled multiplication sign with circumflex accent
U+02A37												<code>\Otimes</code>	multiplication sign in double circle
U+02A38												<code>\odiv</code>	circled division sign
U+02A39												<code>\triangleplus</code>	plus sign in triangle
U+02A3A												<code>\triangleminus</code>	minus sign in triangle
U+02A3B												<code>\triangletimes</code>	multiplication sign in triangle
U+02A3C												<code>\intprod</code>	interior product
U+02A3D												<code>\intprodr</code>	righthand interior product
U+02A3E												<code>\fcmp</code>	z notation relational composition

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A3F												$\backslash\mathrm{amalg}^{(p)}$	amalgamation or coproduct
U+02A40												$\backslash\mathrm{capdot}$	intersection with dot
U+02A41												$\backslash\mathrm{uminus}$	union with minus sign
U+02A42												$\backslash\mathrm{barcup}$	union with overbar
U+02A43												$\backslash\mathrm{barcap}$	intersection with overbar
U+02A44												$\backslash\mathrm{capwedge}$	intersection with logical and
U+02A45												$\backslash\mathrm{cupvee}$	union with logical or
U+02A46												$\backslash\mathrm{cupovercap}$	union above intersection
U+02A47												$\backslash\mathrm{capovercup}$	intersection above union
U+02A48												$\backslash\mathrm{cupbarcap}$	union above bar above intersection
U+02A49												$\backslash\mathrm{capbarcup}$	intersection above bar above union
U+02A4A												$\backslash\mathrm{twocups}$	union beside and joined with union
U+02A4B												$\backslash\mathrm{twocaps}$	intersection beside and joined with intersection
U+02A4C												$\backslash\mathrm{closedvarcup}$	closed union with serifs
U+02A4D												$\backslash\mathrm{closedvarcap}$	closed intersection with serifs
U+02A4E												$\backslash\mathrm{Sqcap}$	double square intersection
U+02A4F												$\backslash\mathrm{Sqcup}$	double square union
U+02A50												$\backslash\mathrm{closedvarcupsmashprod}$	closed union with serifs and smash product
U+02A51												$\backslash\mathrm{wedgeodot}$	logical and with dot above
U+02A52												$\backslash\mathrm{veeodot}$	logical or with dot above
U+02A53												$\backslash\mathrm{Wedge}$	double logical and
U+02A54												$\backslash\mathrm{Vee}$	double logical or
U+02A55												$\backslash\mathrm{wedgeonwedge}$	two intersecting logical and
U+02A56												$\backslash\mathrm{veeonvee}$	two intersecting logical or
U+02A57												$\backslash\mathrm{bigslopedvee}$	sloping large or
U+02A58												$\backslash\mathrm{bigslopedwedge}$	sloping large and
U+02A5A												$\backslash\mathrm{wedgemidvert}$	logical and with middle stem
U+02A5B												$\backslash\mathrm{veemidvert}$	logical or with middle stem
U+02A5C												$\backslash\mathrm{midbarwedge}$	logical and with horizontal dash
U+02A5D												$\backslash\mathrm{midbarvee}$	logical or with horizontal dash
U+02A5E												$\backslash\mathrm{doublebarwedge}^{(a)}$	logical and with double overbar
U+02A5F												$\backslash\mathrm{wedgebar}$	logical and with underbar
U+02A60												$\backslash\mathrm{wedgedoublebar}$	logical and with double underbar
U+02A61												$\backslash\mathrm{varveebar}$	small vee with underbar
U+02A62												$\backslash\mathrm{doublebarvee}$	logical or with double overbar
U+02A63												$\backslash\mathrm{veedoublebar}$	logical or with double underbar
U+02A64												$\backslash\mathrm{dsub}$	z notation domain antirestriction
U+02A65												$\backslash\mathrm{rsub}$	z notation range antirestriction
U+02A71												$\backslash\mathrm{eqqplus}$	equals sign above plus sign
U+02A72												$\backslash\mathrm{pluseqq}$	plus sign above equals sign
U+02AF4												$\backslash\mathrm{interleave}$	triple vertical bar binary relation
U+02AF5												$\backslash\mathrm{nhVvert}$	triple vertical bar with horizontal stroke
U+02AF6												$\backslash\mathrm{threedotcolon}$	triple colon operator
U+02AFB												$\backslash\mathrm{trslash}$	triple solidus binary relation

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02AFD	//		//				//	//				\slash	double solidus operator
U+02AFE	|		|				|	|				\talloblong	white vertical bar

11 Ordinary symbols, \mathord

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+00023	#	#	#	#	#	#	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	%	%	%	%	%	%	\mathpercent	percent sign
U+00026	&	&	&	&	&	&	&	&	&	&	&	\mathampersand	ampersand
U+00027	'	'	'	'	'	'	'	'	'	'	'	\mathapostrophe	apostrophe
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	Z	Z	\Zbar	impedance (latin capital letter z with stroke)
U+003F6		ε	ε			ε	ε	ε	ε	ε	ε	\upbackepsilon	greek reversed lunate epsilon symbol
U+02015	—	—	—	—	—	—	—	—	—	—	—	\horizbar	horizontal bar
U+02017	=	=	=	=	=		=	=	=	=		\twolowline	double low line (spacing)
U+02025		..	..				..	..		..		\enleadertwodots	double baseline dot (en leader)
U+02026	...	...	...	...	...	...	...	...	...	...	...	\unicodeellipsis	ellipsis (horizontal)
U+02032	'	'	'	'	'	'	'	'	'	'	'	\prime ^(p)	prime or minute, not superscripted
U+02033	''	''	''	''	''	''	''	''	''	''	''	\dprime	double prime or second, not superscripted
U+02034	'''	'''	'''	'''	'''	'''	'''	'''	'''	'''	'''	\trprime	triple prime (not superscripted)
U+02035	\	\	\	\	\	\	\	\	\	\	\	\backprime ^(a)	reverse prime, not superscripted
U+02036	''	''	''	''	''	''	''	''	''	''	''	\backdprime	double reverse prime, not superscripted
U+02037	'''	'''	'''	'''	'''	'''	'''	'''	'''	'''	'''	\backtrprime	triple reverse prime, not superscripted
U+02038		^	^				^					\caretinsert	caret (insertion mark)
U+0203C		!!	!!				!!	!				\Exclam	double exclamation mark
U+02043		■	■				■					\hyphenbullet	rectangle, filled (hyphen bullet)
U+02047		??	??				??					\Question	double question mark
U+02057	''''	''''	''''	''''	''''	''''	''''	''''	''''	''''	''''	\qprime	quadruple prime, not superscripted
U+020AC	€	€	€	€	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	◯	◯	◯	◯	◯		◯	◯	◯	◯	◯	\enclosecircle	combining enclosing circle
U+020DE	◻	◻	◻	◻	◻		◻	◻	◻	◻	◻	\enclosesquare	combining enclosing square
U+020DF	◊	◊	◊	◊	◊		◊	◊	◊	◊	◊	\enclosediamond	combining enclosing diamond
U+020E4	△	△	△	△	△		△	△	△	△	△	\enclosetriangle	combining enclosing upward pointing triangle
U+02107	ℰ	ℰ	ℰ	ℰ	ℰ		ℰ	ℰ	ℰ	ℰ	ℰ	\Eulerconst	euler constant
U+0210E	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	ℏ	\Planckconst	planck constant
U+02127	℧	℧	℧	℧	℧	℧	℧	℧	℧	℧	℧	\mho	conductance

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02132		𐌲	𐌳				𐌴	𐌵	𐌶	𐌷	𐌸	\Finv ^(a)	turned capital f
U+0213C	𐌺	𐌻	𐌼	𐌽	𐌾		𐌿		𐍀			\Bbbpi	double-struck small pi
U+02141		𐍁	𐍂				𐍃	𐍄	𐍅	𐍆	𐍇	\Game ^(a)	turned sans-serif capital g
U+02142		𐍈	𐍉				𐍊					\sansLturned	turned sans-serif capital l
U+02143		𐍋	𐍌				𐍍					\sansLmirrored	reversed sans-serif capital l
U+02144		𐍎	𐍏				𐍐					\Yup	turned sans-serif capital y
U+02145	𐍑	𐍒	𐍓	𐍔	𐍕		𐍖		𐍗			\mitBbbD	double-struck italic capital d
U+02146	𐍘	𐍙	𐍚	𐍛	𐍜		𐍝		𐍞			\mitBbbd	double-struck italic small d
U+02147	𐍟	𐍠	𐍡	𐍢	𐍣		𐍤		𐍥			\mitBbbe	double-struck italic small e
U+02148	𐍦	𐍧	𐍨	𐍩	𐍪		𐍫		𐍬			\mitBbbi	double-struck italic small i
U+02149	𐍭	𐍮	𐍯	𐍰	𐍱		𐍲		𐍳			\mitBbbj	double-struck italic small j
U+0214A		𐍴	𐍵				𐍶					\PropertyLine	property line
U+021A8		↕	↕			↕↕	↕↕	↕				\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	↘	↘	↘	↘	↘	↘	↘	↘	↘			\linefeed	rightwards arrow with corner downwards
U+021B5	↙	↙	↙	↙	↙	↙	↙	↙	↙			\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8	↖	↖				↖	↖	↖				\barovernorthwestarrow	north west arrow to long bar
U+021B9	↗	↗				↗	↗	↗				\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	\cwopencirclearrow	clockwise open circle arrow
U+021DE		↕	↕			↕	↕	↕				\nHuparrow	upwards arrow with double stroke
U+021DF		↕	↕			↕	↕	↕				\nHdownarrow	downwards arrow with double stroke
U+021E0	↔	↔				↔	↔	↔	↔	↔	↔	\leftdasharrow	leftwards dashed arrow
U+021E1	↗	↗				↗	↗	↗	↗	↗	↗	\updasharrow	upwards dashed arrow
U+021E2	↘	↘				↘	↘	↘	↘	↘	↘	\rightdasharrow	rightwards dashed arrow
U+021E3	↙	↙				↙	↙	↙	↙	↙	↙	\downdasharrow	downwards dashed arrow
U+021E6	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	\leftwhitearrow	leftwards white arrow
U+021E7	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	\upwhitearrow	upwards white arrow
U+021E8	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	\rightwhitearrow	rightwards white arrow
U+021E9	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	\downwhitearrow	downwards white arrow
U+021EA		↗	↗			↗	↗	↗				\whitearrowupfrombar	upwards white arrow from bar
U+02200	∀	∀	∀	∀	∀	∀	∀	∀	∀	∀	∀	\forall ^(p)	for all
U+02201	∁	∁	∁	∁	∁	∁	∁	∁	∁	∁	∁	\complement ^(a)	complement sign
U+02203	∃	∃	∃	∃	∃	∃	∃	∃	∃	∃	∃	\exists ^(p)	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	∄	∄	∄	∄	\nexists ^(a)	negated exists
U+02205	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	\varnothing ^(a)	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\increment	laplacian (delta; nabla^2)
U+0220E	■	■	■	■	■	■	■	■	■	■	■	\QED	end of proof
U+0221A	√	√	√	√	√	√	√	√	√	√	√	\surd ^(p)	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	\infty ^(p)	infinity
U+0221F	⊥	⊥	⊥	⊥	⊥	⊥	⊥	⊥	⊥	⊥	⊥	\rightangle	right (90 degree) angle
U+02220	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\angle ^(p)	angle
U+02221	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\measuredangle ^(a)	angle-measured
U+02222	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	∠	\sphericalangle ^(a)	angle-spherical
U+02234	∴	∴	∴	∴	∴	∴	∴	∴	∴	∴	∴	\therefore ^(a)	therefore
U+02235	∵	∵	∵	∵	∵	∵	∵	∵	∵	∵	∵	\because ^(a)	because

