Symbols defined by unicode-math

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Modified (df) to show Erewhon Math symbols

This document uses the file unicode-math-table.tex to print every symbol defined by the unicode-math package. Use this document to find the command name or the Unicode glyph slot for a symbol that you wish to use. The following fonts are shown: (with approximate symbol counts)¹

- M Latin Modern Math (1602)
- S STIX Two Math (2447)
- E Erewhon Math (1679)
- P TeX Gyre Pagella Math (1655)
- D DejaVu Math TeX Gyre (1657)
- L Libertinus Math (1660)
- G Garamond Math (1647)

Symbols defined in Plain T_EX are indicated with ^(p) after their macro name. L^AT_EX follows Plain T_EX, but defines a handful more, indicated with ^(l). Symbols defined in amssymb are indicated with ^(a).

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

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¹Be aware that 48 lowercase latin letters are missing in *Script* and *BoldScript* shapes for both Latin Modern Math and Erewhon Math, compared to the other four fonts.

²Only 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	M	S	Е	Р	D	L	G	Macro	Description
U+00028	(((((((\lparen	left parenthesis
и+0005в	[[[[[[[\lbrack	left square bracket
и+0007в	{	{	{	{	{	{	{	\lbrace ^(p) left curly bracket	
U+0221A			$\sqrt{}$	\checkmark			\checkmark	$\backslash \mathtt{sqrt}^{(p)}$	radical
U+0221B		3 √	3/			3 √		\cuberoot	cube root
U+0 22 1C		4 √	$\sqrt[4]{}$			4 √		\fourthroot	fourth root
U+02308	Γ	Γ	Γ	ſ	ſ	ſ	ſ	$\label{lceil} \$	left ceiling
U+0230A	L	L	L	L	L	l	l	$\label{lfloor} \$	left floor
U+0231C	Г	Г	г	г	Г	Г	г	\ulcorner	upper left corner
U+0231E	L	L	L	ů.	L	L	L	\llcorner	lower left corner
U+023B0		ſ	ſ			<u></u>		$\verb \locate $	upper left or lower right curly bracket section
U+02772		(\lbrbrak	light left tortoise shell bracket ornament
U+027C5		S						\lbag	left s-shaped bag delimiter
U+0 27 CC)						\longdivision	long division
U+027E6								\1Brack	mathematical left white square bracket
U+027E8	<	<	<	<	(<	($\label{langle} $$ \arrowvert = (p) $$ \arrow$	mathematical left angle bracket
U+027EA	«	«	((((((«	((\lAngle	mathematical left double angle bracket
U+027EC		((\Lbrbrak	mathematical left white tortoise shell bracket
U+0 27 EE	((((((($\verb \lgroup ^{(p)}$	mathematical left flattened parenthesis
u+02983		{						\lBrace	left white curly bracket
u+02985		(\1Paren	left white parenthesis
u+02987		1				(\llparenthesis	z notation left image bracket
u+02989		4						\llangle	z notation left binding bracket
и+0298в		Ī						\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+0 2 991		(\langledot	left angle bracket with dot
U+0 2 993		<						\lparenless	left arc less-than bracket

USV	M	S	E	P	D	L	G	Macro	Description
U+02995		*						\Lparengtr	double left arc greater-than bracket
U+02997		(\lblkbrbrak	left black tortoise shell bracket
U+029D8		}						\lvzigzag	left wiggly fence
U+029DA		***						\Lvzigzag	left double wiggly fence
U+0 2 9FC		<				<		\lcurvyangle	left pointing curved angle bracket

2 Closing symbols, \mathclose

USV	M	S	Е	Р	D	L	G	Macro	Description
U+00021	!	!	!	!	!	!	!	\mathexclam	exclamation mark
U+000 2 9)))))))	\rparen	right parenthesis
U+0005D]]]]]]]	\rbrack	right square bracket
U+0007D	}	}	}	}	}	}	}	$\verb \rbrace ^{(p)}$	right curly bracket
U+0 23 09	7	1	1	1	1	1]	$\c \c \$	right ceiling
U+0 23 0В]]	J	J		$\verb \rfloor ^{(p)}$	right floor
U+0231D	٦	٦	٦	٦	٦	٦	٦	\urcorner	upper right corner
U+0231F	١	٦	٦	٠	٦	٦	u	\lrcorner	lower right corner
U+023B1		J	J			J		$\verb \mbox \verb rmoustache (p)$	upper right or lower left curly bracket section
U+02773)						\rbrbrak	light right tortoise shell bracket ornament
u+027c6		S						\rbag	right s-shaped bag delimiter
U+027E7]	1]]]]]	\rBrack	mathematical right white square bracket
u+027E9	>	>	>	>	>	>)	$\texttt{\normalize}^{(p)}$	mathematical right angle bracket
и+027ЕВ	»	»	>>	>>	>>	>>) >	\rAngle	mathematical right double angle bracket
U+027ED))		\Rbrbrak	mathematical right white tor- toise shell bracket
U+027EF)))))))	$\verb \rgroup ^{(p)}$	mathematical right flattened parenthesis
u+02984		}						\rBrace	right white curly bracket
u+02986)						\rParen	right white parenthesis
u+02988		D)		\rrparenthesis	z notation right image bracket
u+0298a		>						\rrangle	z notation right binding bracket
u+0298c]						\rbrackubar	right square bracket with un- derbar
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+0 2 994		>						\rparengtr	right arc greater-than bracket
u+02996		¥						\Rparenless	double right arc less-than bracket
u+02998)						\rblkbrbrak	right black tortoise shell bracket
U+029D9		{						\rvzigzag	right wiggly fence

USV	M	S	Е	Р	D	L	G	Macro	Description
U+029DB		***						\Rvzigzag	right double wiggly fence
U+029FD		>				>		\rcurvyangle	right pointing curved angle bracket

3 Fence symbols, \mathfence

USV	M	S	Е	Р	D	L	G	Macro	Description
u+0007C								$Vert^{(p)}$	vertical bar
U+02016								$\verb \Vert ^{(p)}$	double vertical bar
u+02980								\Vvert	triple vertical bar delimiter

4 Punctuation symbols, \mathpunct

USV	M	S	Е	Р	D	L	G	Macro	Description
U+0002C	,	,	,	,	,	,	,	\mathcomma	comma
U+0003A	:	:	:	:	:	:	:	\mathcolon	colon
U+0003B	;	;	;	;	;	;	;	\mathsemicolon	semicolon p:

5 'Over' symbols, \mathover

USV	M	S	E	P	D	L	G	Macro	Description
U+023B4	$\sqrt{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	x + y	$\overline{x+y}$	\overbracket	top square bracket
U+023DC	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	\overparen	top parenthesis (mathematical use)
U+023DE	$\widehat{x+y}$	$\widetilde{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\verb \overbrace ^{(p)}$	top curly bracket (mathematical use)

6 'Under' symbols, \mathunder

USV	M	S	E	P	D	L	G	Macro	Description
U+023B5	x + y	x + y	x + y	x + y	x + y	x + y	x + y	\underbracket	bottom square bracket
U+023DD	$\underbrace{x+y}$	\underparen	bottom parenthesis (mathematical use)						
U+023DF	$\underbrace{x+y}$	$\verb \underbrace ^{(p)}$	bottom curly bracket (mathematical use)						

7 Accents, \mathaccent

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

USV	M	S	Е	Р	D	L	G	Macro	Description
U+00300	à	x	x	x	x	x	à	\grave ^(p)	grave accent
U+00301	\acute{x}	ź	ź	ź	χ́	ź	ź	$\action (p)$	acute accent
U+00302	\hat{x}	â	\hat{x}	$\hat{\chi}$	â	â	\hat{x}	$\hat{\mathbf{hat}}^{(p)}$	circumflex accent
U+00303	\tilde{x}	\tilde{x}	\tilde{x}	$\tilde{\chi}$	$\tilde{\chi}$	\tilde{x}	\tilde{x}	$ar{tilde}^{(p)}$	tilde
U+00304	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	$\operatorname{f bar}^{(p)}$	macron
u+00305	\bar{x}	\bar{x}	\overline{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\overbar	overbar embellishment
u+00306	$reve{x}$	x	<i>x</i>	\breve{x}	ĭ	x	\check{x}	$\begin{tabular}{ll} \verb+ breve+ (p) \end{array}$	breve
u+00307	\dot{x}	x	$\dot{\mathcal{X}}$	\dot{x}	x	x	\dot{x}	$\dot^{(p)}$	dot above
u+00308	\ddot{x}	ÿ	\ddot{x}	ÿ	ÿ	ÿ	\ddot{x}	$\backslash \mathtt{ddot}^{(p)}$	dieresis
u+00309	\vec{x}	$\mathring{\mathcal{X}}$	$\mathring{\dot{X}}$	$\dot{\mathcal{X}}$	χ̈́	x	$\dot{\hat{x}}$	\ovhook	combining hook above
U+0030A	\mathring{x}	$\mathring{\mathcal{X}}$	$\mathring{\mathcal{X}}$	$\mathring{\mathcal{X}}$	$\mathring{\chi}$	\mathring{x}	$\mathring{\mathcal{X}}$	\ocirc	ring
U+0030C	\check{x}	ž	ž	ž	ž	ž	\check{x}	$\check^{(p)}$	caron
U+00310		х̈́				$\dot{\ddot{X}}$		\candra	candrabindu (non-spacing)
U+00312		ʻx				χ̈́		\oturnedcomma	combining turned comma above
U+00315		'n				$\dot{\mathcal{X}}$		\ocommatopright	combining comma above right
U+0031A		χ				\vec{X}		\droang	left angle above (non-spacing)
U+020D0	$\dot{\bar{x}}$	$\dot{\bar{x}}$	\overline{x}	$\dot{\bar{x}}$	$\dot{\overline{\chi}}$	$\dot{\bar{x}}$	$\dot{\bar{x}}$	\leftharpoonaccent	combining left harpoon above
U+020D1	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\vec{x}	\rightharpoonaccent	combining right harpoon above
U+020D2	\dot{x}	\star	<i>k</i>	x	×		χ	\vertoverlay	combining long vertical line overlay
U+020D7	\vec{x}	\vec{x}	\vec{x}	$\vec{\chi}$	$\vec{\chi}$	\overrightarrow{x}	\vec{x}	$\mathbf{vec}^{(p)}$	combining right arrow above
U+020DB	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{x}	\ddot{X}	\ddot{x}	\ddot{x}	\dddot	combining three dots above
U+020DC	\ddot{x}	\ddot{x}	\ddot{x}	·x·	ï	\ddot{x}	$\frac{\dots}{x}$	\ddddot	combining four dots above
U+020E7		\mathbf{x}						\annuity	combining annuity symbol
U+020E9	\bar{x}	\vec{x}	\overline{x}	\bar{x}	\overline{X}		\overline{x}	\widebridgeabove	combining wide bridge above
U+020F0	\mathring{x}	$\overset{*}{\mathcal{X}}$	$\mathring{\mathcal{X}}$	$\mathring{\mathcal{X}}$	*X		$\overset{*}{\mathring{\mathcal{X}}}$	\asteraccent	combining asterisk above

8 Accents wide, \mathaccentwide

USV	M	S	Е	P	D	L	G	Macro	Description
U+00302	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat{x + y}$	$\widehat{x+y}$	$\widehat{x+y}$	$\widehat^{(p)}$	circumflex accent
U+00303	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x + y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	$\verb \widetilde ^{(p)}$	tilde
U+00305	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	$\overline{x+y}$	x + y	\wideoverbar	stretchy overbar embellishment
u+00306	$\underbrace{x+y}$	x + y	x + y	x + y	x + y	x + y	x + y	\widebreve	stretchy breve
U+0030C	$\widetilde{x+y}$	$\widetilde{x+y}$	$\widetilde{x+y}$	x + y	x + y	$\widetilde{x+y}$	$\widetilde{x+y}$	\widecheck	stretchy caron
U+020D0	$\overline{x+y}$	$\overleftarrow{x+y}$	$\overline{x+y}$	$\frac{1}{x+y}$	$\overline{x+y}$	x + y	$\frac{x+y}{x}$	\overleftharpoon	combining left harpoon above
U+020D1	$\overrightarrow{x+y}$	\overrightharpoon	combining right harpoon above						
U+020D6	$\overleftarrow{x+y}$	$\verb \overleftarrow ^{(p)}$	combining left arrow above						
U+0 2 0D7	$\overrightarrow{x+y}$	$\verb \overrightarrow ^{(p)}$	combining left arrow above						
U+020E1	$\overleftarrow{x+y}$	\overleftrightarrow	combining left right arrow above						

9 Bottom accents, \mathbotaccent

USV	M	S	Е	Р	D	L	G	Macro	Description
U+020E8	<u>x</u> .	.x	<u>.x</u>	<u>X</u> .	X.		<u>x</u> .	\threeunderdot	combining triple underdot

10 Bottom accents wide, \mathbotaccentwide

USV	M	S	E	P	D	L	G	Macro	Description
U+00330	$\underbrace{x+y}$	$\underbrace{x+y}$	$\underbrace{x+y}$	x + y	x + y	$\underbrace{x+y}$	$\underbrace{x+y}$	\wideutilde	under tilde accent (multiple characters and non-spacing)
U+00332	$\underline{x+y}$	$\frac{x+y}{}$	$\frac{x+y}{}$	$\frac{x+y}{}$	$\underline{x+y}$	$\frac{x+y}{}$	x + y	\mathunderbar	combining low line
U+0034D	x + y	x + y	x + y	x + y	x + y	x + y	x + y	\underleftrightarrow	underleftrightarrow accent
U+0 2 0EC	$\xrightarrow{x+y}$	$\xrightarrow{x+y}$	$\frac{x+y}{}$	$\xrightarrow{x+y}$	$\frac{x+y}{}$		$\xrightarrow{x+y}$	\underrightharpoondown	combining rightwards harpoon with barb downwards
U+020ED	$\underbrace{x+y}$	$\underbrace{x+y}$	$\frac{x+y}{}$	$\frac{x+y}{}$	$\frac{x+y}{}$		$\frac{x+y}{}$	\underleftharpoondown	combining leftwards harpoon with barb downwards
U+020EE	$\underbrace{x+y}$	x + y	x + y	x + y	x + y	x + y	x + y	\underleftarrow	combining left arrow below
U+020EF	$\xrightarrow{x+y}$	$\xrightarrow{x+y}$	$\xrightarrow{x+y}$	$\xrightarrow{x+y}$	$\xrightarrow{x + y}$	$\xrightarrow{x+y}$	$\xrightarrow{x+y}$	\underrightarrow	combining right arrow below

11 Big operators, \mathop

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

USV	M	S	Е	P	D	L	G	Macro	Description
U+0 2 140	1 0	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	\(\sum_{0}^{1} \)	4	\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}	$\mathbf{\backslash prod}^{(p)}$	product operator
U+0 22 10	\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+0 22 11	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	\sum_{0}^{1}	$\sum_{p} \mathbf{sum}^{(p)}$	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	$\setminus \mathtt{int}^{(p)}$	integral operator
U+0 222 C	\int_{0}^{1}	\int_{0}^{1}	\int_{0}^{1}	\int_{0}^{1}	\int_{0}^{1}	\int_{0}^{1}	\int_{0}^{1}	\iint	double integral operator
U+0222D	\iiint_0^1	\iiint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_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	$\setminus \mathtt{oint}^{(p)}$	contour integral operator
U+0222F	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\iint_0^1	\oiint	double contour integral operator
U+02230	\iint_0^1	\iint_0^1	${\displaystyle\iint_{0}^{1}}$	\iint_0^1	\oiint_0^1	\iint_0^1	\iint_0^1	\oiiint	triple contour integral operator
U+02231	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\int_0^1	\intclockwise	clockwise integral
U+02232	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\varointclockwise	contour integral, clockwise
u+02233	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\oint_0^1	\ointctrclockwise	contour integral, anticlockwise
U+0 22 CO	\bigwedge_{0}^{1}	$\bigwedge_{\mathbb{Q}}^{1}$	\bigwedge_{0}^{1}	\bigwedge_{0}^{1}	\bigwedge_{0}^{1}	\bigwedge_{0}^{1}	\bigwedge_{0}^{1}	$\verb \bigwedge ^{(p)}$	logical and operator
U+0 22 C1	\bigvee_{0}^{1}	V 0	\bigvee_{0}^{1}	\bigvee_{0}^{1}	\bigvee_{0}^{1}	\bigvee_{0}^{1}	\bigvee_{0}^{1}	$\verb+\bigvee^{(p)}$	logical or operator
U+022C2	\bigcap_{0}^{1}		\bigcap_{0}^{1}	\bigcap_{0}^{1}	\bigcap_{0}^{1}	\bigcap_{0}^{1}	\bigcap_{0}^{1}	$\verb+\bigcap+(p)$	intersection operator
U+022C3		\bigcup_{0}^{\P}	\bigcup_{0}^{1}				\bigcup_{0}^{1}	$\mathbf{ullet}^{(\mathrm{p})}$	union operator
U+027D5		0 1 0 1						\leftouterjoin	left outer join
U+027D6								\rightouterjoin	right outer join
U+027D7								\fullouterjoin	full outer join
u+027D8	1 0	1 1 0	$\frac{1}{0}$	1 0	1 0		1	\bigbot	large up tack

USV	M	S	Е	Р	D	L	G	Macro	Description
U+027D9	1 0	1 0	1 0	1 0	1 0		$\frac{1}{0}$	\bigtop	large down tack
U+029F8		1 / 0						\xsol	big solidus
u+0 2 9F9		0 \ 0 1						\xbsol	big reverse solidus
U+02A00	\bigcup_{0}^{1}		\bigcup_{0}^{1}	\bigcup_{0}^{1}	\bigcup_{0}^{1}		\bigcup_{0}^{1}	$\verb \bigodot ^{(p)}$	n-ary circled dot operator
U+02A01	\bigoplus_{0}^{1}		\bigoplus_{0}^{1}	\bigoplus_{0}^{1}	\bigoplus_{0}^{1}		\bigoplus_{0}^{1}	$\verb \bigoplus ^{(p)}$	n-ary circled plus operator
U+02A02	\bigotimes_{0}^{1}		\bigotimes_{0}^{1}	\bigotimes_{0}^{1}	\bigotimes_{0}^{1}		\bigotimes_{0}^{1}	$\verb \bigotimes ^{(p)}$	n-ary circled times operator
U+02A03			\bigcup_{0}^{1}	\bigcup_{0}^{1}	\bigcup_{0}^{1}			\bigcupdot	n-ary union operator with dot
U+02A04	1	<u>+</u>	1	1+	+	+	1	$\verb \biguplus ^{(p)}$	n-ary union operator with plus
U+02A05				\bigcap_{0}^{1}				\bigsqcap	n-ary square intersection opera- tor
U+02A06								$\begin{tabular}{ll} \verb&\begin{tabular}{ll} $	n-ary square union operator
U+02A07		N O						\conjquant	two logical and operator
U+02A08		W						\disjquant	two logical or operator
U+02A09	$\underset{0}{\overset{1}{\swarrow}}$	$\underset{Q}{\overset{Q}{\times}}$	$\underset{0}{\overset{1}{\times}}$	$\underset{0}{\overset{1}{\times}}$	$\underset{0}{\overset{1}{\times}}$		$\underset{0}{\overset{1}{\times}}$	\bigtimes	n-ary times operator
U+0 2 A0A								\modtwosum	modulo two sum
U+02AOB		$\sum_{i=0}^{n}$						\sumint	summation with integral
U+0 2 A0C	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiint_0^1	\iiiint	quadruple integral operator
U+02A0D		\int_0^1	\int_0^1					\intbar	finite part integral
U+02A0E		\int_{0}^{1}						\intBar	integral with double stroke
U+02A0F		\int_{0}^{1}						\fint	integral average with slash
U+0 2 A10		\oint_0^1						\cirfnint	circulation function
U+02A11	\int_0^1	\int_{0}^{1}	\int_0^1	\int_0^1	\oint_0^1		\int_0^1	\awint	anticlockwise integration
U+02A12		\int_0^1						\rppolint	line integration with rectangu- lar path around pole

USV	M	S	Е	P	D	L	G	Macro	Description
U+02A13								\scpolint	line integration with semicircular path around pole
u+02A14								\npolint	line integration not including the pole
U+02A15								\pointint	integral around a point operator
u+02a16		\int_{0}^{1}						\sqint	quaternion integral operator
u+02A17		$ \oint_0^1 $						\intlarhk	integral with leftwards arrow with hook
u+02a18		\int_{0}^{1}						\intx	integral with times sign
U+0 2 A19		$\oint_0^1 \int_0^1 \int_0^$						\intcap	integral with intersection
U+0 2 A1A		$\int_{\underline{0}}^{1}$						\intcup	integral with union
U+0 2 A1B		\int_{0}^{1}						\upint	integral with overbar
U+0 2 A1C		$\int_{\mathbb{Q}}^{1}$						\lowint	integral with underbar
U+0 2 A1D			1 					\Join	join
U+02A1E		0						\bigtriangleleft	large left triangle operator
U+02A1F		0 1 9 0 1 >>> 0 1						\zcmp	z notation schema composition
U+02A20		>> 0 1						\zpipe	z notation schema piping
U+02A21		0						\zproject	z notation schema projection
U+02AFC		Q Q						\biginterleave	large triple vertical bar operator
U+02AFF								\bigtalloblong	n-ary white vertical bar
U+1EEFO		0						\arabicmaj	arabic mathematical operator meem with hah with tatweel
U+1EEF1		1 0						\arabichad	arabic mathematical operator hah with dal