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0223F	~	~	~	~	~		~	~	~	~	~	\sinewave	sine wave
U+022A4	T	T	T	T	T		T	T	T	T	T	\top ^(p)	top
U+022A5	⏟	⏟	⏟	⏟	⏟		⏟	⏟	⏟	⏟	⏟	\bot ^(p)	bottom
U+022B9	+	+	+	+	+		+	+	+	+	+	\hermitmatrix	hermitian conjugate matrix
U+022BE	⊞	⊞	⊞	⊞	⊞		⊞	⊞	⊞	⊞	⊞	\measuredrightangle	right angle-measured [with arc]
U+022BF	⊲	⊲	⊲	⊲	⊲		⊲	⊲	⊲	⊲	⊲	\varlrtriangle	right triangle
U+022EF	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\unicodeddots	three dots, centered
U+02300	⌀	⌀	⌀	⌀	⌀		⌀	⌀	⌀	⌀	⌀	\diameter	diameter sign
U+02302		⏞	⏞			⏞	⏞					\house	house
U+02310	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬	¬	\invnot	reverse not
U+02311		◻	◻				◻					\sqlozenge	square lozenge
U+02312		⌒	⌒				⌒					\profline	profile of a line
U+02313		⌒	⌒				⌒					\profsurf	profile of a surface
U+02317		⏶	⏶				⏶					\viewdata	viewdata square
U+02319	⌞	⌞	⌞	⌞	⌞		⌞	⌞	⌞	⌞	⌞	\turnednot	turned not sign
U+02320	∫	∫	∫	∫	∫		∫	∫	∫	∫	∫	\inttop	top half integral
U+02321	∫	∫	∫	∫	∫		∫	∫	∫	∫	∫	\intbottom	bottom half integral
U+0232C		⬠	⬠				⬠					\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		⤴	⤴				⤴					\conictaper	conical taper
U+02336		⌈	⌈				⌈					\topbot	top and bottom
U+02340		⌘	⌘				⌘					\APLnotbackslash	apl functional symbol backslash bar
U+02353		⏊	⏊				⏊					\APLboxupcaret	boxed up caret
U+02370		⏊	⏊				⏊					\APLboxquestion	boxed question mark
U+0237C		⤵	⤵				⤵					\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394		⬡	⬡				⬡					\hexagon	horizontal benzene ring [hexagon flat open]
U+0239B	(	(	(	(	(	(	(	(	(	(	(	\lparenuend	left parenthesis upper hook
U+0239C	(	(	(	(	(	(	(	(	(	(	(	\lparenextender	left parenthesis extension
U+0239D	(	(	(	(	(	(	(	(	(	(	(	\lparenlend	left parenthesis lower hook
U+0239E	)	)	)	)	)	)	)	)	)	)	)	\rparenuend	right parenthesis upper hook
U+0239F	)	)	)	)	)	)	)	)	)	)	)	\rparenextender	right parenthesis extension
U+023A0	)	)	)	)	)	)	)	)	)	)	)	\rparenlend	right parenthesis lower hook
U+023A1	[	[	[	[	[	[	[	[	[	[	[	\lbrackuend	left square bracket upper corner
U+023A2	[	[	[	[	[	[	[	[	[	[	[	\lbrackextender	left square bracket extension

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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)
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+024C7												<code>\circledR^(a)</code>	CIRCLED LATIN CAPITAL LETTER R
U+024C8												<code>\circledS^(a)</code>	capital S in circle
U+024D4												<code>\circlede</code>	CIRCLED LATIN SMALL LETTER E

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02422	◌̣		◌̤	◌̥	◌̦		◌̧	◌̨	◌̩	◌̪	◌̫	\blanksymbol	blank symbol
U+02423	◌̬		◌̭	◌̮	◌̯		◌̰	◌̱	◌̲	◌̳	◌̴	\mathvisiblespace	open box
U+02506		⋮	⋮				⋮					\bdtriplevdash	doubly broken vert
U+02580		▒	▒			▒	▒					\blockuphalf	upper half block
U+02584		▓	▓			▓	▓					\blocklowhalf	lower half block
U+02588	■	■	■	■	■	■	■	■				\blockfull	full block
U+0258C	◻	◻	◻			◻	◻					\blocklefthalf	left half block
U+02590		◻	◻			◻	◻					\blockrighthalf	right half block
U+02591	░	░	░	░	░	░	░	░	░	░	░	\blockqtrshaded	25% shaded block
U+02592	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	\blockhalfshaded	50% shaded block
U+02593	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	\blockthreeqtrshaded	75% shaded block
U+025A0	■	■	■	■	■	■	■	■	■	■	■	\mdlgblksquare	square, filled
U+025A1	◻	◻	◻	◻	◻	◻	◻	◻	◻	◻	◻	\mdlgwhtsquare	square, open
U+025A2		◻	◻			◻	◻					\squoval	white square with rounded corners
U+025A3		◻	◻			◻	◻					\blackinwhitesquare	white square containing black small square
U+025A4	▤	▤	▤			▤	▤					\squarehfill	square, horizontal rule filled
U+025A5	▥	▥	▥			▥	▥					\squarevfill	square, vertical rule filled
U+025A6	▦	▦	▦			▦	▦					\squarehvfill	square with orthogonal crosshatch fill
U+025A7	▧	▧	▧			▧	▧					\squarenwsefill	square, nw-to-se rule filled
U+025A8	▨	▨	▨			▨	▨					\squareneswfill	square, ne-to-sw rule filled
U+025A9	▩	▩	▩			▩	▩					\squarecrossfill	square with diagonal crosshatch fill
U+025AA	▪	■	■	■	■	■	■	■	■	■	■	\smbllksquare	/blacksquare - sq bullet, filled
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
U+025C4	◀	◀	◀			◀	◀					\blackpointerleft	black left-pointing pointer
U+025C5	◁	◁	◁			◁	◁					\whitepointerleft	white left-pointing pointer
U+025C6	◆	◆	◆			◆	◆			◆	◆	\mdlgblkdiamond	black diamond

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+025C7												\mdlgwhtdiamond	white diamond; diamond, open
U+025C8												\blackinwhitediamond	white diamond containing black small diamond
U+025C9												\fisheye	fish-eye
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												\mdlgbkcircle	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
U+025D9												\inversewhitecircle	inverse white circle
U+025DA												\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB												\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC												\ularc	upper left quadrant circular arc
U+025DD												\urarc	upper right quadrant circular arc
U+025DE												\lrarc	lower right quadrant circular arc
U+025DF												\llarc	lower left quadrant circular arc
U+025E0												\topsemicircle	upper half circle
U+025E1												\botsemicircle	lower half circle
U+025E2												\lrblacktriangle	lower right triangle, filled
U+025E3												\llblacktriangle	lower left triangle, filled
U+025E4												\ulblacktriangle	upper left triangle, filled
U+025E5												\urblacktriangle	upper right triangle, filled
U+025E6												\smwhtcircle	white bullet
U+025E7												\squareleftblack	square, filled left half
U+025E8												\squarerightblack	square, filled right half
U+025E9												\squareulblack	square, filled top left corner
U+025EA												\squarelrblack	square, filled bottom right corner
U+025EC												\trianglecdot	triangle with centered dot
U+025ED												\triangleleftblack	up-pointing triangle with left half black
U+025EE												\trianglerightblack	up-pointing triangle with right half black
U+025EF												\lgwhtcircle	large circle
U+025F0												\squareulquad	white square with upper left quadrant
U+025F1												\squarellquad	white square with lower left quadrant
U+025F2												\squarelrquad	white square with lower right quadrant

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+025F3												\squareurquad	white square with upper right quadrant
U+025F4												\circleulquad	white circle with upper left quadrant
U+025F5												\circlellquad	white circle with lower left quadrant
U+025F6												\circlelrquad	white circle with lower right quadrant
U+025F7												\circleurquad	white circle with upper right quadrant
U+025F8												\ultriangle	upper left triangle
U+025F9												\urtriangle	upper right triangle
U+025FA												\lltriangle	lower left triangle
U+025FB												\mdwhtsquare	white medium square
U+025FC												\mdblksquare	black medium square
U+025FD												\mdsmwhtsquare	white medium small square
U+025FE												\mdsmbblksquare	black medium small square
U+025FF												\lrtriangle	lower right triangle
U+02605												\bigstar ^(a)	star, filled
U+02606												\bigwhitestar	star, open
U+02609												\astrosun	sun
U+02621												\danger	dangerous bend (caution sign)
U+0263B												\blacksmiley	black smiling face
U+0263C												\sun	white sun with rays
U+0263D												\rightmoon	first quarter moon
U+0263E												\leftmoon	last quarter moon
U+02640												\female	venus, female
U+02642												\male	mars, male
U+02660												\spadesuit ^(p)	spades suit symbol
U+02661												\heartsuit ^(p)	heart suit symbol
U+02662												\diamondsuit ^(p)	diamond suit symbol
U+02663												\clubsuit ^(p)	club suit symbol
U+02664												\varspadesuit	spade, white (card suit)
U+02665												\varheartsuit	filled heart (card suit)
U+02666												\vardiamondsuit	filled diamond (card suit)
U+02667												\varclubsuit	club, white (card suit)
U+02669												\quaternote	music note (sung text sign)
U+0266A												\eighthnote	eighth note
U+0266B												\twonotes	beamed eighth notes
U+0266D												\flat ^(p)	musical flat
U+0266E												\natural ^(p)	music natural
U+0266F												\sharp ^(p)	musical sharp
U+0267E												\acidfree	permanent paper sign
U+02680												\dicei	die face-1
U+02681												\diceii	die face-2
U+02682												\diceiii	die face-3
U+02683												\diceiv	die face-4
U+02684												\dicev	die face-5
U+02685												\dicevi	die face-6
U+02686												\circledrightdot	white circle with dot right
U+02687												\circledtwodots	white circle with two dots
U+02688												\blackcircledrightdot	black circle with white dot right