12 Binary relations, \mathbin

USV	M	S	E	P	D	L	G	Macro	Description
U+0002B	+	+	+	+	+	+	+	\mathplus	plus sign b:
U+000B1	\pm	±	±	±	±	±	±	$\protect\operatorname{\mathtt{pm}}^{(p)}$	plus-or-minus sign
и+ооов7								$\texttt{\cdotp}^{(p)}$	/centerdot b: middle dot
U+000D7	×	×	×	×	×	×	×	$ ag{times}^{(p)}$	multiply sign
U+000F7	÷	÷	÷	÷	÷	÷	÷	$\operatorname{ extsf{div}}^{(p)}$	divide sign
U+02020	†	†	†	+	†	†	†	$\lceil dagger^{(p)} \rceil$	dagger relation
U+02021	‡	‡	‡	‡	‡	‡	‡	$\verb \ddagger ^{(p)}$	double dagger relation
U+02022	•	•	•	•	•	•	•	\smblkcircle	/bullet b: round bullet, filled
u+0 2 040								\tieconcat	character tie, z notation sequence concatenation
u+02044	/	/	/	/	/	/	/	\fracslash	fraction slash
U+0214B		38	8				28	\upand	turned ampersand
U+02212	_	_	_	_	_	-	-	\minus	minus sign
U+02213		Ŧ					Ŧ	$\mbox{\em mp}^{(\mbox{\footnotesize p})}$	minus-or-plus sign
U+02214	÷	÷	÷	÷	÷	÷	+	$\dotplus^{(a)}$	plus sign, dot above
U+0 22 15	/	/	/	/	/	/	/	\divslash	division slash
u+0 22 16	\	\	_	\		\	\	$\verb \setminus ^{(p)}$	set minus (cf. reverse solidus)
U+02217	*	*	*	*	*	*	*	$\text{ast}^{(p)}$	centered asterisk
U+0 22 18	0	0	0	0	0	0	0	\vysmwhtcircle	composite function (small circle)
U+0 22 19	•	•	•	•	•	•	•	\vysmblkcircle	bullet operator
U+0 222 7	\wedge	٨	٨	\wedge	٨	٨	٨	$\mathbf{\backslash wedge}^{(p)}$	/wedge /land b: logical and
U+02228	V	٧	V	V	V	V	٧	$\mathbf{vee}^{(p)}$	/vee /lor b: logical or
U+0 222 9	\cap	\cap	\cap	\cap	\cap	\cap	Λ	$ar{cap}^{(p)}$	intersection
U+0222A	U	U	U	U	U	U	U	$\mathbf{cup}^{(p)}$	union or logical sum
u+02238	·	·	·	·	÷	÷	÷	\dotminus	minus sign, dot above
U+0223E	\sim	8	\sim	2	~	∞	~	\invlazys	most positive [inverted lazy s]
U+0 22 40	}	ζ	?	>	₹	}	}	$\mathbf{ar{wr}}^{(\mathrm{p})}$	wreath product
u+0 22 8c	⊌	⊌	•	Θ	⊌	⊌	⊌	\cupleftarrow	multiset
U+0228D	\cup	\cup	U	U	U	⊍	⊌	\cupdot	union, with dot
u+0228e	+	⊎	+	+	₩	+	₩	$\mathbf{uplus}^{(p)}$	plus sign in union
u+0 22 93	П	П	П	П	П	П	П	$\sq cap^{(p)}$	square intersection
u+0 22 94	Ш	Ц	Ш	Ц	Ш	Ш	Ш	$\sl sqcup^{(p)}$	square union
u+0 22 95	\oplus	\oplus	\oplus	\oplus	⊕	\oplus	\oplus	$\operatorname{f ar{p}}$	plus sign in circle
		Θ	Θ	Θ	Θ	Θ	Θ	$\operatorname{Nominus}^{(p)}$	minus sign in circle
u+0 22 96	\ominus	\circ	_	_					minus sign in circle

USV	M	S	E	P	D	L	G	Macro	Description
U+02298	0	\oslash	0	Ø	0	0	0	$\osin oslash^{(p)}$	solidus in circle
U+0 22 99	\odot	\odot	•	0	0	0	0	$\odot^{(p)}$	middle dot in circle
U+0229A	0	0	0	0	0	0	0	$\verb \circledcirc ^{(a)}$	small circle in circle
U+0229B	*	*	*	*	*	*	*	$\verb \circledast ^{(a)}$	asterisk in circle
U+0229C							\Rightarrow	\circledequal	equal in circle
U+0229D	\ominus	Θ	Θ	Θ	Θ	Θ	Θ	$\verb \circleddash ^{(a)}$	hyphen in circle
U+0229E	\blacksquare	\blacksquare	Ħ	\blacksquare	Ħ	\blacksquare	Ш	$\verb \boxplus ^{(a)}$	plus sign in box
U+0229F		\Box	В		В	\Box	\Box	$\verb \boxminus ^{(a)}$	minus sign in box
U+022A0	\boxtimes	\boxtimes			×		X	$\verb \boxtimes ^{(a)}$	multiply sign in box
U+022A1	•	⊡	•	•	⊡	•	⊡	\boxdot ^(a)	/dotsquare /boxdot b: small dot in box
U+022BA	Τ	T	Т	Т	Т		Т	$\label{linear} \$	intercal
U+022BB	\vee	V	V	\vee	V		V	\veebar ^(a)	logical or, bar below (large vee); exclusive disjunction
U+022BC	$\overline{\wedge}$	$\overline{\wedge}$	$\overline{\wedge}$	$\overline{\wedge}$	$\overline{\wedge}$		⊼	$\verb \barwedge ^{(a)}$	bar, wedge (large wedge)
U+022BD	$\overline{\vee}$	$\overline{\lor}$	\overline{V}	$\overline{\vee}$	$\overline{\vee}$		$\overline{\lor}$	\barvee	bar, vee (large vee)
U+022C4	♦	\$	\$	♦	\$		⋄	\smwhtdiamond	white diamond
U+0 22 C5	٠	•		٠	٠			$\backslash \mathtt{cdot}^{(p)}$	small middle dot
U+022C6	*	*	*	*	*	*	*	$\operatorname{\mathtt{f star}}^{(p)}$	small star, filled, low
U+022C7	*	*	*	*	*		*	$\verb \divideontimes ^{(a)}$	division on times
U+0 22 C9	×	\bowtie	\bowtie	×	×	×	K	\exists	times sign, left closed
U+022CA	×	×	×	×	×	×	×	${\tt \t rtimes}^{(a)}$	times sign, right closed
U+022CB	\succ	λ	\rightarrow	>	٨		٨	$\verb leftthreetimes ^{(a)}$	left semidirect product
U+0 22 CC	~	/	~	~	*		*	$\verb \rightthreetimes ^{(a)}$	right semidirect product
U+022CE	Υ	Υ	Υ	Υ	Υ	٧	Υ	$\verb \curlyvee ^{(a)}$	curly logical or
U+022CF	人	٨	٨	人	٨	٨	人	$\verb \curlywedge ^{(a)}$	curly logical and
U+022D2		⋒		\square	⋒		M	\Cap ^(a)	/cap /doublecap b: double intersection
U+022D3	U	W	W	U	U		U	\Cup ^(a)	/cup /doublecup b: double union
U+02305	^	⊼	^	^	^			\varbarwedge	/barwedge b: logical and, bar above [projective (bar over small wedge)]
U+02306	<u></u>	⊼	⊼	<u></u>	₹			\vardoublebarwedge	/doublebarwedge b: logical and, double bar above [per- spective (double bar over small wedge)]
U+0233D		Φ						\obar	circle with vertical bar
U+025B3	\triangle	\triangle	Δ	Δ	Δ	Δ	Δ	$\verb \bigtriangleup ^{(p)}$	big up triangle, open

USV	M	S	E	P	D	L	G	Macro	Description
U+025B7	\triangleright	$\verb \triangleright ^{(p)}$	(large) right triangle, open; z notation range restriction						
U+025C1	\triangleleft	\triangleleft	\triangleleft	\triangleleft	\triangleleft	◁	\triangleleft	$\verb \triangleleft ^{(p)}$	(large) left triangle, open; z notation domain restriction
U+025СВ	0	0	0	0		0	0	\mdlgwhtcircle	medium large circle
U+025EB								\boxbar	vertical bar in box
U+027C7		٧						\veedot	or with dot inside
U+027D1		A						\wedgedot	and with dot
U+027E0	\Diamond	\Diamond	\Diamond	♦	♦			\lozengeminus	lozenge divided by horizontal rule
U+027E1	\$	\$	♦	\$	*			\concavediamond	white concave-sided diamond
U+027E2	*	♦	♦	*	*			$\verb \concavediamondtickleft $	white concave-sided diamond with leftwards tick
U+027E3			~	~	*			\concavediamondtickright	white concave-sided diamond with rightwards tick
U+027E4								\whitesquaretickleft	white square with leftwards tick
U+027E5		□						\whitesquaretickright	white square with rightwards tick
U+029B5		\ominus						\circlehbar	circle with horizontal bar
u+029в6		Φ						\circledvert	circled vertical bar
U+029B7		(1)						\circledparallel	circled parallel
u+029в8		\Diamond						\obslash	circled reverse solidus
U+029B9		⊥				①		\operp	circled perpendicular
U+0 2 9C0		\otimes						\olessthan	circled less-than
U+0 2 9C1		\otimes						\ogreaterthan	circled greater-than
U+0 2 9C4								\boxdiag	squared rising diagonal slash
U+0 2 9C5								\boxbslash	squared falling diagonal slash
U+0 2 9C6		*						\boxast	squared asterisk
U+0 2 9C7		0						\boxcircle	squared small circle
U+0 2 9C8								\boxbox	squared square
U+0 2 9CD		\triangle						\triangleserifs	triangle with serifs at bottom
U+029D6		X						\hourglass	white hourglass
U+0 2 9D7		X						\blackhourglass	black hourglass
U+029E2		Ш						\shuffle	shuffle product
u+0 2 9ев		•	♦					\mdlgblklozenge	black lozenge
U+029F5		\	\			\	\	\reversesolidus	reverse solidus
u+0 2 9F6		7				7		\dsol	solidus with overbar
U+029F7		+				7		\rsolbar	reverse solidus with horizontal stroke

USV	M	S	E	Р	D	L	G	Macro	Description
u+029fa		#						\doubleplus	double plus
U+029FB		##						\tripleplus	triple plus
U+029FE		+						\tplus	tiny
U+0 2 9FF		-						\tminus	miny
U+02A22		÷						\ringplus	plus sign with small circle above
U+02A23		Î						\plushat	plus sign with circumflex accent above
U+02A24		Ŧ						\simplus	plus sign with tilde above
U+02A25		÷						\plusdot	plus sign with dot below
U+02A26		ŧ						\plussim	plus sign with tilde below
U+02A27		+2						\plussubtwo	plus sign with subscript two
U+02A28		*						\plustrif	plus sign with black triangle
U+02A29		<u>,</u>						\commaminus	minus sign with comma above
U+02A2A		•						\minusdot	minus sign with dot below
U+02A2B		<u>:-</u>						\minusfdots	minus sign with falling dots
U+02A2C		÷						\minusrdots	minus sign with rising dots
U+02A2D		\oplus						\opluslhrim	plus sign in left half circle
U+02A2E		Ð						\oplusrhrim	plus sign in right half circle
U+02A2F	×	×	×	×	×		×	\vectimes	vector or cross product
U+02A30		×						\dottimes	multiplication sign with dot above
U+02A31		×						\timesbar	multiplication sign with underbar
U+02A32		×						\btimes	semidirect product with bottom closed
U+02A33		*						\smashtimes	smash product
U+02A34		(×						\otimeslhrim	multiplication sign in left half circle
U+02A35		×						\otimesrhrim	multiplication sign in right half circle
U+02A36		$\hat{\otimes}$				ô		\otimeshat	circled multiplication sign with circumflex accent
U+02A37		®						\Otimes	multiplication sign in double circle
u+02a38		\oplus						\odiv	circled division sign
U+02A39		\triangle						\triangleplus	plus sign in triangle
U+02A3A		\triangle						\triangleminus	minus sign in triangle
U+02A3B		\triangle						\triangletimes	multiplication sign in triangle

USV	M	S	Е	Р	D	L	G	Macro	Description
U+02A3C		_						\intprod	interior product
U+02A3D		L						\intprodr	righthand interior product
U+02A3E		9				9		\fcmp	z notation relational composition
U+02A3F	П	П	Ш	П	П	П	П	$\mathtt{ar{amalg}}^{(p)}$	amalgamation or coproduct
U+02A40		Ω						\capdot	intersection with dot
U+02A41		\forall						\uminus	union with minus sign
U+02A42		Ū						\barcup	union with overbar
U+02A43		Ō						\barcap	intersection with overbar
U+02A44		W						\capwedge	intersection with logical and
U+02A45		$ar{f v}$						\cupvee	union with logical or
u+02a46		\cup						\cupovercap	union above intersection
u+02A47		\bigcap						\capovercup	intersection above union
U+02A48		Ŭ						\cupbarcap	union above bar above intersection
U+02A49		0						\capbarcup	intersection above bar above union
U+02A4A		W						\twocups	union beside and joined with union
U+02A4B		\bigcap						\twocaps	intersection beside and joined with intersection
U+02A4C		U						\closedvarcup	closed union with serifs
U+02A4D		Ω						\closedvarcap	closed intersection with serifs
U+02A4E		П						\Sqcap	double square intersection
U+02A4F		Ш						\Sqcup	double square union
U+02A50		₩						\closedvarcupsmashprod	closed union with serifs and smash product
U+02A51		$\dot{\wedge}$						\wedgeodot	logical and with dot above
U+02A52		Ÿ						\veeodot	logical or with dot above
U+02A53		A						\Wedge	double logical and
U+02A54		W						\Vee	double logical or
U+02A55		M						\wedgeonwedge	two intersecting logical and
U+02A56		W						\veeonvee	two intersecting logical or
U+02A57		V						\bigslopedvee	sloping large or
u+02a58		1						\bigslopedwedge	sloping large and
U+02A5A		Λ						\wedgemidvert	logical and with middle stem
U+02A5B		٧						\veemidvert	logical or with middle stem
U+02A5C		A						\midbarwedge	ogical and with horizontal dash

∀	⊼			\midbarvee	lasted assettle basic and 1.1.1
Δ					logical or with horizontal dash
	Λ			$\verb \doublebarwedge ^{(a)}$	logical and with double overbar
	_			\wedgebar	logical and with underbar
≙				\wedgedoublebar	logical and with double underbar
<u>v</u>				\varveebar	small vee with underbar
$\overline{\nabla}$				\doublebarvee	logical or with double overbar
$\underline{\vee}$				\veedoublebar	logical or with double underbar
\triangleleft				\dsub	z notation domain antirestriction
\triangleright				\rsub	z notation range antirestriction
₹				\eqqplus	equals sign above plus sign
≐				\pluseqq	plus sign above equals sign
				\interleave	triple vertical bar binary relation
#				\nhVvert	triple vertical bar with horizontal stroke
:				\threedotcolon	triple colon operator
///				\trslash	triple solidus binary relation
//				\sslash	double solidus operator
0				\talloblong	white vertical bar
	□> > □	□ >	□ >		▼ \doublebarvee ¥ \veedoublebar √dsub \rsub ∓ \eqqplus ± \pluseqq ∭ \interleave # \nhVvert : \threedotcolon // \sslash

13 Ordinary symbols, \mathord

USV	M	S	E	P	D	L	G	Macro	Description
U+00023	#	#	#	#	#	#	#	\mathoctothorpe	number sign
U+00024	\$	\$	\$	\$	\$	\$	\$	\mathdollar	dollar sign
U+00025	%	%	%	%	%	%	%	\mathpercent	percent sign
u+00026	&	&	&	&	&	&	&	\mathampersand	ampersand
U+000 2 E								\mathperiod	full stop, period
U+0002F	/	/	/	/	/	/	/	\mathslash	solidus
U+0003F	?	?	?	?	?	?	;	\mathquestion	question mark
u+00040	0	@	@	@	@	@	@	\mathatsign	commercial at
U+0005C	\	\	\	\	\	\	\	$\begin{subarray}{c} \begin{subarray}{c} \beg$	reverse solidus
U+000A3	£	£	£	£	£	£	£	\mathsterling	pound sign
U+000A5	¥	¥	¥	¥	¥	¥	¥	\mathyen	yen sign
U+000A7	8	§	\$	§	§	§	§	\mathsection	section symbol
U+000AC	\neg	\neg	\neg	\neg	\neg	\neg	\neg	$\lceil neg^{(p)} \rceil$	/neg /lnot not sign
и+000в6	\P	\P	¶	${\mathbb P}$	\P	\P	•	\mathparagraph	paragraph symbol
U+001B5		Z	Z			Z		\Zbar	impedance (latin capital letter z with stroke)
u+003 г 6		Э	Э			Э		\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	/	,	1	1	,	,	,	$\texttt{\backslash prime}^{(\texttt{p})}$	prime or minute, not super- scripted
U+02033	″	"	"	"	"	"	"	\dprime	double prime or second, not superscripted
U+02034	///	<i>'''</i>	<i>III</i>	///	///	<i>m</i>	<i>'''</i>	\trprime	triple prime (not superscripted)
U+02035	\	\	١	١	`	`	V	$\verb \backprime ^{(a)}$	reverse prime, not super- scripted
U+02036	\\\	"	"	**	**	"	W	\backdprime	double reverse prime, not su- perscripted
U+02037	\\\	m	m	***	***	***	***	\backtrprime	triple reverse prime, not super- scripted
u+02038		^						\caretinsert	caret (insertion mark)
U+0203C		!!				!!		\Exclam	double exclamation mark
U+02043		-						\hyphenbullet	rectangle, filled (hyphen bullet)

USV	M	S	Е	P	D	L	G	Macro	Description
U+02047		??				??		\Question	double question mark
U+02057	////	m	<i>IIII</i>	////	<i>IIII</i>	ım	ıııı	\qprime	quadruple prime, not super- scripted
U+020AC	€	€	€	€	€	€	€	\euro	euro sign
U+020DD	\bigcirc	\circ	\bigcirc	0	0		0	\enclosecircle	combining enclosing circle
U+020DE								\enclosesquare	combining enclosing square
U+020DF	\Diamond	\Diamond	\Diamond	\Diamond	\Diamond		\Diamond	\enclosediamond	combining enclosing diamond
U+0 2 0E4	\triangle	\triangle	\triangle	\triangle	\triangle		\triangle	\enclosetriangle	combining enclosing upward pointing triangle
U+0 2 107	3	3	3	3	3		3	\Eulerconst	euler constant
U+0210E	h	h	h	h	h	h	b	\Planckconst	planck constant
U+02127	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mho	conductance
U+02132		E	Е					$\Pinv^{(a)}$	turned capital f
U+0213C	Π	IT	TT	π	Ш		π	\Bbbpi	double-struck small pi
U+0 2 141		Ð	G					$\Game^{(a)}$	turned sans-serif capital g
U+02142		٦						\sansLturned	turned sans-serif capital l
U+0 2 143		٦						\sansLmirrored	reversed sans-serif capital l
U+02144		Х						\Yup	turned sans-serif capital y
U+02145	\mathbb{D}	D	D	D	$I\!\!D$		D	\mitBbbD	double-struck italic capital d
u+02146	ď	d	d	d	a		d	\mitBbbd	double-struck italic small d
u+02147	e	e	@	e	e		e	\mitBbbe	double-struck italic small e
u+02148	Î	Ī	i	ıı́	<u>ı</u>		i	\mitBbbi	double-struck italic small i
u+02149	Ĵ	j	j	j	j		j	\mitBbbj	double-struck italic small j
U+0214A		Φ						\PropertyLine	property line
U+021A8		1				‡	‡	\updownarrowbar	up down arrow with base (perpendicular)
U+021B4	→	\supset	寸	→	↴	\supset	Ţ	\linefeed	rightwards arrow with corner downwards
U+0 2 1B5	4	\downarrow	↓	٢	4	\downarrow	\leftarrow	\carriagereturn	downwards arrow with corner leftward = carriage return
U+021B8		$\overline{\ }$				\overline{K}	匸	\barovernorthwestarrow	north west arrow to long bar
U+0 2 1B9		₩				K	K	\barleftarrowrightarrowbar	leftwards arrow to bar over rightwards arrow to bar
U+021BA	Q	Q	Q	Q	U	U	J	\acwopencirclearrow	anticlockwise open circle arrow
U+021BB	Q	Q	Ö	O	U	U	U	\cwopencirclearrow	clockwise open circle arrow
U+021DE		#				‡	‡	\nHuparrow	upwards arrow with double stroke
U+021DF		‡				#	#	\nHdownarrow	downwards arrow with double stroke

USV	M	S	Е	Р	D	L	G	Macro	Description
U+021E0						←		\leftdasharrow	leftwards dashed arrow
U+021E1		1	1			1	1	\updasharrow	upwards dashed arrow
U+021E2		>	>			>	>	\rightdasharrow	rightwards dashed arrow
U+021E3			į.			↓	↓	\downdasharrow	downwards dashed arrow
U+021E6	⇔	\Leftrightarrow		\Leftrightarrow	\leftarrow	\Leftrightarrow	⇔	\leftwhitearrow	leftwards white arrow
U+021E7	Û	仓	Û	Î	Î	Û	Î	\upwhitearrow	upwards white arrow
U+021E8	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\rightwhitearrow	rightwards white arrow
U+021E9	\uparrow	$\mathring{\mathbb{L}}$	Û	$\hat{\mathbb{I}}$	$\hat{\mathbb{T}}$	Û	${\rm 1}\!$	\downwhitearrow	downwards white arrow
U+021EA		슣				Ŷ	Ŷ	\whitearrowupfrombar	upwards white arrow from bar
U+02200	\forall	A	\forall	\forall	\forall	\forall	\forall	$\forall^{(p)}$	for all
U+02201	С	C	C	С	С	С	С	$\verb \complement ^{(a)}$	complement sign
U+02203	3	3	Э	3	3	3	3	$\texttt{\exists}^{(p)}$	at least one exists
U+02204	∄	∄	∄	∄	∄	∄	∄	\nexists	negated exists
U+02205	Ø	Ø	Ø	Ø	Ø	Ø	Ø	$\verb \varnothing ^{(a)}$	circle, slash
U+02206	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\increment	laplacian (delta; nabla^2)
U+0220E								\QED	end of proof
U+0221A				\checkmark	$\sqrt{}$	$\sqrt{}$	√	$\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$	radical
U+0221E	∞	∞	∞	∞	∞	∞	∞	$ackslash ext{infty}^{(p)}$	infinity
U+0221F	L	L	L	L	L	L	L	\rightangle	right (90 degree) angle
U+02220	_	_	_	_	_	_	_	$\aggle^{(p)}$	angle
U+02221	4	4	∡	4	4	4	×	$\verb \measuredangle ^{(a)}$	angle-measured
U+02222	∢	4	⋖	∢	∢	∢	∢	$\verb \sphericalangle ^{(a)}$	angle-spherical
U+02234	Α	:.	<i>:</i> .		A	.:	<i>i</i> .	$\verb \therefore ^{(a)}$	therefore
U+02235	v	:	::		v	÷	÷	\because ^(a)	because
U+0223F	\sim	\sim	\sim	\sim	\sim	\sim	~	\sinewave	sine wave
U+022A4	Т	Т	Т	Т	Т	Т	т	$ ag{top}^{(p)}$	top
U+022A5	\perp	Τ	\perp	\perp	\perp	\perp	Τ	$ackslash bot^{(p)}$	bottom
U+022B9	+	+	+	+	4-		4-	\hermitmatrix	hermitian conjugate matrix
U+022BE	ightharpoons	Ь	Ь	4	₽		Ь	\measuredrightangle	right angle-measured [with arc]
U+022BF	Δ	Δ	Δ	Δ	Δ		Δ	\varlrtriangle	right triangle
U+022EF								\unicodecdots	three dots, centered
U+02300	Ø	Ø	Ø	Ø	Ø	Ø	Ø	\diameter	diameter sign
U+02302		\triangle						\house	house
U+02310	_	_	_	_	-	_	_	\invnot	reverse not

USV	M	S	E	Р	D	L	G	Macro	Description
U+02311		П						\sqlozenge	square lozenge
U+02312		\cap						\profline	profile of a line
U+02313		Δ						\profsurf	profile of a surface
U+02317		#						\viewdata	viewdata square
U+02319	<u>_</u>	L	L	_	<u> </u>		<u>_</u>	\turnednot	turned not sign
U+02320	ſ	ſ	ſ	ſ	ſ	ſ		\inttop	top half integral
U+02321	J	J	J	J	J	J		\intbottom	bottom half integral
U+0232C		0						\varhexagonlrbonds	six carbon ring, corner down, double bonds lower right etc
U+02332		\triangleright						\conictaper	conical taper
u+02336		I						\topbot	top and bottom
U+0 2 340		+						\APLnotbackslash	apl functional symbol backslash bar
U+02353		\square						\APLboxupcaret	boxed up caret
U+02370		?						\APLboxquestion	boxed question mark
U+0237C		<u>*</u>						\rangledownzigzagarrow	right angle with downwards zigzag arrow
U+02394		\bigcirc						\hexagon	horizontal benzene ring [hexagon flat open]
u+0239в	(((ſ	(\lparenuend	left parenthesis upper hook
U+0239C	1	ı	1	1	1	ı	1	\lparenextender	left parenthesis extension
u+0 23 9D	(l	l	(l	Ţ		\lparenlend	left parenthesis lower hook
U+0239E)))		\rparenuend	right parenthesis upper hook
u+0239F	ī		1	1	1		1	\rparenextender	right parenthesis extension
U+023A0	J	J	J	J	J	J		\rparenlend	right parenthesis lower hook
U+023A1	Γ	ſ	[ſ	ſ	ſ		\lbrackuend	left square bracket upper corner
U+023A2		1	l I	1	1	1	-	\lbrackextender	left square bracket extension
U+023A3	L	l		l	L	L		\lbracklend	left square bracket lower corner