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02689		♂	♀				♂					\blackcircledtwodots	black circle with two white dots
U+026A5		♂	♀				♂					\Hermaphrodite	male and female sign
U+026AA		○	○			○	○	○	○	○	○	\mdwhtcircle	medium white circle
U+026AB		●	●			●	●	●	●	●	●	\mdblkcircle	medium black circle
U+026AC		◦	◦			◦	◦	◦	◦	◦	◦	\mdsmwhtcircle	medium small white circle
U+026B2		♀	♀				♀					\neuter	neuter
U+02713	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	\checkmark	tick, check mark
U+02720	✠	✠	✠	✠	✠		✠	✠	✠	✠	✠	\maltese	maltese cross
U+0272A	☆	☆					☆					\circledstar	circled white star
U+02736	✳	✳					✳					\varstar	six pointed black star
U+0273D	✳	✳					✳					\dingasterisk	heavy teardrop-spoked asterisk
U+0279B	➔	➔					➔					\draftingarrow	right arrow with bold head (drafting)
U+027C0	∟	∟					∟	∟				\threeangle	three dimensional angle
U+027C1	△	△					△	△				\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3	⊆	⊆					⊆	⊆				\subsetcirc	open subset
U+027C4	⊇	⊇					⊇	⊇				\supsetcirc	open superset
U+027CB	/	/					/	/	/	/	/	\diagup ^(a)	mathematical rising diagonal
U+027CD	\	\					\	\	\	\	\	\diagdown ^(a)	mathematical falling diagonal
U+027D0	◊	◊					◊	◊				\diamondcdot	white diamond with centred dot
U+0292B	✕	✕					✕	✕				\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0292C	✕	✕					✕	✕				\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D	↗	↗					↗	↗				\seovnearrow	south east arrow crossing north east arrow
U+0292E	↗	↗					↗	↗				\neovsearrow	north east arrow crossing south east arrow
U+0292F	↗	↗					↗	↗				\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930	↗	↗					↗	↗				\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931	↗	↗					↗	↗				\neovnwarrow	north east arrow crossing north west arrow
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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+029A4		\angle	\angle				\angle	\angle				<code>\angleuubar</code>	angle with underbar
U+029A5		\rangle	\rangle				\rangle	\rangle				<code>\revangleuubar</code>	reversed angle with underbar
U+029A6		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\wideangledown</code>	oblique angle opening up
U+029A7		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\wideangleup</code>	oblique angle opening down
U+029A8		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measanglerutone</code>	measured angle with open arm ending in arrow pointing up and right
U+029A9		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measanglelutow</code>	measured angle with open arm ending in arrow pointing up and left
U+029AA		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measanglerdtose</code>	measured angle with open arm ending in arrow pointing down and right
U+029AB		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measangleldtosw</code>	measured angle with open arm ending in arrow pointing down and left
U+029AC		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measangleurtone</code>	measured angle with open arm ending in arrow pointing right and up
U+029AD		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measangleultow</code>	measured angle with open arm ending in arrow pointing left and up
U+029AE		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measangledrtose</code>	measured angle with open arm ending in arrow pointing right and down
U+029AF		\sphericalangle	\sphericalangle			\sphericalangle	\sphericalangle	\sphericalangle				<code>\measangledltosw</code>	measured angle with open arm ending in arrow pointing left and down
U+029B0		\emptyset	\emptyset			\emptyset	\emptyset	\emptyset				<code>\reemptyset</code>	reversed empty set
U+029B1		\emptyset	\emptyset			\emptyset	\emptyset	\emptyset				<code>\emptysettoobar</code>	empty set with overbar
U+029B2		\emptyset	\emptyset			\emptyset	\emptyset	\emptyset				<code>\emptysettocirc</code>	empty set with small circle above
U+029B3		\emptyset	\emptyset			\emptyset	\emptyset	\emptyset				<code>\emptysettoarr</code>	empty set with right arrow above
U+029B4		\emptyset	\emptyset			\emptyset	\emptyset	\emptyset				<code>\emptysettoarrl</code>	empty set with left arrow above
U+029BA		\oslash	\oslash			\oslash	\oslash	\oslash				<code>\obot</code>	circle divided by horizontal bar and top half divided by vertical bar
U+029BB		\otimes	\otimes			\otimes	\otimes	\otimes				<code>\olcross</code>	circle with superimposed x
U+029BC		\oslash	\oslash			\oslash	\oslash	\oslash				<code>\odotlashdot</code>	circled anticlockwise-rotated division sign
U+029BD		\uparrow	\uparrow			\uparrow	\uparrow	\uparrow				<code>\uparrowwocircle</code>	up arrow through circle
U+029BE		\odot	\odot			\odot	\odot	\odot				<code>\circledwhitebullet</code>	circled white bullet
U+029BF		\odot	\odot			\odot	\odot	\odot				<code>\circledbullet</code>	circled bullet
U+029C2		\circ	\circ			\circ	\circ	\circ				<code>\cirscir</code>	circle with small circle to the right
U+029C3		\circ	\circ			\circ	\circ	\circ				<code>\cirE</code>	circle with two horizontal strokes to the right
U+029C9		\boxplus	\boxplus			\boxplus	\boxplus	\boxplus				<code>\boxonbox</code>	two joined squares
U+029CA		\triangle	\triangle			\triangle	\triangle	\triangle				<code>\triangleodot</code>	triangle with dot above
U+029CB		\triangle	\triangle			\triangle	\triangle	\triangle				<code>\triangleuubar</code>	triangle with underbar
U+029CC		\triangle	\triangle			\triangle	\triangle	\triangle				<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		\square	\square			\square	\square	\square				<code>\laplac</code>	square with contoured outline
U+029E7		\mp	\mp			\mp	\mp	\mp				<code>\thermod</code>	thermodynamic

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\blackdiamondddownarrow</code>	black diamond with down arrow
U+029EC												<code>\circledownarrow</code>	white circle with down arrow
U+029ED												<code>\blackcircledownarrow</code>	black circle with down arrow
U+029EE												<code>\errbarsquare</code>	error-barred white square
U+029EF												<code>\errbarblacksquare</code>	error-barred black square
U+029FO												<code>\errbardiamond</code>	error-barred white diamond
U+029F1												<code>\errbarblackdiamond</code>	error-barred black diamond
U+029F2												<code>\errbarcircle</code>	error-barred white circle
U+029F3												<code>\errbarblackcircle</code>	error-barred black circle
U+02AE1												<code>\perps</code>	perpendicular with s
U+02AF1												<code>\topcir</code>	down tack with circle below
U+02B12												<code>\squaretopblack</code>	square with top half black
U+02B13												<code>\squarebotblack</code>	square with bottom half black
U+02B14												<code>\squareurblack</code>	square with upper right diagonal half black
U+02B15												<code>\squarellblack</code>	square with lower left diagonal half black
U+02B16												<code>\diamondleftblack</code>	diamond with left half black
U+02B17												<code>\diamondrightblack</code>	diamond with right half black
U+02B18												<code>\diamondtopblack</code>	diamond with top half black
U+02B19												<code>\diamondbotblack</code>	diamond with bottom half black
U+02B1A												<code>\dottedsquare</code>	dotted square
U+02B1B												<code>\lgblksquare</code>	black large square
U+02B1C												<code>\lgwhtsquare</code>	white large square
U+02B1D												<code>\vysmblksquare</code>	black very small square
U+02B1E												<code>\vysmwhtsquare</code>	white very small square
U+02B1F												<code>\pentagonblack</code>	black pentagon
U+02B20												<code>\pentagon</code>	white pentagon
U+02B21												<code>\varhexagon</code>	white hexagon
U+02B22												<code>\varhexagonblack</code>	black hexagon
U+02B23												<code>\hexagonblack</code>	horizontal black hexagon
U+02B24												<code>\lgblkcicle</code>	black large circle
U+02B25												<code>\mdblkdiamond</code>	black medium diamond
U+02B26												<code>\mdwhtdiamond</code>	white medium diamond
U+02B27												<code>\mdblklozenge</code>	black medium lozenge
U+02B28												<code>\mdwhtlozenge</code>	white medium lozenge
U+02B29												<code>\smbldiamond</code>	black small diamond
U+02B2A												<code>\smbklozenge</code>	black small lozenge
U+02B2B												<code>\smwhtlozenge</code>	white small lozenge
U+02B2C												<code>\blkhorzoval</code>	black horizontal ellipse
U+02B2D												<code>\whthorzoval</code>	white horizontal ellipse
U+02B2E												<code>\blkvertoval</code>	black vertical ellipse
U+02B2F												<code>\whtvertoval</code>	white vertical ellipse
U+02B50												<code>\medwhitestar</code>	white medium star
U+02B51												<code>\medblackstar</code>	black medium star
U+02B52												<code>\smwhitestar</code>	white small star
U+02B53												<code>\rightpentagonblack</code>	black right-pointing pentagon

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02B54												\rightpentagon	white right-pointing pentagon
U+03012												\postalmark	postal mark
U+03030												\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit 0
U+1D7CF	1	1	1	1	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
U+1D7D6	8	8	8	8	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0		0		0	0	0	\Bbbzero	mathematical double-struck digit 0
U+1D7D9	1	1	1	1	1		1		1	1	1	\Bbbone	mathematical double-struck digit 1
U+1D7DA	2	2	2	2	2		2		2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3		3		3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4		4		4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5		5		5	5	5	\Bbbfive	mathematical double-struck digit 5
U+1D7DE	6	6	6	6	6		6		6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7		7		7	7	7	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8		8		8	8	8	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9		9		9	9	9	\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0		0		0	0	0	\msanszero	mathematical sans-serif digit 0
U+1D7E3	1	1	1	1	1		1		1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2		2		2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3		3		3	3	3	\msanstthree	mathematical sans-serif digit 3
U+1D7E6	4	4	4	4	4		4		4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5		5		5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6		6		6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7		7		7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8		8		8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9		9		9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0		0		0	0	0	\mbfsanszero	mathematical sans-serif bold digit 0
U+1D7ED	1	1	1	1	1		1		1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2		2		2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3		3		3	3	3	\mbfsanstthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4		4		4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5		5		5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5

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

12 Relation symbols, \mathrel

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0003C	<	<	<	<	<	<	<	<	<	<	<	\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
U+0219F	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	\twoheaduparrow	up two-headed arrow
U+021A0	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	\twoheadrightarrow ^(a)	right two-headed arrow
U+021A1	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	\twoheaddownarrow	down two-headed arrow
U+021A2	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\leftarrowtail ^(a)	left arrow-tailed
U+021A3	↰	↰	↰	↰	↰	↰	↰	↰	↰	↰	↰	\rightarrowtail ^(a)	right arrow-tailed
U+021A4	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\mapsfrom	maps to, leftward
U+021A5	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\mapsup	maps to, upward
U+021A6	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\mapsto ^(p)	maps to, rightward
U+021A7	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\mapsdown	maps to, downward
U+021A9	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\hookleftarrow ^(p)	left arrow-hooked
U+021AA	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\hookrightarrow ^(p)	right arrow-hooked
U+021AB	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\looparrowleft ^(a)	left arrow-looped
U+021AC	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\looparrowright ^(a)	right arrow-looped
U+021AD	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\leftrightsquigarrow ^(a)	left and right arr-wavy
U+021AE	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\nleftrightarrow ^(a)	not left and right arrow
U+021AF		↯	↯			↯	↯	↯				\downziggagarrow	downwards zigzag arrow
U+021B0	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	\Lsh ^(a)	/lsh a:
U+021B1	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	\Rsh ^(a)	/rsh a:
U+021B2	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	\Ldsh	left down angled arrow
U+021B3	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	\Rdsh	right down angled arrow
U+021B6	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	\curvearrowleft ^(a)	left curved arrow
U+021B7	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	\curvearrowright ^(a)	right curved arrow
U+021BC	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\leftharpoonup ^(p)	left harpoon-up
U+021BD	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\leftharpoondown ^(p)	left harpoon-down
U+021BE	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\upharpoonright ^(a)	/upharpoonright /restriction a: up harpoon-right
U+021BF	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	↯	\upharpoonleft ^(a)	up harpoon-left

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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>\leftrightharrows^(a)</code>	left arrow over right arrow
U+021C7	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\leftleftarrows^(a)</code>	two left arrows
U+021C8	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	<code>\upuparrows^(a)</code>	two up arrows
U+021C9	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\rightrightarrows^(a)</code>	two right arrows
U+021CA	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	<code>\downdownarrows^(a)</code>	two down arrows
U+021CB	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightharpoons^(a)</code>	left harpoon over right
U+021CC	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\rightleftharpoons^(l)</code>	right harpoon over left
U+021CD	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\nLeftarrow^(a)</code>	not implied by
U+021CE	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\nLefttrightarrow^(a)</code>	not left and right double arrows
U+021CF	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\nRightarrow^(a)</code>	not implies
U+021D0	←	←	←	←	←	←	←	←	←	←	←	<code>\Leftarrow^(p)</code>	is implied by
U+021D1	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	<code>\Uparrow^(p)</code>	up double arrow
U+021D2	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Rightarrow^(p)</code>	implies
U+021D3	⇓	⇓	⇓	⇓	⇓	⇓	⇓	⇓	⇓	⇓	⇓	<code>\Downarrow^(p)</code>	down double arrow
U+021D4	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\Leftrightarrow^(p)</code>	left and right double arrow
U+021D5	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	<code>\Updownarrow^(p)</code>	up and down double arrow
U+021D6	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	<code>\Nwarrow</code>	nw pointing double arrow
U+021D7	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	↗	<code>\Nearrow</code>	ne pointing double arrow
U+021D8	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘	<code>\Searrow</code>	se pointing double arrow
U+021D9	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	<code>\Swarrow</code>	sw pointing double arrow
U+021DA	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Lleftarrow^(a)</code>	left triple arrow
U+021DB	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Rrightarrow^(a)</code>	right triple arrow
U+021DC	↩	↩	↩	↩	↩	↩	↩	↩	↩	↩	↩	<code>\leftsquigarrow</code>	leftwards squiggle arrow
U+021DD	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	<code>\rightsquigarrow^(a)</code>	rightwards squiggle arrow
U+021E4	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	<code>\barleftarrow</code>	leftwards arrow to bar
U+021E5	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	↪	<code>\rightarrowbar</code>	rightwards arrow to bar
U+021F4	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻	<code>\circlearrowright</code>	right arrow with small circle
U+021F5	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	↕	<code>\downuparrows</code>	downwards arrow leftwards of upwards arrow
U+021F6	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\rightthreetarrows</code>	three rightwards arrows
U+021F7	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\nleftarrow</code>	leftwards arrow with vertical stroke
U+021F8	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\nrightarrow</code>	rightwards arrow with vertical stroke
U+021F9	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\nleftrightarrow</code>	left right arrow with vertical stroke
U+021FA	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Nleftarrow</code>	leftwards arrow with double vertical stroke
U+021FB	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	⇒	<code>\Nrightarrow</code>	rightwards arrow with double vertical stroke
U+021FC	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	⇐	<code>\Nleftrightarrow</code>	left right arrow with double vertical stroke
U+021FD	↩	↩	↩	↩	↩	↩	↩	↩	↩	↩	↩	<code>\leftarrowtriangle</code>	leftwards open-headed arrow
U+021FE	→	→	→	→	→	→	→	→	→	→	→	<code>\rightarrowtriangle</code>	rightwards open-headed arrow
U+021FF	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	<code>\leftrightarrowtriangle</code>	left right open-headed arrow
U+02208	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	∈	<code>\in^(p)</code>	set membership, variant

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02209	Ⅎ	ℳ	ℴ	ℵ	ℶ	ℷ	ℸ	ℹ	℺	℻	ℼ	\backslash notin ^(l)	negated set membership
U+0220A	ℽ	ℾ	ℿ	⋈	⋉	⋊	⋋	⋌	⋍	⋎	⋏	\backslash smallin	set membership (small set membership)
U+0220B	⋐	⋑	⋒	⋓	⋔	⋕	⋖	⋗	⋘	⋙	⋚	\backslash ni ^(p)	contains, variant
U+0220C	⋛	⋜	⋝	⋞	⋟	⋠	⋡	⋢	⋣	⋤	⋥	\backslash nni	negated contains, variant
U+0220D	⋦	⋧	⋨	⋩	⋪	⋫	⋬	⋭	⋮	⋯	⋰	\backslash smallni	/ni /owns r: contains (small contains as member)
U+0221D	∝	∝	∝	∝	∝	∝	∝	∝	∝	∝	∝	\backslash propto ^(p)	is proportional to
U+02223	∣	∣	∣	∣	∣	∣	∣	∣	∣	∣	∣	\backslash mid ^(p)	/mid r:
U+02224	⧵	⧵	⧵	⧵	⧵	⧵	⧵	⧵	⧵	⧵	⧵	\backslash nmid ^(a)	negated mid
U+02225	∥	∥	∥	∥	∥	∥	∥	∥	∥	∥	∥	\backslash parallel ^(p)	parallel
U+02226	⧻	⧻	⧻	⧻	⧻	⧻	⧻	⧻	⧻	⧻	⧻	\backslash nparallel ^(a)	not parallel
U+02236	:	:	:	:	:	:	:	:	:	:	:	\backslash mathratio	ratio
U+02237	::	::	::	::	::	::	::	::	::	::	::	\backslash Colon	two colons
U+02239	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\backslash dashcolon	excess (-:)
U+0223A	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	⋯	\backslash dotsminusdots	minus with four dots, geometric properties
U+0223B	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash kernelcontraction	homothetic
U+0223C	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash sim ^(p)	similar
U+0223D	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	↷	\backslash backsim ^(a)	reverse similar
U+02241	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash nsim ^(a)	not similar
U+02242	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash eqsim ^(a)	equals, similar
U+02243	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash simeq ^(p)	similar, equals
U+02244	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash nsime	not similar, equals
U+02243	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash sime	similar, equals (alias)
U+02244	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash nsimeq	not similar, equals (alias)
U+02245	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	\backslash cong ^(l)	congruent with
U+02246	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash simneqq	similar, not equals [vert only for 9573 entity]
U+02247	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash ncong ^(a)	not congruent with
U+02248	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash approx ^(p)	approximate
U+02249	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash napprox	not approximate
U+0224A	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash approxeq ^(a)	approximate, equals
U+0224B	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	≈	\backslash approxident	approximately identical to
U+0224C	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	≡	\backslash backcong	all equal to
U+0224D	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash asympt ^(p)	asymptotically equal to
U+0224E	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash Bumpeq ^(a)	bumpy equals
U+0224F	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash bumpeq ^(a)	bumpy equals, equals
U+02250	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash doteq ^(l)	equals, single dot above
U+02251	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash Doteq ^(a)	/doteqdot /doteq r: equals, even dots
U+02252	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash fallingdotseq ^(a)	equals, falling dots
U+02253	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash risingdotseq ^(a)	equals, rising dots
U+02254	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash coloneq	colon, equals
U+02255	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash eqcolon	equals, colon
U+02256	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash eqcirc ^(a)	circle on equals sign
U+02257	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash circeq ^(a)	circle, equals
U+02258	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash arceq	arc, equals; corresponds to
U+02259	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash wedgeq	corresponds to (wedge, equals)
U+0225A	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash veeeq	logical or, equals
U+0225B	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash stareq	star equals
U+0225C	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	⋈	\backslash triangleq ^(a)	triangle, equals

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

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U+02290												\sqsupseteq	square superset
U+02291												\sqsubseteq	square subset, equals
U+02292												$\sqsupseteq^{(p)}$	square superset, equals
U+022A2												$\vdash^{(p)}$	vertical, dash
U+022A3												$\dashv^{(p)}$	dash, vertical
U+022A6												\assert	assertion (vertical, short dash)
U+022A7												$\models^{(p)}$	models (vertical, short double dash)
U+022A8												$\Vdash^{(a)}$	vertical, double dash
U+022A9												$\Vdash^{(a)}$	double vertical, dash
U+022AA												$\Vvdash^{(a)}$	triple vertical, dash
U+022AB												\Vdash	double vert, double dash
U+022AC												$\nvdash^{(a)}$	not vertical, dash
U+022AD												$\nvdash^{(a)}$	not vertical, double dash
U+022AE												$\nVdash^{(a)}$	not double vertical, dash
U+022AF												$\nVdash^{(a)}$	not double vert, double dash
U+022B0												\prereq	element precedes under relation
U+022B1												\succeeds	succeeds under relation
U+022B2												$\vartriangleleft^{(a)}$	left triangle, open, variant
U+022B3												$\vartriangleright^{(a)}$	right triangle, open, variant
U+022B4												$\trianglelefteq^{(a)}$	left triangle, equals
U+022B5												$\trianglerighteq^{(a)}$	right triangle, equals
U+022B6												\origof	original of
U+022B7												\imageof	image of
U+022B8												$\multimap^{(a)}$	/multimap a:
U+022C8												$\bowtie^{(p)}$	bowtie
U+022CD												$\backsimeq^{(a)}$	reverse similar, equals
U+022D0												$\Subset^{(a)}$	double subset
U+022D1												$\Supset^{(a)}$	double superset
U+022D4												$\pitchfork^{(a)}$	pitchfork
U+022D5												\parallel	parallel, equal; equal or parallel
U+022D6												$\lessdot^{(a)}$	less than, with dot
U+022D7												$\gtrdot^{(a)}$	greater than, with dot
U+022D8												$\lll^{(a)}$	/ll /lll /lless r: triple less-than
U+022D9												$\ggg^{(a)}$	/ggg /gg /ggtr r: triple greater-than
U+022DA												$\lesseqgtr^{(a)}$	less, equals, greater
U+022DB												$\gtreqless^{(a)}$	greater, equals, less
U+022DC												\eqless	equal-or-less
U+022DD												\eqgtr	equal-or-greater
U+022DE												$\curlyeqprec^{(a)}$	curly equals, precedes
U+022DF												$\curlyeqsucc^{(a)}$	curly equals, succeeds
U+022E0												\npreccurlyeq	not precedes, curly equals
U+022E1												\nsucccurlyeq	not succeeds, curly equals
U+022E2												\nsqsubseteq	not, square subset, equals
U+022E3												\nsqsupseteq	not, square superset, equals
U+022E4												\sqsubseteq	square subset, not equals
U+022E5												\sqsupseteq	square superset, not equals
U+022E6												$\lnsim^{(a)}$	less, not similar
U+022E7												$\gnsim^{(a)}$	greater, not similar
U+022E8												$\precnsim^{(a)}$	precedes, not similar