USV	M	S	Е	Р	D	L	G	Macro	Description
U+023A4]	1]	1	1	1		\rbrackuend	right square bracket upper corner
U+023A5		I	1	I	- 1	I		\rbrackextender	right square bracket extension
u+023A6		J]	J	J		\rbracklend	right square bracket lower corner
U+023A7	ſ	ſ	ſ	ſ	ſ	ſ		\lbraceuend	left curly bracket upper hook
U+023A8	{	{	{	{	{	{		\lbracemid	left curly bracket middle piece
U+023A9	Ţ	l	J	ţ	ι			\lbracelend	left curly bracket lower hook
U+023AA	I	I	1	I	1		1	\vbraceextender	curly bracket extension
U+0 2 3AB))))	1)		\rbraceuend	right curly bracket upper hook
U+023AC	}	}	}	}	}	}		\rbracemid	right curly bracket middle piece
U+023AD	J	J	J	J	J	J	J	\rbracelend	right curly bracket lower hook
U+023AE		-1	1	1	1	1		\intextender	integral extension
U+023AF		-	-			-		\harrowextender	horizontal line extension (used to extend arrows)
U+023B2	∇	7	∇	∇	∇			\sumtop	summation top
U+023B3	_	L	_	\angle	_			\sumbottom	summation bottom
U+023B6		H						\bbrktbrk	bottom square bracket over top square bracket
	. 1						1		
U+023B7	\backslash	1	\bigvee	V	1	\setminus		\sqrtbottom	radical symbol bottom
U+023B8								\lvboxline	left vertical box line
U+023B9								\rvboxline	right vertical box line
U+023CE								\varcarriagereturn	return symbol
U+023E0	^				^			\obrbrak	top tortoise shell bracket (mathematical use)
U+023E1	V	J		\smile	V		J	\ubrbrak	bottom tortoise shell bracket (mathematical use)
U+023E2								\trapezium	white trapezium
U+023E3		0						\benzenr	benzene ring with circle

USV	M	S	Е	Р	D	L	G	Macro	Description
U+023E4		_						\strns	straightness
U+023E5								\fltns	flatness
u+023E6		~						\accurrent	ac current
U+023E7		*						\elinters	electrical intersection
U+02422	ъ	ħ	ħ	b	ð			\blanksymbol	blank symbol
U+02423	Ш	_	J	u	ш	ш		\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					88			\blockqtrshaded	25% shaded block
u+02592								\blockhalfshaded	50% shaded block
u+02593					88			\blockthreeqtrshaded	75% shaded block
U+025A0						•		\mdlgblksquare	square, filled
U+025A1								\mdlgwhtsquare	square, open
U+025A2		0						\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		•	•	•	•		٠	\smblksquare	/blacksquare - sq bullet, filled
U+025AB			0	0			0	\smwhtsquare	white small square
U+025AC	-	-	-	-	-		-	\hrectangleblack	black rectangle
U+025AD							0	\hrectangle	horizontal rectangle, open
U+025AE							•	\vrectangleblack	black vertical rectangle
U+025AF							0	\vrectangle	rectangle, white (vertical)
u+025в0								\parallelogramblack	black parallelogram

USV	M	S	Е	P	D	L	G	Macro	Description
U+025B1								\parallelogram	parallelogram, open
U+025B2						A		\bigblacktriangleup	black up-pointing triangle
U+025B4		A	A					$\verb \blacktriangle ^{(a)}$	up triangle, filled
u+025B6					•	•	•	$\verb \blacktriangleright ^{(a)}$	(large) right triangle, filled
u+025B8		•	•					\smallblacktriangleright	right triangle, filled
u+025в9		\triangleright	\triangleright					\smalltriangleright	right triangle, open
U+025BA					•			\blackpointerright	black right-pointing pointer
U+025ВВ		\triangleright						\whitepointerright	white right-pointing pointer
U+025BC	\blacksquare		•	▼	\blacksquare	•	•	\bigblacktriangledown	big down triangle, filled
U+025BD	∇	\bigvee	∇	∇	∇	∇	∇	$\verb \bigtriangledown ^{(p)}$	big down triangle, open
U+025ВЕ		•	•					$\verb \blacktriangledown ^{(a)}$	down triangle, filled
U+025BF		∇	∇					$\verb \triangledown ^{(a)}$	down triangle, open
U+0 2 5C0	•	•	•	•	•	•	•	$\verb \blacktriangleleft ^{(a)}$	(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		\triangleleft						\whitepointerleft	white left-pointing pointer
u+025c6		•	♦			•	•	\mdlgblkdiamond	black diamond
u+025C7		\Diamond	\Diamond			\Diamond	\Diamond	\mdlgwhtdiamond	white diamond; diamond, open
u+025c8								\blackinwhitediamond	white diamond containing black small diamond
u+0 2 5c9						•		\fisheye	fisheye
U+025CA	\Diamond	\Diamond	\Diamond	\Diamond	♦	\Diamond	\Diamond	\mdlgwhtlozenge	lozenge or total mark
U+0 2 5CC		0						\dottedcircle	dotted circle
U+025CD								\circlevertfill	circle with vertical fill
U+025CE		0				0	0	\bullseye	bullseye
U+025CF			•	•	•	•	•	\mdlgblkcircle	circle, filled
U+025D0		•				•	•	\circlelefthalfblack	circle, filled left half [harvey ball]
U+0 2 5D1						•	•	\circlerighthalfblack	circle, filled right half
U+025D2		\bigcirc				•	-	\circlebottomhalfblack	circle, filled bottom half
U+025D3		lacktriangle				•	•	\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

USV	M	S	E	Р	D	L	G	Macro	Description
U+025D7						•	•	\blackrighthalfcircle	right half black circle
U+025D8		•						\inversebullet	inverse bullet
U+025D9		O						\inversewhitecircle	inverse white circle
U+025DA								\invwhiteupperhalfcircle	upper half inverse white circle
U+025DB		\cup						\invwhitelowerhalfcircle	lower half inverse white circle
U+025DC		(\ularc	upper left quadrant circular arc
U+025DD		`						\urarc	upper right quadrant circular arc
U+025DE		J						\lrarc	lower right quadrant circular arc
U+025DF		(\larc	lower left quadrant circular arc
U+025E0		\cap						\topsemicircle	upper half circle
U+025E1		\cup						\botsemicircle	lower half circle
U+025E2		4						\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	0	0	0	0	0	0	0	\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		\triangle						\trianglecdot	triangle with centered dot
U+025ED		lack					1	\triangleleftblack	up-pointing triangle with left half black
U+025EE		1					Λ	\trianglerightblack	up-pointing triangle with right half black
U+025EF	\bigcirc	\bigcirc	0	0			0	\lgwhtcircle	large circle
U+025F0								\squareulquad	white square with upper left quadrant
U+025F1								\squarellquad	white square with lower left quadrant
U+025F2								\squarelrquad	white square with lower right quadrant
U+025F3								\squareurquad	white square with upper right quadrant
u+025F4		0						\circleulquad	white circle with upper left quadrant
U+025F5		0						\circlellquad	white circle with lower left quadrant

USV	M	S	Е	Р	D	L	G	Macro	Description
u+025F6		Θ						\circlelrquad	white circle with lower right quadrant
u+025F7		Φ						\circleurquad	white circle with upper right quadrant
U+025F8								\ultriangle	upper left triangle
u+025F9		\triangle						\urtriangle	upper right triangle
u+025fa		abla						\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			•					\mdsmblksquare	black medium small square
U+025FF		\triangle						\lrtriangle	lower right triangle
U+02605		*	*			*	*	$\begin{tabular}{l} \begin{tabular}{l} tabu$	star, filled
u+02606		\Rightarrow					*	\bigwhitestar	star, open
u+02609		0				•		\astrosun	sun
U+02621		Ζ						\danger	dangerous bend (caution sign)
u+0263в		•				•		\blacksmiley	black smiling face
u+0263c		₩				¢		\sun	white sun with rays
U+0263D		\bigcirc)		\rightmoon	first quarter moon
U+0263E		\mathbb{C}				(\leftmoon	last quarter moon
u+02640		Q				Q		\female	venus, female
U+02642		ð				3		\male	mars, male
U+02660	•	•	•	•	•	^		$\verb \spadesuit ^{(p)}$	spades suit symbol
U+02661	\Diamond	\Diamond	\Diamond	\Diamond	\Diamond	\Diamond		$\verb \heartsuit ^{(p)}$	heart suit symbol
u+02662	\Diamond	\Diamond	\Diamond	\Diamond	\Diamond	\Diamond		$\verb \diamondsuit ^{(p)}$	diamond suit symbol
u+02663	.	♣	*	*	♣	*		$\verb \clubsuit ^{(p)}$	club suit symbol
u+02664	\Diamond	\Diamond	\Diamond	$\langle \hat{a} \rangle$		\Diamond		\varspadesuit	spade, white (card suit)
U+02665	•	•	•	•	•	•		\varheartsuit	filled heart (card suit)
u+02666	♦	•	♦	•	•	•		\vardiamondsuit	filled diamond (card suit)
u+02667	දි	ф	දි	Ç.	₽	æ		\varclubsuit	club, white (card suit)
u+02669		J				٦		\quarternote	music note (sung text sign)
u+0266a	•	•		1	1	>		\eighthnote	eighth note
u+0266в		J				V		\twonotes	beamed eighth notes
U+0266D	þ	b	b	b	b	Ь		$f lat^{(p)}$	musical flat
u+0266e	Ц	4	Ц	þ	Ħ	Ħ		$ar{natural}^{(p)}$	music natural
u+0266f	#	#	#	#	#	#		$\sharp^{(p)}$	musical sharp

USV	M	S	Е	Р	D	L	G	Macro	Description
u+0267E		\otimes					∞	\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		\odot						\circledrightdot	white circle with dot right
u+02687		\odot						\circledtwodots	white circle with two dots
u+02688		•						\blackcircledrightdot	black circle with white dot right
u+02689		•						\blackcircledtwodots	black circle with two white dots
U+026A5		₫				₫		\Hermaphrodite	male and female sign
u+026aa		0	0					\mdwhtcircle	medium white circle
u+026ав		•	•					\mdblkcircle	medium black circle
u+026ac		0	0			0		\mdsmwhtcircle	medium small white circle
u+026в2		Ρ						\neuter	neuter
U+02713	\checkmark	✓	\checkmark	\checkmark	\checkmark			\checkmark	tick, check mark
U+02720	¥	4	*	¥	#			\maltese	maltese cross
U+0272A		•						\circledstar	circled white star
u+02736		*						\varstar	six pointed black star
U+0273D		*						\dingasterisk	heavy teardrop-spoked asterisk
u+0 27 9в		→						\draftingarrow	right arrow with bold head (drafting)
U+027C0		L						\threedangle	three dimensional angle
U+0 27 C1								\whiteinwhitetriangle	white triangle containing small white triangle
U+027C3		©						\subsetcirc	open subset
U+027C4		<u></u>						\supsetcirc	open superset
U+027СВ		/	/					$ extsf{\diagup}^{(a)}$	mathematical rising diagonal
U+027CD		\	\					$\verb \diagdown ^{(a)}$	mathematical falling diagonal
U+0 27 D0		\Diamond						\diamondcdot	white diamond with centred dot
U+0292B		×						\rdiagovfdiag	rising diagonal crossing falling diagonal
U+0 292 C		×						\fdiagovrdiag	falling diagonal crossing rising diagonal
U+0292D		X						\seovnearrow	south east arrow crossing north east arrow