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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+027F5												$\backslash\longleftarrow^{(p)}$	long leftwards arrow
U+027F6												$\longrightarrow^{(p)}$	long rightwards arrow
U+027F7												$\longleftrightarrow^{(p)}$	long left right arrow
U+027F8												$\Longleftarrow^{(p)}$	long leftwards double arrow
U+027F9												$\longrightarrow^{(p)}$	long rightwards double arrow
U+027FA												$\Longleftrightarrow^{(p)}$	long left right double arrow
U+027FB												\longmapsto	long leftwards arrow from bar
U+027FC												$\longmapsto^{(p)}$	long rightwards arrow from bar
U+027FD												\Longmapsto	long leftwards double arrow from bar
U+027FE												\Longmapsto	long rightwards double arrow from bar
U+027FF												\longrightsquigarrow	long rightwards squiggle arrow
U+02900												\nvtwoheadrightarrow	rightwards two-headed arrow with vertical stroke
U+02901												\nVtwoheadrightarrow	rightwards two-headed arrow with double vertical stroke
U+02902												\nvLeftarrow	leftwards double arrow with vertical stroke
U+02903												\nvRrightarrow	rightwards double arrow with vertical stroke
U+02904												\nvLeftleftrightarrow	left right double arrow with vertical stroke
U+02905												\twoheadmapsto	rightwards two-headed arrow from bar
U+02906												\Mapsfrom	leftwards double arrow from bar
U+02907												\Mapsto	rightwards double arrow from bar
U+02908												\downarrowbar	downwards arrow with horizontal stroke
U+02909												\uparrowbar	upwards arrow with horizontal stroke
U+0290A												\Uparrow	upwards triple arrow
U+0290B												\Downarrow	downwards triple arrow
U+0290C												\leftthreetimes	leftwards double dash arrow
U+0290D												\rightthreetimes	rightwards double dash arrow
U+0290E												\leftthreetimes	leftwards triple dash arrow
U+0290F												\rightthreetimes	rightwards triple dash arrow
U+02910												\rightharpoonup	rightwards two-headed triple dash arrow
U+02911												\rightarrowdot	rightwards arrow with dotted stem
U+02912												$\bar{\uparrow}$	upwards arrow to bar
U+02913												$\bar{\downarrow}$	downwards arrow to bar
U+02914												\rightarrowtail	rightwards arrow with tail with vertical stroke
U+02915												\nrightarrowtail	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												\leftarrowtail	leftwards arrow-tail

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+0291A		↗	↘			↖	↗	↘				\righttail	rightwards arrow-tail
U+0291B		↖	↗			↖	↗	↘				\leftdbltail	leftwards double arrow-tail
U+0291C		↗	↘			↖	↗	↘				\rightdbltail	rightwards double arrow-tail
U+0291D		↖	↗			↖	↗	↘				\diamondleftarrow	leftwards arrow to black diamond
U+0291E		↗	↘			↖	↗	↘				\rightarrowdiamond	rightwards arrow to black diamond
U+0291F		↖	↗			↖	↗	↘				\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		↗	↘			↖	↗	↘				\barrightarrowdiamond	rightwards arrow from bar to black diamond
U+02921		↖	↗			↖	↗	↘				\nwsearrow	north west and south east arrow
U+02922		↗	↘			↖	↗	↘				\neswarrow	north east and south west arrow
U+02923		↖	↗			↖	↗	↘				\hknwarrow	north west arrow with hook
U+02924		↗	↘			↖	↗	↘				\hknearrow	north east arrow with hook
U+02925		↖	↗			↖	↗	↘				\hksearrow	south east arrow with hook
U+02926		↗	↘			↖	↗	↘				\hksvarrow	south west arrow with hook
U+02927		↖	↗			↖	↗	↘				\tona	north west arrow and north east arrow
U+02928		↖	↗			↖	↗	↘				\toea	north east arrow and south east arrow
U+02929		↖	↗			↖	↗	↘				\tosa	south east arrow and south west arrow
U+0292A		↖	↗			↖	↗	↘				\towa	south west arrow and north west arrow
U+02933		↗	↘			↖	↗	↘	↖	↗	↘	\rightarrowcurvedarrow	wave arrow pointing directly right
U+02936		↖	↗			↖	↗	↘	↖	↗	↘	\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
U+02937		↖	↗			↖	↗	↘	↖	↗	↘	\rightdowncurvedarrow	arrow pointing downwards then curving rightwards
U+02938		↗	↘			↖	↗	↘				\cwrightarcarrow	right-side arc clockwise arrow
U+02939		↖	↗			↖	↗	↘				\acwleftarcarrow	left-side arc anticlockwise arrow
U+0293A		↖	↗			↖	↗	↘				\acwoverarcarrow	top arc anticlockwise arrow
U+0293B		↖	↗			↖	↗	↘				\acwunderarcarrow	bottom arc anticlockwise arrow
U+0293C		↖	↗			↖	↗	↘				\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D		↖	↗			↖	↗	↘				\curvearrowleftplus	top arc anticlockwise arrow with plus
U+0293E		↖	↗			↖	↗	↘				\cwundercurvearrow	lower right semicircular clockwise arrow
U+0293F		↖	↗			↖	↗	↘				\ccwundercurvearrow	lower left semicircular anticlockwise arrow
U+02940		↖	↗			↖	↗	↘				\acwcirculararrow	anticlockwise closed circle arrow
U+02941		↖	↗			↖	↗	↘				\cwcirculararrow	clockwise closed circle arrow
U+02942		↖	↗			↖	↗	↘				\rightarrowshortleftarrow	rightwards arrow above short leftwards arrow
U+02943		↖	↗			↖	↗	↘				\leftarrowshortrightarrow	leftwards arrow above short rightwards arrow
U+02944		↖	↗			↖	↗	↘				\shortrightarrowleftarrow	short rightwards arrow above leftwards arrow
U+02945		↖	↗			↖	↗	↘				\rightarrowplus	rightwards arrow with plus below
U+02946		↖	↗			↖	↗	↘				\leftarrowplus	leftwards arrow with plus below

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02947		↔	↔				↔	↔				<code>\rightarrowx</code>	rightwards arrow through x
U+02948		↔	↔				↔	↔				<code>\leftrightharpoonrightarrowcircle</code>	left right arrow through small circle
U+02949		↕	↕				↕	↕				<code>\twoheaduparrowcircle</code>	upwards two-headed arrow from small circle
U+0294A	↔	↔				↔	↔	↔				<code>\leftrightharpoonupdown</code>	left barb up right barb down harpoon
U+0294B	↔	↔				↔	↔	↔				<code>\leftrightharpoonupdownup</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>\leftrightharpoonupdowndown</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>\barleftharpoonupdown</code>	leftwards harpoon with barb down to bar
U+02957	↔	↔				↔	↔	↔				<code>\rightharpoonupdownbar</code>	rightwards harpoon with barb down to bar
U+02958	↕	↕				↕	↕	↕				<code>\barupharpoonleft</code>	upwards harpoon with barb left to bar
U+02959	↕	↕				↕	↕	↕				<code>\downharpoonleftbar</code>	downwards harpoon with barb left to bar
U+0295A	↔	↔				↔	↔	↔				<code>\leftharpoonupbar</code>	leftwards harpoon with barb up from bar
U+0295B	↔	↔				↔	↔	↔				<code>\barriightharpoonup</code>	rightwards harpoon with barb up from bar
U+0295C	↕	↕				↕	↕	↕				<code>\upharpoonrightbar</code>	upwards harpoon with barb right from bar
U+0295D	↕	↕				↕	↕	↕				<code>\bardownharpoonright</code>	downwards harpoon with barb right from bar
U+0295E	↔	↔				↔	↔	↔				<code>\leftharpoonupdownbar</code>	leftwards harpoon with barb down from bar
U+0295F	↔	↔				↔	↔	↔				<code>\barriightharpoonupdown</code>	rightwards harpoon with barb down from bar
U+02960	↕	↕				↕	↕	↕				<code>\upharpoonleftbar</code>	upwards harpoon with barb left from bar
U+02961	↕	↕				↕	↕	↕				<code>\bardownharpoonleft</code>	downwards harpoon with barb left from bar
U+02962	↔	↔				↔	↔	↔				<code>\leftharpoonsupdown</code>	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963	↕	↕				↕	↕	↕				<code>\upharpoonsleftright</code>	upwards harpoon with barb left beside upwards harpoon with barb right

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

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
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
U+029E4												<code>\smeparsl</code>	equals sign and slanted parallel with tilde above
U+029E5												<code>\eqvparsl</code>	identical to and slanted parallel
U+029E6												<code>\gleichstark</code>	gleich stark
U+029F4												<code>\ruledelayed</code>	rule-delayed
U+02A59												<code>\veeonwedge</code>	logical or overlapping logical and
U+02A66												<code>\eqdot</code>	equals sign with dot below
U+02A67												<code>\dotequiv</code>	identical with dot above
U+02A68												<code>\equivVert</code>	triple horizontal bar with double vertical stroke
U+02A69												<code>\equivVvert</code>	triple horizontal bar with triple vertical stroke
U+02A6A												<code>\dotsim</code>	tilde operator with dot above
U+02A6B												<code>\simrdots</code>	tilde operator with rising dots
U+02A6C												<code>\simminusim</code>	similar minus similar
U+02A6D												<code>\congdot</code>	congruent with dot above
U+02A6E												<code>\asteq</code>	equals with asterisk
U+02A6F												<code>\hat{a}pprox</code>	almost equal to with circumflex accent
U+02A70												<code>\approx{eq}</code>	approximately equal or equal to
U+02A73												<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
U+02A76												<code>\eqeqeq</code>	three consecutive equals signs
U+02A77												<code>\ddot{=}</code>	equals sign with two dots above and two dots below
U+02A78												<code>\equivDD</code>	equivalent with four dots above
U+02A79												<code>\lrcir</code>	less-than with circle inside
U+02A7A												<code>\gtcir</code>	greater-than with circle inside
U+02A7B												<code>\ltquest</code>	less-than

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02A84		↯	↮				↯	↮				\gesdotol	greater-than or slanted equal to with dot above left
U+02A85	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\lessapprox ^(a)	less-than or approximate
U+02A86	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\gtrapprox ^(a)	greater-than or approximate
U+02A87	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\lneq ^(a)	less-than and single-line not equal to
U+02A88	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\gneq ^(a)	greater-than and single-line not equal to
U+02A89	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\lnapprox ^(a)	less-than and not approximate
U+02A8A	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\gnapprox ^(a)	greater-than and not approximate
U+02A8B	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\lesseqgtr ^(a)	less-than above double-line equal above greater-than
U+02A8C	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\gtreqless ^(a)	greater-than above double-line equal above less-than
U+02A8D		↯	↯				↯	↯				\lsime	less-than above similar or equal
U+02A8E		↯	↯				↯	↯				\gsime	greater-than above similar or equal
U+02A8F		↯	↯				↯	↯				\lsimg	less-than above similar above greater-than
U+02A90		↯	↯				↯	↯				\gsiml	greater-than above similar above less-than
U+02A91		↯	↯				↯	↯				\lgE	less-than above greater-than above double-line equal
U+02A92		↯	↯				↯	↯				\glE	greater-than above less-than above double-line equal
U+02A93		↯	↯				↯	↯				\lesges	less-than above slanted equal above greater-than above slanted equal
U+02A94		↯	↯				↯	↯				\gesles	greater-than above slanted equal above less-than above slanted equal
U+02A95	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\eqslantless ^(a)	slanted equal to or less-than
U+02A96	↯	↯	↯	↯	↯		↯	↯	↯	↯	↯	\eqslantgtr ^(a)	slanted equal to or greater-than
U+02A97	↯	↯	↯				↯	↯				\elsdot	slanted equal to or less-than with dot inside
U+02A98	↯	↯	↯				↯	↯				\egsdot	slanted equal to or greater-than with dot inside
U+02A99	↯	↯	↯				↯	↯				\eqqless	double-line equal to or less-than
U+02A9A	↯	↯	↯				↯	↯				\eqqgtr	double-line equal to or greater-than
U+02A9B	↯	↯	↯				↯	↯	↯	↯	↯	\eqqslantless	double-line slanted equal to or less-than
U+02A9C	↯	↯	↯				↯	↯	↯	↯	↯	\eqqslantgtr	double-line slanted equal to or greater-than
U+02A9D	↯	↯	↯				↯	↯				\simless	similar or less-than
U+02A9E	↯	↯	↯				↯	↯	↯	↯	↯	\simgtr	similar or greater-than
U+02A9F	↯	↯	↯				↯	↯	↯	↯	↯	\simlE	similar above less-than above equals sign
U+02AA0	↯	↯	↯				↯	↯				\simgE	similar above greater-than above equals sign
U+02AA1	↯	↯	↯				↯	↯				\Lt	double nested less-than
U+02AA2	↯	↯	↯				↯	↯				\Gt	double nested greater-than
U+02AA3	↯	↯	↯				↯	↯				\partialmeetcontraction	double less-than with underbar
U+02AA4	↯	↯	↯				↯	↯				\glj	greater-than overlapping less-than
U+02AA5	↯	↯	↯				↯	↯				\gla	greater-than beside less-than

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02AA6		△	△				△	△				\ltcc	less-than closed by curve
U+02AA7		▽	▽				▽	▽				\gtcc	greater-than closed by curve
U+02AA8		△	△				△	△				\lescc	less-than closed by curve above slanted equal
U+02AA9		▽	▽				▽	▽				\gescc	greater-than closed by curve above slanted equal
U+02AAA		⋈	⋈				⋈	⋈				\smt	smaller than
U+02AAB		⋈	⋈				⋈	⋈				\lat	larger than
U+02AAC		⋈	⋈				⋈	⋈				\smte	smaller than or equal to
U+02AAD		⋈	⋈				⋈	⋈				\late	larger than or equal to
U+02AAE		≡	≡				≡	≡				\bumpeq	equals sign with bumpy above
U+02AAF	⋈	⋈	⋈	⋈	⋈		⋈	⋈	⋈	⋈	⋈	\preceq ^(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
U+02ABF		⊂+	⊂+				⊂+	⊂+				\subsetplus	subset with plus sign below
U+02AC0		⊃+	⊃+				⊃+	⊃+				\supsetplus	superset with plus sign below
U+02AC1		⊂×	⊂×				⊂×	⊂×				\subsetmult	subset with multiplication sign below
U+02AC2		⊃×	⊃×				⊃×	⊃×				\supmult	superset with multiplication sign below
U+02AC3		⊂⋅	⊂⋅				⊂⋅	⊂⋅				\subedot	subset of or equal to with dot above
U+02AC4		⊃⋅	⊃⋅				⊃⋅	⊃⋅				\supedot	superset of or equal to with dot above
U+02AC5		⊂=	⊂=				⊂=	⊂=	⊂=	⊂=	⊂=	\subseteqq ^(a)	subset of above equals sign
U+02AC6		⊃=	⊃=				⊃=	⊃=	⊃=	⊃=	⊃=	\supseteqq ^(a)	superset of above equals sign
U+02AC7		⊂~	⊂~				⊂~	⊂~				\subset~	subset of above tilde operator
U+02AC8		⊂~	⊂~				⊂~	⊂~				\supsim	superset of above tilde operator
U+02AC9		⊂≈	⊂≈				⊂≈	⊂≈				\subsetapprox	subset of above almost equal to
U+02ACA		⊂≈	⊂≈				⊂≈	⊂≈				\supsetapprox	superset of above almost equal to
U+02ACB		⊂≠	⊂≠				⊂≠	⊂≠	⊂≠	⊂≠	⊂≠	\subsetneqq ^(a)	subset of above not equal to
U+02ACC		⊃≠	⊃≠				⊃≠	⊃≠	⊃≠	⊃≠	⊃≠	\supsetneqq ^(a)	superset of above not equal to
U+02ACD		⌊	⌊				⌊	⌊				\lsqhook	square left open box operator
U+02ACE		⌋	⌋				⌋	⌋				\rsqhook	square right open box operator

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02ACF		◁	◁				◁	◁				\csub	closed subset
U+02AD0		▷	▷				▷	▷				\csup	closed superset
U+02AD1		◁	◁				◁	◁				\csube	closed subset or equal to
U+02AD2		▷	▷				▷	▷				\csupe	closed superset or equal to
U+02AD3		⊂	⊂				⊂	⊂				\subsup	subset above superset
U+02AD4		⊃	⊃				⊃	⊃				\supsub	superset above subset
U+02AD5		⊂	⊂				⊂	⊂				\subsub	subset above subset
U+02AD6		⊃	⊃				⊃	⊃				\supsup	superset above superset
U+02AD7		⊂	⊂				⊂	⊂				\suphsub	superset beside subset
U+02AD8		⊂	⊂				⊂	⊂				\supdsub	superset beside and joined by dash with subset
U+02AD9		⋏	⋏				⋏	⋏				\forkv	element of opening downwards
U+02ADA		⋏	⋏				⋏	⋏				\topfork	pitchfork with tee top
U+02ADB		⋏	⋏				⋏	⋏				\mlcp	transversal intersection
U+02ADC		⋏	⋏				⋏	⋏				\forks	forking
U+02ADD		⋏	⋏				⋏	⋏				\forksnot	nonforking
U+02ADE		┘	┘				┘	┘				\shortlefttack	short left tack
U+02ADF		┘	┘				┘	┘				\shortdowntack	short down tack
U+02AE0		┘	┘				┘	┘				\shortuptack	short up tack
U+02AE2		≡	≡				≡	≡				\vDdash	vertical bar triple right turnstile
U+02AE3		≡	≡				≡	≡				\dashV	double vertical bar left turnstile
U+02AE4		≡	≡				≡	≡				\Dashv	vertical bar double left turnstile
U+02AE5		≡	≡				≡	≡				\DashV	double vertical bar double left turnstile
U+02AE6		≡	≡				≡	≡				\varVdash	long dash from left member of double vertical
U+02AE7		┘	┘				┘	┘				\Barv	short down tack with overbar
U+02AE8		┘	┘				┘	┘				\vBar	short up tack with underbar
U+02AE9		┘	┘				┘	┘				\vBarv	short up tack above short down tack
U+02AEA		≡	≡				≡	≡				\barV	double down tack
U+02AEB		≡	≡				≡	≡				\Vbar	double up tack
U+02AEC		≡	≡				≡	≡				\Not	double stroke not sign
U+02AED		≡	≡				≡	≡				\bNot	reversed double stroke not sign
U+02AEE		┘	┘				┘	┘				\revnmid	does not divide with reversed negation slash
U+02AEF		⋏	⋏				⋏	⋏				\cirmid	vertical line with circle above
U+02AF0		⋏	⋏				⋏	⋏				\midcir	vertical line with circle below
U+02AF2		≡	≡				≡	≡				\nhpar	parallel with horizontal stroke
U+02AF3		≡	≡				≡	≡				\parsim	parallel with tilde operator
U+02AF7		≡	≡				≡	≡				\lllnest	stacked very much less-than
U+02AF8		≡	≡				≡	≡				\gggnest	stacked very much greater-than
U+02AF9		≡	≡				≡	≡	≡	≡	≡	\leqqslant	double-line slanted less-than or equal to
U+02AFA		≡	≡				≡	≡	≡	≡	≡	\geqqslant	double-line slanted greater-than or equal to
U+02B30		⬅	⬅			⬅	⬅	⬅				\circleonleftarrow	left arrow with small circle
U+02B31	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	\leftthreearrows	three leftwards arrows
U+02B32	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	\leftarrowonoplus	left arrow with circled plus
U+02B33	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	\longleftsquigarrow	long leftwards squiggle arrow
U+02B34	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	⬅	\nvtwoheadleftarrow	leftwards two-headed arrow with vertical stroke

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+02B35												<code>\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
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

13 Alphabetical symbols, \mathalpha

13.1 Normal weight

13.1.1 Upright Greek, uppercase

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

13.1.2 Upright Greek, lowercase

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

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

13.1.3 Italic, Latin, uppercase

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

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

13.1.4 Italic, Latin, lowercase

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

13.1.5 Italic Greek, uppercase

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

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

13.1.6 Italic Greek, lowercase

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
u+1D715	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<i>∂</i>	<code>\mitpartial</code>	mathematical italic partial differential
u+1D716	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<i>ε</i>	<code>\mitepsilon</code>	mathematical italic varepsilon symbol
u+1D717	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<i>θ</i>	<code>\mitvartheta</code>	mathematical italic theta symbol
u+1D718	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<i>κ</i>	<code>\mitvarkappa</code>	mathematical italic kappa symbol
u+1D719	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<code>\mitphi</code>	mathematical italic phi symbol
u+1D71A	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<i>ρ</i>	<code>\mitvarrho</code>	mathematical italic rho symbol
u+1D71B	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<i>π</i>	<code>\mitvarpi</code>	mathematical italic pi symbol

13.1.7 Script, Latin, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
u+1D49C	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<code>\mscrX</code>	mathematical script capital x
u+1D4B4	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<code>\mscrY</code>	mathematical script capital y
u+1D4B5	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mscrZ</code>	mathematical script capital z

13.1.8 Script, Latin, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
u+1D4B6	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<i>a</i>	<code>\mscra</code>	mathematical script small a
u+1D4B7	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<code>\mscrb</code>	mathematical script small b
u+1D4B8	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<i>c</i>	<code>\mscra</code>	mathematical script small c
u+1D4B9	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<code>\mscrd</code>	mathematical script small d
u+1D4BB	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<i>f</i>	<code>\mscrf</code>	mathematical script small f
u+1D4BD	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<i>h</i>	<code>\mscrh</code>	mathematical script small h
u+1D4BE	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<i>i</i>	<code>\mscri</code>	mathematical script small i
u+1D4BF	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<i>j</i>	<code>\mscrj</code>	mathematical script small j
u+1D4C0	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<i>k</i>	<code>\mscrk</code>	mathematical script small k
u+1D4C1	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<i>l</i>	<code>\mscrl</code>	mathematical script small l
u+1D4C2	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>	<code>\mscrm</code>	mathematical script small m

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D4C3	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>							\mscrn	mathematical script small n
U+1D4C5	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>	<i>p</i>							\mscrp	mathematical script small p
U+1D4C6	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>	<i>q</i>							\mscrq	mathematical script small q
U+1D4C7	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>							\mscrr	mathematical script small r
U+1D4C8	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>							\mscrs	mathematical script small s
U+1D4C9	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>							\mscrt	mathematical script small t
U+1D4CA	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>							\mscru	mathematical script small u
U+1D4CB	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>							\mscrv	mathematical script small v
U+1D4CC	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>							\mscrw	mathematical script small w
U+1D4CD	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>							\mscrx	mathematical script small x
U+1D4CE	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>							\mscry	mathematical script small y
U+1D4CF	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>							\mscrz	mathematical script small z

13.1.9 Fraktur, Latin, uppercase

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

13.1.10 Fraktur, Latin, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D51E	a	a	a	a	a	a	a	a	a	a	a	\mfraka	mathematical fraktur small a
U+1D51F	b	b	b	b	b	b	b	b	b	b	b	\mfrakb	mathematical fraktur small b
U+1D520	c	c	c	c	c	c	c	c	c	c	c	\mfrakc	mathematical fraktur small c