USV	M	S	E	P	D	L	G	Macro	Description
U+0292E		X						\neovsearrow	north east arrow crossing south east arrow
U+0292F		X						\fdiagovnearrow	falling diagonal crossing north east arrow
U+02930		X						\rdiagovsearrow	rising diagonal crossing south east arrow
U+02931		X						\neovnwarrow	north east arrow crossing north west arrow
U+02932		X						\nwovnearrow	north west arrow crossing north east arrow
U+02934		♪	٢					\uprightcurvearrow	arrow pointing rightwards then curving upwards
U+02935		→	\supset					\downrightcurvedarrow	arrow pointing rightwards then curving downwards
u+02981		•	•					\mdsmblkcircle	z notation spot
U+02999		i						\fourvdots	dotted fence
u+0299A		}						\vzigzag	vertical zigzag line
u+0 2 99в		Δ						\measuredangleleft	measured angle opening left
u+0 2 99C		Ł						\rightanglesqr	right angle variant with square
U+0299D		⊾						\rightanglemdot	measured right angle with dot
U+0299E		∠ s						\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		7						\turnangle	turned angle
U+029A3		7						\revangle	reversed angle
U+029A4		∠						\angleubar	angle with underbar
U+029A5		<u> </u>						\revangleubar	reversed angle with underbar
u+029A6		_						\wideangledown	_
U+029A7		_						\wideangleup	oblique angle opening up
u+029A8		 ₫						\measanglerutone	oblique angle opening down measured angle with open arm ending in arrow pointing up and right
u+029A9		Ā						\measanglelutonw	measured angle with open arm ending in arrow pointing up and left
U+029AA		爻						\measanglerdtose	measured angle with open arm ending in arrow pointing down and right
U+029AB		¥						\measangleldtosw	measured angle with open arm ending in arrow pointing down and left

USV	M	S	Е	P	D	L	G	Macro	Description
U+029AC		⋫						\measangleurtone	measured angle with open arm ending in arrow pointing right and up
u+029AD		4						\measangleultonw	measured angle with open arm ending in arrow pointing left and up
U+0 2 9AE		Þ _s						\measangledrtose	measured angle with open arm ending in arrow pointing right and down
u+029af		4						\measangledltosw	measured angle with open arm ending in arrow pointing left and down
u+029в0		Ø						\revemptyset	reversed empty set
U+029B1		$\overline{\varnothing}$						\emptysetobar	empty set with overbar
U+029B2		Ø						\emptysetocirc	empty set with small circle above
и+029в3		Ø						\emptysetoarr	empty set with right arrow above
u+0 2 9B4		Ø						\emptysetoarr1	empty set with left arrow above
u+029BA		\oplus				\oplus		\obot	circle divided by horizontal bar and top half divided by vertical bar
u+029вв		\boxtimes						\olcross	circle with superimposed x
u+029вс		⊗						\odotslashdot	circled anticlockwise-rotated division sign
U+029BD		Ф						\uparrowoncircle	up arrow through circle
u+029ве		0						\circledwhitebullet	circled white bullet
U+029BF		•						\circledbullet	circled bullet
U+029C2		00						\cirscir	circle with small circle to the right
U+029C3		0=						\cirE	circle with two horizontal strokes to the right
U+0 2 9C9		由						\boxonbox	two joined squares
U+0 2 9CA		$\dot{\triangle}$						\triangleodot	triangle with dot above
u+0 2 9Св		\triangle						\triangleubar	triangle with underbar
U+0 2 9CC		<u>∕</u> s∖						\triangles	s in triangle
U+029DC		\sim						\iinfin	incomplete infinity
U+029DD		&						\tieinfty	tie over infinity
U+029DE		\$						\nvinfty	infinity negated with vertical bar
U+0 2 9E0								\laplac	square with contoured outline
u+0 2 9E7		‡						\thermod	thermodynamic
u+029E8		V						\downtriangleleftblack	down-pointing triangle with left half black

USV	M	S	E	P	D	L	G	Macro	Description
U+029E9		T						\downtrianglerightblack	down-pointing triangle with right half black
U+029EA		•						\blackdiamonddownarrow	black diamond with down
U+029EC		Q						\circledownarrow	white circle with down arrow
U+029ED		•						\blackcircledownarrow	black circle with down arrow
U+029EE		Φ						\errbarsquare	error-barred white square
U+0 2 9EF		•						\errbarblacksquare	error-barred black square
U+0 2 9F0		፟						\errbardiamond	error-barred white diamond
U+0 2 9F1		₹						\errbarblackdiamond	error-barred black diamond
U+029F2		Φ						\errbarcircle	error-barred white circle
U+029F3		₫						\errbarblackcircle	error-barred black circle
U+02AE1		s						\perps	perpendicular with s
U+02AF1		Î						\topcir	down tack with circle below
U+02B12								\squaretopblack	square with top half black
U+02B13								\squarebotblack	square with bottom half black
U+0 2 B14								\squareurblack	square with upper right diagonal half black
U+02B15								\squarellblack	square with lower left diagonal half black
U+02B16		lack						\diamondleftblack	diamond with left half black
U+02B17								\diamondrightblack	diamond with right half black
U+02B18		\Diamond						\diamondtopblack	diamond with top half black
U+0 2 B19		\rightarrow						\diamondbotblack	diamond with bottom half black
U+02B1A								\dottedsquare	dotted square
U+02B1B								\lgblksquare	black large square
U+02B1C								\lgwhtsquare	white large square
U+02B1D		•	•					\vysmblksquare	black very small square
U+02B1E		0	0					\vysmwhtsquare	white very small square
U+02B1F								\pentagonblack	black pentagon
U+02B20		\bigcirc						\pentagon	white pentagon
U+02B21		0						\varhexagon	white hexagon
U+02B22		•						\varhexagonblack	black hexagon
U+02B23		•						\hexagonblack	horizontal black hexagon
U+02B24								\lgblkcircle	black large circle
U+02B25		•	♦					\mdblkdiamond	black medium diamond
u+02B26		\Diamond	\Diamond					\mdwhtdiamond	white medium diamond

USV	M	S	Е	Р	D	L	G	Macro	Description
U+02B27		•	•					\mdblklozenge	black medium lozenge
U+02B28		♦	\Diamond					\mdwhtlozenge	white medium lozenge
U+02B29		•	•					\smblkdiamond	black small diamond
U+02B2A		•	•					\smblklozenge	black small lozenge
U+02B2B		♦	♦					\smwhtlozenge	white small lozenge
U+02B2C		•						\blkhorzoval	black horizontal ellipse
U+02B2D		0						\whthorzoval	white horizontal ellipse
U+02B2E		•						\blkvertoval	black vertical ellipse
U+02B2F		0						\whtvertoval	white vertical ellipse
U+02B50		$\stackrel{\wedge}{\Rightarrow}$						\medwhitestar	white medium star
U+02B51		*						\medblackstar	black medium star
U+02B52		*						\smwhitestar	white small star
U+02B53								\rightpentagonblack	black right-pointing pentagon
U+02B54		\Diamond						\rightpentagon	white right-pointing pentagon
U+03012		₹						\postalmark	postal mark
u+03030		~~						\hzigzag	zigzag
U+1D7CE	0	0	0	0	0	0	0	\mbfzero	mathematical bold digit o
U+1D7CF	1	1	1	1	1	1	1	\mbfone	mathematical bold digit 1
U+1D7D0	2	2	2	2	2	2	2	\mbftwo	mathematical bold digit 2
U+1D7D1	3	3	3	3	3	3	3	\mbfthree	mathematical bold digit 3
U+1D7D2	4	4	4	4	4	4	4	\mbffour	mathematical bold digit 4
U+1D7D3	5	5	5	5	5	5	5	\mbffive	mathematical bold digit 5
U+1D7D4	6	6	6	6	6	6	6	\mbfsix	mathematical bold digit 6
U+1D7D5	7	7	7	7	7	7	7	\mbfseven	mathematical bold digit 7
u+1D7D6	8	8	8	8	8	8	8	\mbfeight	mathematical bold digit 8
U+1D7D7	9	9	9	9	9	9	9	\mbfnine	mathematical bold digit 9
U+1D7D8	0	0	0	0	0	0	0	\Bbbzero	mathematical double-struck digit o
U+1D7D9	1	1	1	1	1	1	1	\Bbbone	mathematical double-struck digit 1
u+1D7DA	2	2	2	2	2	2	2	\Bbbtwo	mathematical double-struck digit 2
U+1D7DB	3	3	3	3	3	3	3	\Bbbthree	mathematical double-struck digit 3
U+1D7DC	4	4	4	4	4	4	4	\Bbbfour	mathematical double-struck digit 4
U+1D7DD	5	5	5	5	5	5	5	\Bbbfive	mathematical double-struck digit 5

USV	M	S	E	P	D	L	G	Macro	Description
U+1D7DE	6	6	6	6	6	6	6	\Bbbsix	mathematical double-struck digit 6
U+1D7DF	7	7	7	7	7	7	7	\Bbbseven	mathematical double-struck digit 7
U+1D7E0	8	8	8	8	8	8	8	\Bbbeight	mathematical double-struck digit 8
U+1D7E1	9	9	9	9	9	9	9	\Bbbnine	mathematical double-struck digit 9
U+1D7E2	0	0	0	0	0	0	0	\msanszero	mathematical sans-serif digit o
U+1D7E3	1	1	1	1	1	1	1	\msansone	mathematical sans-serif digit 1
U+1D7E4	2	2	2	2	2	2	2	\msanstwo	mathematical sans-serif digit 2
U+1D7E5	3	3	3	3	3	3	3	\msansthree	mathematical sans-serif digit 3
u+1D7E6	4	4	4	4	4	4	4	\msansfour	mathematical sans-serif digit 4
U+1D7E7	5	5	5	5	5	5	5	\msansfive	mathematical sans-serif digit 5
U+1D7E8	6	6	6	6	6	6	6	\msanssix	mathematical sans-serif digit 6
U+1D7E9	7	7	7	7	7	7	7	\msansseven	mathematical sans-serif digit 7
U+1D7EA	8	8	8	8	8	8	8	\msanseight	mathematical sans-serif digit 8
U+1D7EB	9	9	9	9	9	9	9	\msansnine	mathematical sans-serif digit 9
U+1D7EC	0	0	0	0	0	0	0	\mbfsanszero	mathematical sans-serif bold digit o
U+1D7ED	1	1	1	1	1	1	1	\mbfsansone	mathematical sans-serif bold digit 1
U+1D7EE	2	2	2	2	2	2	2	\mbfsanstwo	mathematical sans-serif bold digit 2
U+1D7EF	3	3	3	3	3	3	3	\mbfsansthree	mathematical sans-serif bold digit 3
U+1D7F0	4	4	4	4	4	4	4	\mbfsansfour	mathematical sans-serif bold digit 4
U+1D7F1	5	5	5	5	5	5	5	\mbfsansfive	mathematical sans-serif bold digit 5
U+1D7F2	6	6	6	6	6	6	6	\mbfsanssix	mathematical sans-serif bold digit 6
U+1D7F3	7	7	7	7	7	7	7	\mbfsansseven	mathematical sans-serif bold digit 7
U+1D7F4	8	8	8	8	8	8	8	\mbfsanseight	mathematical sans-serif bold digit 8
U+1D7F5	9	9	9	9	9	9	9	\mbfsansnine	mathematical sans-serif bold digit 9
u+1D7F6	0	0	0	0	0	0	0	\mttzero	mathematical monospace digit
U+1D7F7	1	1	1	1	1	1	1	\mttone	mathematical monospace digit
U+1D7F8	2	2	2	2	2	2	2	\mtttwo	mathematical monospace digit
U+1D7F9	3	3	3	3	3	3	3	\mttthree	mathematical monospace digit