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
u+1D521	ḍ	ḏ	ḑ	Ḓ	Ḕ	Ḗ	Ḙ	ḙ	Ḛ	Ḝ	Ḟ	\mfrakd	mathematical fraktur small d
u+1D522	ḗ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrake	mathematical fraktur small e
u+1D523	ḟ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakf	mathematical fraktur small f
u+1D524	ḡ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakg	mathematical fraktur small g
u+1D525	ḥ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakh	mathematical fraktur small h
u+1D526	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfraki	mathematical fraktur small i
u+1D527	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakj	mathematical fraktur small j
u+1D528	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakk	mathematical fraktur small k
u+1D529	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakl	mathematical fraktur small l
u+1D52A	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakm	mathematical fraktur small m
u+1D52B	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakn	mathematical fraktur small n
u+1D52C	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrako	mathematical fraktur small o
u+1D52D	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakp	mathematical fraktur small p
u+1D52E	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakq	mathematical fraktur small q
u+1D52F	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakr	mathematical fraktur small r
u+1D530	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfraks	mathematical fraktur small s
u+1D531	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakt	mathematical fraktur small t
u+1D532	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfraku	mathematical fraktur small u
u+1D533	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakv	mathematical fraktur small v
u+1D534	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakw	mathematical fraktur small w
u+1D535	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakx	mathematical fraktur small x
u+1D536	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfraky	mathematical fraktur small y
u+1D537	ḙ	ḡ	ḙ	Ḡ	Ḣ	ḣ	Ḥ	ḥ	Ḧ	Ḩ	Ḫ	\mfrakz	mathematical fraktur small z

13.1.11 Blackboard, Latin, uppercase

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

13.1.12 Blackboard, Latin, lowercase

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

13.1.13 Sans serif, Latin, uppercase

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

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

13.1.14 Sans serif, Latin, lowercase

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

13.1.15 Italic sans serif, Latin, uppercase

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

13.1.16 Italic sans serif, Latin, lowercase

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

usv	L X S P D F N H E C R	Macro	Description
u+1d633	<i>r r r r r</i>	<i>r r r r</i> \mitsansr	mathematical sans-serif italic small r
u+1d634	<i>s s s s s</i>	<i>s s s s</i> \mitsanss	mathematical sans-serif italic small s
u+1d635	<i>t t t t t</i>	<i>t t t t</i> \mitsanst	mathematical sans-serif italic small t
u+1d636	<i>u u u u u</i>	<i>u u u u</i> \mitsansu	mathematical sans-serif italic small u
u+1d637	<i>v v v v v</i>	<i>v v v v</i> \mitsansv	mathematical sans-serif italic small v
u+1d638	<i>w w w w w</i>	<i>w w w w</i> \mitsansw	mathematical sans-serif italic small w
u+1d639	<i>x x x x x</i>	<i>x x x x</i> \mitsansx	mathematical sans-serif italic small x
u+1d63A	<i>y y y y y</i>	<i>y y y y</i> \mitsansy	mathematical sans-serif italic small y
u+1d63B	<i>z z z z z</i>	<i>z z z z</i> \mitsansz	mathematical sans-serif italic small z

13.1.17 Typewriter, Latin, uppercase

usv	L X S P D F N H E C R	Macro	Description
u+1d670	A A A A A A	A A A \mttA	mathematical monospace capital a
u+1d671	B B B B B B	B B B \mttB	mathematical monospace capital b
u+1d672	C C C C C C	C C C \mttC	mathematical monospace capital c
u+1d673	D D D D D D	D D D \mttD	mathematical monospace capital d
u+1d674	E E E E E E	E E E \mttE	mathematical monospace capital e
u+1d675	F F F F F F	F F F \mttF	mathematical monospace capital f
u+1d676	G G G G G G	G G G \mttG	mathematical monospace capital g
u+1d677	H H H H H H	H H H \mttH	mathematical monospace capital h
u+1d678	I I I I I I	I I I \mttI	mathematical monospace capital i
u+1d679	J J J J J J	J J J \mttJ	mathematical monospace capital j
u+1d67A	K K K K K K	K K K \mttK	mathematical monospace capital k
u+1d67B	L L L L L L	L L L \mttL	mathematical monospace capital l
u+1d67C	M M M M M M	M M M \mttM	mathematical monospace capital m
u+1d67D	N N N N N N	N N N \mttN	mathematical monospace capital n
u+1d67E	O O O O O O	O O O \mttO	mathematical monospace capital o
u+1d67F	P P P P P P	P P P \mttP	mathematical monospace capital p
u+1d680	Q Q Q Q Q Q	Q Q Q \mttQ	mathematical monospace capital q
u+1d681	R R R R R R	R R R \mttR	mathematical monospace capital r
u+1d682	S S S S S S	S S S \mttS	mathematical monospace capital s
u+1d683	T T T T T T	T T T \mttT	mathematical monospace capital t
u+1d684	U U U U U U	U U U \mttU	mathematical monospace capital u
u+1d685	V V V V V V	V V V \mttV	mathematical monospace capital v
u+1d686	W W W W W W	W W W \mttW	mathematical monospace capital w
u+1d687	X X X X X X	X X X \mttX	mathematical monospace capital x
u+1d688	Y Y Y Y Y Y	Y Y Y \mttY	mathematical monospace capital y
u+1d689	Z Z Z Z Z Z	Z Z Z \mttZ	mathematical monospace capital z

13.1.18 Typewriter, Latin, lowercase

usv	L X S P D F N H E C R	Macro	Description
u+1d68A	a a a a a a	a a a \mtta	mathematical monospace small a

usv	LXSPDFNHECR	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
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

13.2 Bold

13.2.1 Bold, Latin, uppercase

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

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

13.2.2 Bold, Latin, lowercase

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

13.2.3 Bold Greek, uppercase

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

13.2.4 Bold Greek, lowercase

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

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

13.2.5 Bold italic, Latin, uppercase

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

13.2.6 Bold italic, Latin, lowercase

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

13.2.7 Bold italic Greek, uppercase

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

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

13.2.8 Bold italic Greek, lowercase

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

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D4D0	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<code>\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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<i>J</i>	<i>J</i>	<i>J</i>	<i>J</i>	<code>\mbfscrJ</code>	mathematical bold script capital j
U+1D4DA	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<i>K</i>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<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>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<i>Z</i>	<code>\mbfscrZ</code>	mathematical bold script capital z

13.2.10 Bold script, Latin, lowercase

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D4F4												\mbfscrk	mathematical bold script small k
U+1D4F5												\mbfscr1	mathematical bold script small l
U+1D4F6												\mbfscrm	mathematical bold script small m
U+1D4F7												\mbfscrn	mathematical bold script small n
U+1D4F8												\mbfscro	mathematical bold script small o
U+1D4F9												\mbfscrp	mathematical bold script small p
U+1D4FA												\mbfscrq	mathematical bold script small q
U+1D4FB												\mbfscrr	mathematical bold script small r
U+1D4FC												\mbfscrs	mathematical bold script small s
U+1D4FD												\mbfscrt	mathematical bold script small t
U+1D4FE												\mbfscru	mathematical bold script small u
U+1D4FF												\mbfscr1	mathematical bold script small v
U+1D500												\mbfscrw	mathematical bold script small w
U+1D501												\mbfscrx	mathematical bold script small x
U+1D502												\mbfscry	mathematical bold script small y
U+1D503												\mbfscrz	mathematical bold script small z

13.2.11 Bold fraktur, Latin, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D56C												\mbffrakA	mathematical bold fraktur capital a
U+1D56D												\mbffrakB	mathematical bold fraktur capital b
U+1D56E												\mbffrakC	mathematical bold fraktur capital c
U+1D56F												\mbffrakD	mathematical bold fraktur capital d
U+1D570												\mbffrakE	mathematical bold fraktur capital e
U+1D571												\mbffrakF	mathematical bold fraktur capital f
U+1D572												\mbffrakG	mathematical bold fraktur capital g
U+1D573												\mbffrakH	mathematical bold fraktur capital h
U+1D574												\mbffrakI	mathematical bold fraktur capital i
U+1D575												\mbffrakJ	mathematical bold fraktur capital j
U+1D576												\mbffrakK	mathematical bold fraktur capital k
U+1D577												\mbffrakL	mathematical bold fraktur capital l
U+1D578												\mbffrakM	mathematical bold fraktur capital m
U+1D579												\mbffrakN	mathematical bold fraktur capital n
U+1D57A												\mbffrakO	mathematical bold fraktur capital o
U+1D57B												\mbffrakP	mathematical bold fraktur capital p
U+1D57C												\mbffrakQ	mathematical bold fraktur capital q
U+1D57D												\mbffrakR	mathematical bold fraktur capital r
U+1D57E												\mbffrakS	mathematical bold fraktur capital s
U+1D57F												\mbffrakT	mathematical bold fraktur capital t
U+1D580												\mbffrakU	mathematical bold fraktur capital u
U+1D581												\mbffrakV	mathematical bold fraktur capital v
U+1D582												\mbffrakW	mathematical bold fraktur capital w
U+1D583												\mbffrakX	mathematical bold fraktur capital x
U+1D584												\mbffrakY	mathematical bold fraktur capital y
U+1D585												\mbffrakZ	mathematical bold fraktur capital z

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

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

13.2.13 Bold sans serif, Latin, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
u+1D5D4	A	A	A	A	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	B	B	B	B	<code>\mbfsansB</code>	mathematical sans-serif bold capital b
u+1D5D6	C	C	C	C	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	D	D	D	D	<code>\mbfsansD</code>	mathematical sans-serif bold capital d
u+1D5D8	E	E	E	E	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	F	F	F	F	<code>\mbfsansF</code>	mathematical sans-serif bold capital f
u+1D5DA	G	G	G	G	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	H	H	H	H	<code>\mbfsansH</code>	mathematical sans-serif bold capital h
u+1D5DC	I	I	I	I	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	J	J	J	J	<code>\mbfsansJ</code>	mathematical sans-serif bold capital j

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5DE	K	K	K	K	K			K	K	K	K	\mbfsansK	mathematical sans-serif bold capital k
U+1D5DF	L	L	L	L	L			L	L	L	L	\mbfsansL	mathematical sans-serif bold capital l
U+1D5E0	M	M	M	M	M			M	M	M	M	\mbfsansM	mathematical sans-serif bold capital m
U+1D5E1	N	N	N	N	N			N	N	N	N	\mbfsansN	mathematical sans-serif bold capital n
U+1D5E2	O	O	O	O	O			O	O	O	O	\mbfsansO	mathematical sans-serif bold capital o
U+1D5E3	P	P	P	P	P			P	P	P	P	\mbfsansP	mathematical sans-serif bold capital p
U+1D5E4	Q	Q	Q	Q	Q			Q	Q	Q	Q	\mbfsansQ	mathematical sans-serif bold capital q
U+1D5E5	R	R	R	R	R			R	R	R	R	\mbfsansR	mathematical sans-serif bold capital r
U+1D5E6	S	S	S	S	S			S	S	S	S	\mbfsansS	mathematical sans-serif bold capital s
U+1D5E7	T	T	T	T	T			T	T	T	T	\mbfsansT	mathematical sans-serif bold capital t
U+1D5E8	U	U	U	U	U			U	U	U	U	\mbfsansU	mathematical sans-serif bold capital u
U+1D5E9	V	V	V	V	V			V	V	V	V	\mbfsansV	mathematical sans-serif bold capital v
U+1D5EA	W	W	W	W	W			W	W	W	W	\mbfsansW	mathematical sans-serif bold capital w
U+1D5EB	X	X	X	X	X			X	X	X	X	\mbfsansX	mathematical sans-serif bold capital x
U+1D5EC	Y	Y	Y	Y	Y			Y	Y	Y	Y	\mbfsansY	mathematical sans-serif bold capital y
U+1D5ED	Z	Z	Z	Z	Z			Z	Z	Z	Z	\mbfsansZ	mathematical sans-serif bold capital z

13.2.14 Bold sans serif, Latin, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D5EE	a	a	a	a	a			a	a	a	a	\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b			b	b	b	b	\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	c	c	c	c	c			c	c	c	c	\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d			d	d	d	d	\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	e	e	e	e			e	e	e	e	\mbfsanse	mathematical sans-serif bold small e
U+1D5F3	f	f	f	f	f			f	f	f	f	\mbfsansf	mathematical sans-serif bold small f
U+1D5F4	g	g	g	g	g			g	g	g	g	\mbfsansg	mathematical sans-serif bold small g
U+1D5F5	h	h	h	h	h			h	h	h	h	\mbfsansh	mathematical sans-serif bold small h
U+1D5F6	i	i	i	i	i			i	i	i	i	\mbfsansi	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j			j	j	j	j	\mbfsansj	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k			k	k	k	k	\mbfsansk	mathematical sans-serif bold small k
U+1D5F9	l	l	l	l	l			l	l	l	l	\mbfsansl	mathematical sans-serif bold small l
U+1D5FA	m	m	m	m	m			m	m	m	m	\mbfsansm	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n			n	n	n	n	\mbfsansn	mathematical sans-serif bold small n
U+1D5FC	o	o	o	o	o			o	o	o	o	\mbfsanso	mathematical sans-serif bold small o
U+1D5FD	p	p	p	p	p			p	p	p	p	\mbfsansp	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q			q	q	q	q	\mbfsansq	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r			r	r	r	r	\mbfsansr	mathematical sans-serif bold small r
U+1D600	s	s	s	s	s			s	s	s	s	\mbfsanss	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t			t	t	t	t	\mbfsanst	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u			u	u	u	u	\mbfsansu	mathematical sans-serif bold small u
U+1D603	v	v	v	v	v			v	v	v	v	\mbfsansv	mathematical sans-serif bold small v
U+1D604	w	w	w	w	w			w	w	w	w	\mbfsansw	mathematical sans-serif bold small w
U+1D605	x	x	x	x	x			x	x	x	x	\mbfsansx	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y			y	y	y	y	\mbfsansy	mathematical sans-serif bold small y
U+1D607	z	z	z	z	z			z	z	z	z	\mbfsansz	mathematical sans-serif bold small z

13.2.15 Bold italic sans serif, Latin, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D63C	A	A	A	A	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	B	B	B	B	<code>\mbfitsansB</code>	mathematical sans-serif bold italic capital b
U+1D63E	C	C	C	C	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	D	D	D	D	<code>\mbfitsansD</code>	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	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	F	F	F	F	<code>\mbfitsansF</code>	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	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	H	H	H	H	<code>\mbfitsansH</code>	mathematical sans-serif bold italic capital h
U+1D644	I	I	I	I	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	J	J	J	J	<code>\mbfitsansJ</code>	mathematical sans-serif bold italic capital j
U+1D646	K	K	K	K	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	L	L	L	L	<code>\mbfitsansL</code>	mathematical sans-serif bold italic capital l
U+1D648	M	M	M	M	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	N	N	N	N	<code>\mbfitsansN</code>	mathematical sans-serif bold italic capital n
U+1D64A	O	O	O	O	O	O	O	O	O	O	O	<code>\mbfitsansO</code>	mathematical sans-serif bold italic capital o
U+1D64B	P	P	P	P	P	P	P	P	P	P	P	<code>\mbfitsansP</code>	mathematical sans-serif bold italic capital p
U+1D64C	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	<code>\mbfitsansQ</code>	mathematical sans-serif bold italic capital q
U+1D64D	R	R	R	R	R	R	R	R	R	R	R	<code>\mbfitsansR</code>	mathematical sans-serif bold italic capital r
U+1D64E	S	S	S	S	S	S	S	S	S	S	S	<code>\mbfitsansS</code>	mathematical sans-serif bold italic capital s
U+1D64F	T	T	T	T	T	T	T	T	T	T	T	<code>\mbfitsansT</code>	mathematical sans-serif bold italic capital t
U+1D650	U	U	U	U	U	U	U	U	U	U	U	<code>\mbfitsansU</code>	mathematical sans-serif bold italic capital u
U+1D651	V	V	V	V	V	V	V	V	V	V	V	<code>\mbfitsansV</code>	mathematical sans-serif bold italic capital v
U+1D652	W	W	W	W	W	W	W	W	W	W	W	<code>\mbfitsansW</code>	mathematical sans-serif bold italic capital w
U+1D653	X	X	X	X	X	X	X	X	X	X	X	<code>\mbfitsansX</code>	mathematical sans-serif bold italic capital x
U+1D654	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	<code>\mbfitsansY</code>	mathematical sans-serif bold italic capital y
U+1D655	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	<code>\mbfitsansZ</code>	mathematical sans-serif bold italic capital z

13.2.16 Bold italic sans serif, Latin, lowercase

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D664	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<i>o</i>	<code>\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>	<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>	<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>	<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>	<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>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<code>\mbfitsanst</code>	mathematical sans-serif bold italic small t
U+1D66A	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<i>u</i>	<code>\mbfitsansu</code>	mathematical sans-serif bold italic small u
U+1D66B	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<i>v</i>	<code>\mbfitsansv</code>	mathematical sans-serif bold italic small v
U+1D66C	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<i>w</i>	<code>\mbfitsansw</code>	mathematical sans-serif bold italic small w
U+1D66D	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<i>x</i>	<code>\mbfitsansx</code>	mathematical sans-serif bold italic small x
U+1D66E	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>	<code>\mbfitsansy</code>	mathematical sans-serif bold italic small y
U+1D66F	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<i>z</i>	<code>\mbfitsansz</code>	mathematical sans-serif bold italic small z

13.2.17 Bold sans serif Greek, uppercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D756	A	A	A	A	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	B	B	B	B	<code>\mbfsansBeta</code>	mathematical sans-serif bold capital beta
U+1D758	Γ	Γ	Γ	Γ	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	Δ	Δ	Δ	Δ	<code>\mbfsansDelta</code>	mathematical sans-serif bold capital delta
U+1D75A	E	E	E	E	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	Z	Z	Z	Z	<code>\mbfsansZeta</code>	mathematical sans-serif bold capital zeta
U+1D75C	H	H	H	H	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	Θ	Θ	Θ	Θ	<code>\mbfsansTheta</code>	mathematical sans-serif bold capital theta
U+1D75E	I	I	I	I	I	I	I	I	I	I	I	<code>\mbfsansIota</code>	mathematical sans-serif bold capital iota
U+1D75F	K	K	K	K	K	K	K	K	K	K	K	<code>\mbfsansKappa</code>	mathematical sans-serif bold capital kappa
U+1D760	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ	<code>\mbfsansLambda</code>	mathematical sans-serif bold capital lambda
U+1D761	M	M	M	M	M	M	M	M	M	M	M	<code>\mbfsansMu</code>	mathematical sans-serif bold capital mu
U+1D762	N	N	N	N	N	N	N	N	N	N	N	<code>\mbfsansNu</code>	mathematical sans-serif bold capital nu
U+1D763	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	<code>\mbfsansXi</code>	mathematical sans-serif bold capital xi
U+1D764	O	O	O	O	O	O	O	O	O	O	O	<code>\mbfsansOmicron</code>	mathematical sans-serif bold capital omicron
U+1D765	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π	<code>\mbfsansPi</code>	mathematical sans-serif bold capital pi
U+1D766	P	P	P	P	P	P	P	P	P	P	P	<code>\mbfsansRho</code>	mathematical sans-serif bold capital rho
U+1D767	Θ	Θ	Θ	Θ	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	Σ	Σ	Σ	Σ	<code>\mbfsansSigma</code>	mathematical sans-serif bold capital sigma
U+1D769	T	T	T	T	T	T	T	T	T	T	T	<code>\mbfsansTau</code>	mathematical sans-serif bold capital tau
U+1D76A	Υ	Υ	Υ	Υ	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	Φ	Φ	Φ	Φ	<code>\mbfsansPhi</code>	mathematical sans-serif bold capital phi
U+1D76C	Χ	Χ	Χ	Χ	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	Ψ	Ψ	Ψ	Ψ	<code>\mbfsansPsi</code>	mathematical sans-serif bold capital psi
U+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	<code>\mbfsansOmega</code>	mathematical sans-serif bold capital omega

13.2.18 Bold sans serif Greek, lowercase

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

13.2.19 Bold italic sans serif Greek, uppercase

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

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D79B	M	M	M	M	M	M	M	M	M	M	M	\mbfitsansMu	mathematical sans-serif bold italic capital mu
U+1D79C	N	N	N	N	N	N	N	N	N	N	N	\mbfitsansNu	mathematical sans-serif bold italic capital nu
U+1D79D	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfitsansXi	mathematical sans-serif bold italic capital xi
U+1D79E	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	Ο	\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
U+1D79F	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π	Π	\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	\mbfitsansRho	mathematical sans-serif bold italic capital rho
U+1D7A1	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	Τ	\mbfitsansTau	mathematical sans-serif bold italic capital tau
U+1D7A4	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfitsansPhi	mathematical sans-serif bold italic capital phi
U+1D7A6	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfitsansPsi	mathematical sans-serif bold italic capital psi
U+1D7A8	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfitsansOmega	mathematical sans-serif bold italic capital omega

13.2.20 Bold italic sans serif Greek, lowercase

usv	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7AA	α	α	α	α	α	α	α	α	α	α	α	\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	β	β	β	β	β	β	β	β	β	β	β	\mbfitsansbeta	mathematical sans-serif bold italic small beta
U+1D7AC	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	\mbfitsansgamma	mathematical sans-serif bold italic small gamma
U+1D7AD	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ	δ	\mbfitsansdelta	mathematical sans-serif bold italic small delta
U+1D7AE	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	\mbfitsansvarepsilon	mathematical sans-serif bold italic small varepsilon
U+1D7AF	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfitsanszeta	mathematical sans-serif bold italic small zeta
U+1D7B0	η	η	η	η	η	η	η	η	η	η	η	\mbfitsanseta	mathematical sans-serif bold italic small eta
U+1D7B1	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	θ	\mbfitsanstheta	mathematical sans-serif bold italic small theta
U+1D7B2	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι	ι	\mbfitsansiota	mathematical sans-serif bold italic small iota
U+1D7B3	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	μ	\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν	ν	\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfitsansxi	mathematical sans-serif bold italic small xi
U+1D7B8	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο	ο	\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	π	π	π	π	π	π	π	π	π	π	π	\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfitsansrho	mathematical sans-serif bold italic small rho
U+1D7BB	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς	ς	\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ	σ	\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ	τ	\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ	υ	\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ	χ	\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	ψ	\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω	ω	\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂	∂	\mbfitsanspartial	mathematical sans-serif bold italic partial differential
U+1D7C4	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	ε	\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	ϑ	\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
U+1D7C6	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	κ	\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol

USV	L	X	S	P	D	F	N	H	E	C	R	Macro	Description
U+1D7C7	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	ϕ	<code>\mbfitsansphi</code>	mathematical sans-serif bold italic phi symbol
U+1D7C8	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	ρ	<code>\mbfitsansvarrho</code>	mathematical sans-serif bold italic rho symbol
U+1D7C9	π	π	π	π	π	π	π	π	π	π	π	<code>\mbfitsansvarpi</code>	mathematical sans-serif bold italic pi symbol

13.3 Miscellaneous

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

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