M	S	E	Р	D	L	G	Macro	Description
4	4	4	4	4	4	4	\mttfour	mathematical monospace digit 4
5	5	5	5	5	5	5	\mttfive	mathematical monospace digit 5
6	6	6	6	6	6	6	\mttsix	mathematical monospace digit 6
7	7	7	7	7	7	7	\mttseven	mathematical monospace digit 7
8	8	8	8	8	8	8	\mtteight	mathematical monospace digit 8
9	9	9	9	9	9	9	\mttnine	mathematical monospace digit 9
	4 5 6 7 8	4 4 5 5 6 6 7 7 8 8 8	4 4 4 5 5 5 6 6 6 7 7 7 8 8 8	4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8	4 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 8 8 8 8	4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 6 6 6 6 6 6 6 7 7 7 7 7 7 8 8 8 8 8 8	4 4	4 4 4 4 4 4 \mathbb{httfour} 5 5 5 5 5 5 5 \mathbb{httfive} 6 6 6 6 6 6 6 6 6 \mathbb{httsix} 7 7 7 7 7 7 7 7 \mathbb{httsix} 8 8 8 8 8 8 8 8 \mathbb{htteight}

14 Relation symbols, \mathrel

USV	M	S	E	P	D	L	G	Macro	Description
u+0003c	<	<	<	<	<	<	<	\less	less-than sign r:
U+0003D	=	=	=	=	=	=	=	\equal	equals sign r:
U+0003E	>	>	>	>	>	>	>	\greater	greater-than sign r:
U+02050		\Box						\closure	close up
U+0 2 190	\leftarrow	←	←	←	\leftarrow	←	←	$\label{leftarrow} \$	/leftarrow /gets a: leftward arrow
U+02191	\uparrow	↑	1	1	1	↑	↑	$\mathtt{ar{u}parrow}^{(\mathrm{p})}$	upward arrow
U+02192	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	$\verb \rightarrow ^{(p)}$	/rightarrow /to a: rightward arrow
U+02193	\downarrow	\downarrow	\downarrow	\downarrow	\downarrow	\downarrow	\downarrow	$\verb \downarrow ^{(p)}$	downward arrow
u+02194	\leftrightarrow	\leftrightarrow	\longleftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	\leftrightarrow	$\verb \label{leftrightarrow } $	left and right arrow
U+02195	\(\)	\(\)	1	1	1	‡	\$	$\verb \updownarrow ^{(p)}$	up and down arrow
u+02196	_			Κ,			Κ,	$\mathtt{ar{n}warrow}^{(\mathrm{p})}$	nw pointing arrow
U+02197	7	1	1	7		7	7	$\mathtt{ar{n}earrow}^{(\mathrm{p})}$	ne pointing arrow
u+02198	×	>	\	7	>	7	\searrow	extstyle ext	se pointing arrow
U+02199	~	1	/	✓	/	✓	✓	$\verb \swarrow ^{(p)}$	sw pointing arrow
u+0219A	//	↔	←	←	↔	↔	↔	$\nleftarrow^{(a)}$	not left arrow
u+0219в	$ \leftrightarrow $	$ \leftrightarrow $	<i>→</i> →	<i>→</i> >	/ →	<i>→</i> >	<i>→</i>	$\verb \nrightarrow ^{(a)}$	not right arrow
U+0219C		K ~				<∽	K ^	\leftwavearrow	left arrow-wavy
U+0219D		~				<i>→</i>	\sim	\rightwavearrow	right arrow-wavy
U+0219E	«-	~~	~~	«	~	«-	«-	$\verb \twoheadleftarrow ^{(a)}$	left two-headed arrow
U+0219F	*	†	†	†	↑	†	†	\twoheaduparrow	up two-headed arrow
U+021A0	<i>→</i>	→	→			→	→	$\verb \twoheadrightarrow ^{(a)}$	right two-headed arrow
U+021A1	\$	\$	ŧ	\$	↓	\$	\$	\twoheaddownarrow	down two-headed arrow
U+021A2	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	left arrow-tailed
U+021A3	\rightarrowtail	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	$\verb \rightarrowtail ^{(a)}$	right arrow-tailed
U+021A4	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\mapsfrom	maps to, leftward
U+021A5	1	1	1	1	1	1	1	\mapsup	maps to, upward
u+021A6	\mapsto	\mapsto	\mapsto	\mapsto	\mapsto	\mapsto	\mapsto	$\mbox{\tt mapsto}^{(p)}$	maps to, rightward
U+021A7	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	Ţ	\mapsdown	maps to, downward
U+021A9	\leftarrow	\leftarrow	←	←	\leftarrow	\leftarrow	\leftarrow	$\verb \hookleftarrow ^{(p)}$	left arrow-hooked
U+021AA	\hookrightarrow	\hookrightarrow	\hookrightarrow	\hookrightarrow	\hookrightarrow	\hookrightarrow	\hookrightarrow	$\verb \hookrightarrow ^{(p)}$	right arrow-hooked
U+021AB	\leftarrow	₽	÷₽	↔	←P	↔	↔	$\verb \looparrowleft ^{(a)}$	left arrow-looped
U+021AC	\rightarrow	9→	9→	9→	9→	↔	9→	$\verb \looparrowright ^{(a)}$	right arrow-looped

USV	M	S	E	P	D	L	G	Macro	Description
U+021AD	{ \}	₩	***	€V>	₩	<>→	↔	\leftrightsquigarrow ^(a)	left and right arr-wavy
U+021AE		↔	↔	↔	↔	₩	↔	$\verb \nleftrightarrow ^{(a)}$	not left and right arrow
U+021AF		Ź				4	4	\downzigzagarrow	downwards zigzag arrow
U+021B0	\forall	4	1	4	Í	4	4	$ackslash ext{Lsh}^{(a)}$	/lsh a:
U+021B1	Þ	7	ľ	۲	ř	1	7	ackslash(a)	/rsh a:
U+021B2	\forall	Ą	٦	4	4	4	4	\Ldsh	left down angled arrow
U+021B3	4	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	\Rdsh	right down angled arrow
U+021B6	N	$ \leftarrow $		~	S	\sim	\sim	$\verb \curvearrowleft ^{(a)}$	left curved arrow
U+021B7	a	\Diamond	\bigcirc	~	\sim	\curvearrowright	\Diamond	$\verb \curvearrowright ^{(a)}$	right curved arrow
U+021BC	_	_	_	_	_	_	_	$\verb leftharpoonup ^{(p)}$	left harpoon-up
U+021BD	$\overline{}$	\leftarrow		<u> </u>		<u></u>		$\verb \label{leftharpoondown} $	left harpoon-down
U+021BE	1	1	1	1	1	1	1	$\verb \upharpoonright ^{(a)}$	/upharpoonright /restriction a: up harpoon-right
U+021BF	1	1	1	1	1	1	1	$\verb \upharpoonleft ^{(a)}$	up harpoon-left
U+0 2 1C0		_	_	_		_		$\verb \rightharpoonup ^{(p)}$	right harpoon-up
U+021C1	$\overline{}$	\rightarrow	\rightarrow	\rightarrow	$\overline{}$	\rightarrow	_	$\verb \rightharpoondown ^{(p)}$	right harpoon-down
U+021C2	ļ	ļ	ļ	l	l	ļ	Į.	$\verb \downharpoonright ^{(\texttt{a})}$	down harpoon-right
U+021C3	1	1	1	1	1	1	1	$\verb \downharpoonleft ^{(a)}$	down harpoon-left
U+021C4	ightleftarrow	\rightleftarrows	\rightleftharpoons	\rightleftharpoons	\rightleftarrows	\leftrightarrows	\rightleftarrows	$\verb \rightleftarrows ^{(a)}$	right arrow over left arrow
U+021C5	$\uparrow \downarrow$	$\uparrow\downarrow$	1 ↓	↑↓	$\uparrow\downarrow$	1	$\uparrow\downarrow$	\updownarrows	up arrow, down arrow
u+021c6	\leftrightarrows	\leftrightarrows	⇆	≒	\leftrightarrows	\rightleftharpoons	\leftrightarrows	$\verb \label{leftrightarrows } $	left arrow over right arrow
U+021C7	\rightleftharpoons	⊭	⊭	⇇	\rightleftharpoons	⊭	⊭	$\verb \leftleftarrows ^{(a)}$	two left arrows
U+021C8	$\uparrow\uparrow$	$\uparrow\uparrow$	11	1 1	$\uparrow\uparrow$	$\uparrow\uparrow$	$\uparrow\uparrow$	$\verb \upuparrows ^{(a)}$	two up arrows
U+0 2 1C9	\Rightarrow	\Rightarrow	⇒	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	$\verb \rightrightarrows ^{(a)}$	two right arrows
U+021CA	$\downarrow \downarrow$	$\downarrow \downarrow$	$\downarrow \downarrow$	$\downarrow\downarrow$	$\downarrow\downarrow$	$\downarrow \downarrow$	$\downarrow \downarrow$	$\verb \downdownarrows ^{(a)}$	two down arrows
U+021CB	\leftrightharpoons	\rightleftharpoons	\rightleftharpoons	\leftrightharpoons	$\stackrel{\longleftarrow}{\Longrightarrow}$	\leftrightharpoons	\leftrightharpoons	$\verb \label{leftrightharpoons} (a)$	left harpoon over right
U+021CC	\rightleftharpoons	\rightleftharpoons	\rightleftharpoons	\rightleftharpoons	\rightleftharpoons	\rightleftharpoons	\rightleftharpoons	$\verb \rightleftharpoons ^{()}$	right harpoon over left
U+021CD	#	#	#	#	#	#	#	$\verb \nLeftarrow ^{(a)}$	not implied by
U+021CE	#	#	⇔	#	#	⇔	#	$\verb \nLeftrightarrow ^{(a)}$	not left and right double arrows
U+021CF	#	≠ >	≠ >	#	#	\Rightarrow	\Rightarrow	$\verb \nRightarrow ^{(a)}$	not implies
U+021D0	=	\(=	(=	⇐	=	←	$\verb \Leftarrow ^{(p)}$	is implied by
U+021D1	\uparrow	\uparrow	\uparrow	\uparrow	1	\uparrow	\uparrow	\Uparrow ^(p)	up double arrow
U+021D2	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	$\verb \Rightarrow ^{(p)}$	implies
U+021D3	\Downarrow	\Downarrow	\downarrow	\Downarrow	\Downarrow	\downarrow	\downarrow	$\verb \Downarrow ^{(p)}$	down double arrow
U+021D4	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	⇔	$ackslash ext{Leftrightarrow}^{(ext{p})}$	left and right double arrow

U+02106 No. No. No. Nearrow ne pointing double arrow U+02107 Image: Common sepoint of the pointing of the poi	USV	M	S	E	P	D	L	G	Macro	Description
U+02107	U+021D5	\$			1	1	\$	\$	$\verb \Updownarrow ^{(p)}$	up and down double arrow
U+02108 N N NSearrow se pointing double arrow U+02109 √ √ √ √ NSwarrow sey pointing double arrow U+0210A ← ← ← ← ← ← Left tarrow left triple arrow U+021D0 → → → ← Left squigarrow leftwards squiggle arrow U+021D1 → → → → Left squigarrow leftwards arrow to bar U+021E4 ← → → Arightarrow leftwards arrow to bar U+021E5 → → → Arightarrow rightwards arrow to bar U+021E7 → → → Arightarrow downwards arrow with small circle arrow U+021E7 → → → Arightarrow downwards arrow with wert stroke U+021E8 → → → Arightarrow leftwards arrow with downwrith wert stroke U+021E9 → → → Arightarrow leftwards arrow with downwrith wert stroke <t< td=""><td>U+021D6</td><td></td><td></td><td>V</td><td>7</td><td></td><td></td><td></td><td>\Nwarrow</td><td>nw pointing double arrow</td></t<>	U+021D6			V	7				\Nwarrow	nw pointing double arrow
U+02109	U+021D7	1	1	1	1		1	1	\Nearrow	ne pointing double arrow
U+021DA ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	U+021D8		Ø	4	<i>\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ </i>				\Searrow	se pointing double arrow
U+021PB	U+021D9	1	4	4	4		1	1	\Swarrow	sw pointing double arrow
U+021D0	U+021DA	#	€				⇐	=	$\verb \Lleftarrow ^{(a)}$	left triple arrow
U+021D	U+021DB	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	$\verb \Rrightarrow ^{(\texttt{a})}$	right triple arrow
U+021E4	U+021DC	₩	₩-	***	₩.	₩	₩	← ~~	\leftsquigarrow	leftwards squiggle arrow
U+021F5 →	U+021DD	^>	₩	~ →	^	^	^>	~ >	$\verb \rightsquigarrow ^{(a)}$	rightwards squiggle arrow
U+021F4	U+021E4		⊬				⊬	₩	\barleftarrow	leftwards arrow to bar
U+021F5	U+021E5		\rightarrow				\rightarrow	\rightarrow I	\rightarrowbar	rightwards arrow to bar
U+021F6 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	U+021F4		-0)				->>	↔	\circleonrightarrow	right arrow with small circle
U+021F7	U+021F5	\	↓ ↑	↓ ↑	1 1	1 1	\$	\	\downuparrows	downwards arrow leftwards of upwards arrow
U+021F8 U+021FB White the stroke strok	U+021F6	\Rightarrow	⇉	⇉	ightharpoons	\rightrightarrows	$ \vec{\Rightarrow} $	ightrightarrows	\rightthreearrows	three rightwards arrows
U+021F9	u+021F7		\				(+	<+-	\nvleftarrow	leftwards arrow with vertical stroke
U+021FA	u+021f8		\rightarrow				→	\rightarrow	\nvrightarrow	rightwards arrow with vertical stroke
U+021FB	U+021F9		↔				↔	↔	\nvleftrightarrow	left right arrow with vertical stroke
U+021FC W	U+021FA		< -				(-	(-	\nVleftarrow	leftwards arrow with double vertical stroke
U+021FD ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	U+021FB		 >				₩	- →	\nVrightarrow	rightwards arrow with double vertical stroke
	U+0 2 1FC		↔				()	()	\nVleftrightarrow	left right arrow with double vertical stroke
	U+021FD		←				←	←	\leftarrowtriangle	leftwards open-headed arrow
	U+021FE		\rightarrow				\rightarrow	\rightarrow	\rightarrowtriangle	rightwards open-headed arrow
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	U+021FF		\leftrightarrow				\Leftrightarrow	\leftrightarrow	\leftrightarrowtriangle	left right open-headed arrow
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	U+02208	\in	€	€	\in	€	∈	€	$\operatorname{ imes}^{(p)}$	set membership, variant
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	U+02209	∉	∉	∉	∉	∉	∉	∉	$\operatorname{\setminus notin}^{(I)}$	negated set membership
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	U+0220A	€	€	€	€	€	€	€	\smallin	set membership (small set membership)
U+0220D \Rightarrow \Rightarrow \Rightarrow \Rightarrow \Rightarrow \smallni \ni	U+0220B	∋	∋	Э	\ni	∋	∋	€	$\ni^{(p)}$	contains, variant
	U+0220C	∌	∌	∌	∌	∌	∌	∌	\nni	negated contains, variant
77 London	U+0220D	∋	Э	Э	∋	∋	Э	Э	\smallni	/ni /owns r: contains (small contains as member)
	U+0221D	\propto	œ	\propto	\propto	α	\propto	∝	\P	is proportional to
/mid r:	U+02223		1	-	1				$\mbox{\mbox{\it mid}}^{(p)}$	/mid r:

USV	M	S	E	P	D	L	G	Macro	Description
U+02224	ł	ł	ł	ł	ł	ł	ł	$\mbox{\tt nmid}^{(a)}$	negated mid
U+02225		II						$\mathbf{parallel}^{(p)}$	parallel
U+02226	#	#	#	¥	¥	#	ł	$\verb \nparallel ^{(a)}$	not parallel
U+02236	:	:	:	:	:	:	:	\mathratio	ratio
U+02237	::	::	::	::	::	::	::	\Colon	two colons
U+02239	-:	-:	-:	-:	-:	-:	-:	\dashcolon	excess (-:)
U+0223A	∺	∺	H	$ \vdots $	$ \vdots $	∺	H	\dotsminusdots	minus with four dots, geometric properties
U+0223B	$\dot{\sim}$	∻	∻	÷	÷	÷	∻	\kernelcontraction	homothetic
U+0223C	\sim	~	~	~	~	~	~	$\operatorname{\sc \sim}^{(p)}$	similar
U+0223D	~	\sim	~	~	~	~	~	$\verb \backsim ^{(a)}$	reverse similar
U+02241	~	~	~	4	~	*	4	$\nsim^{(a)}$	not similar
U+02242	$\overline{\sim}$	$\overline{\sim}$	≂	≂	≂	≂	≂	$\operatorname{\mathtt{f Veqsim}}^{(\mathtt{a})}$	equals, similar
U+02243	\simeq	\simeq	~	~	~	~	~	$\sl_p(p)$	similar, equals
U+02244	*	≄	≄	#	≄	≄	≠	\nsime	not similar, equals
U+02243	\simeq	\simeq	~	~	~	~	~	\sime	similar, equals (alias)
U+02244	*	≄	≄	#	≄	≄	≠	\nsimeq	not similar, equals (alias)
U+02245	\cong	\cong	≅	\cong	≅	≅	≅	$\backslash {\tt cong}^{(l)}$	congruent with
U+0 224 6	≆	\cong	≆	≆	≆	≆	≆	\simneqq	similar, not equals [vert only for 9573 entity]
U+02247	≇	≇	≇	≇	≇	≇	≇	$\ncong^{(a)}$	not congruent with
U+02248	\approx	\approx	≈	≈	≈	≈	≈	$\texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \ \ $	approximate
U+02249	≉	*	≉	*	≉	≉	*	\napprox	not approximate
U+0224A	≊	≊	≊	≊	≊	≊	≊	$\verb \approxeq ^{(\texttt{a})}$	approximate, equals
U+0224B	≋	≋	≋	≋	≋	≋	≋	\approxident	approximately identical to
U+0 22 4C	\cong	\cong	≌	\cong	≌	\cong	≅	\backcong	all equal to
U+0224D	\simeq	\simeq	\approx	\approx	\approx	\simeq	×	$\texttt{\normalfont{Asymp}}^{(p)}$	asymptotically equal to
U+0224E	≎	=	\$	\$	=		\$	$\verb \Bumpeq ^{(\texttt{a})}$	bumpy equals
U+0224F	<u>~</u>	=	~	<u>~</u>	~		<u></u>	$\mathbf{bumpeq}^{(a)}$	bumpy equals, equals
U+02250	÷	÷	÷	÷	÷	÷	≐	$\dot{q}^{(l)}$	equals, single dot above
U+02251	÷	÷	÷	÷	÷	≑	÷	$\mathtt{f Doteq}^{(\mathtt{a})}$	/doteqdot /doteq r: equals, even dots
U+02252	≒	≒	≒	≒	≒	≒	≒	$\verb \fallingdotseq ^{(a)}$	equals, falling dots
U+0 22 53	≓	≓	≓	≓	≓	≓	≓	$\verb \risingdotseq ^{(a)}$	equals, rising dots
U+02254	:=	:=	:=	:=	:=	:=	:=	\coloneq	colon, equals
U+02255	=:	=:	=:	=:	=:	=:	=:	\eqcolon	equals, colon

USV	M	S	E	P	D	L	G	Macro	Description
U+02256	-0-	•	<u>=</u>	ш	ш	<u> </u>	#	\eqcirc ^(a)	circle on equals sign
U+02257	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>	<u>•</u>		$\c \c \$	circle, equals
U+02258	\cong	$\widehat{=}$	≘	≘	≘	=		\arceq	arc, equals; corresponds to
U+02259	<u>^</u>	<u></u>	<u>^</u>	<u>^</u>	<u>^</u>	<u>^</u>		\wedgeq	corresponds to (wedge, equals)
U+0225A	<u>~</u>	<u>×</u>	<u></u>	<u>~</u>	≚	<u>~</u>		\veeeq	logical or, equals
U+0225B	*	*	<u>*</u>	*	*	*		\stareq	star equals
U+0225C	<u>Δ</u>	≜	≜	$\stackrel{\Delta}{=}$	<u>Δ</u>	<u>A</u>		$\verb \triangleq ^{(a)}$	triangle, equals
U+0225D	def	<u>def</u>	def	def =	def	def		\eqdef	equals by definition
U+0225E	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>		\measeq	measured by (m over equals)
U+0225F	?	?	?	?	?	<u>?</u>		\questeq	equal with questionmark
U+02260	#	\neq	#	#	#	≠	≠	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	/ne /neq r: not equal
U+02261	≡	≡	≡	≡	=	=	≡	$\texttt{\setminus equiv}^{(p)}$	identical with
U+02262	#	≢	#	≢	#	≢	≢	\nequiv	not identical with
U+02263	≡	≡	≡	≣	≣	≡	≡	\Equiv	strict equivalence (4 lines)
U+02264	\leq	\leq	≤	\leq	≤	\leq	≤	${f lack}{f lack}{lack}{f lack}{f lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{lack}{l$	/leq /le r: less-than-or-equal
U+02265	\geq	<u>></u>	≥	≥	≥	>	≥	$\geq^{(p)}$	/geq /ge r: greater-than-or- equal
U+02266	\leq	≦	≦	\leq	≦	≦	≦	${f leqq}^{(a)}$	less, double equals
u+02267	\geq	≧	≧	\geq	≧	\geq	≧	$\geqq^{(a)}$	greater, double equals
u+02268	≨	≨	≨	≨	≨	≨	≨	\label{lneqq}	less, not double equals
U+02269	\geqq	≩	≩	\geq	≩	≩	≩	$\gray \gray \gra$	greater, not double equals
u+0226a	«	«	«	«	~	«	«	\11 ^(p)	much less than, type 2
u+0226в	>>	>>	>>	>>	>>>	>>>	>>	$\lg g^{(p)}$	much greater than, type 2
U+0226C	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	$\verb \between ^{(a)}$	between
U+0226D	*	*	*	*	*	*	*	\n	not asymptotically equal to
U+0226E	≮	≮	≮	≮	≮	≮	≮	\nless (a)	not less-than
U+0226F	*	*	>	>	*	>	>	$\ngtr^{(a)}$	not greater-than
U+02270	≰	≰	≰	≰	≰	≰	≰	$\neq^{(a)}$	not less-than-or-equal
U+02271	≱	≱	≱	≱	≱	≱	≱	$\ngeq^{(a)}$	not greater-than-or-equal
U+02272	\lesssim	≲	≲	≲	≲	≲	≲	$\verb \lesssim ^{(a)}$	less, similar
U+02273	\gtrsim	≳	≳	≳	≳	≳	≳	$\operatorname{\gray}^{(a)}$	greater, similar
U+02274	≴	≴	\$	≴	\$	≴	≴	\nlesssim	not less, similar
U+02275	≵	≵	≵	≵	≵	≵	≵	\ngtrsim	not greater, similar
U+02276	≶	≶	≶	≶	≶	≶	≶	$\lceil lessgtr^{(a)} \rceil$	less, greater
U+02277	≷	≷	≷	\geq	≥	\geq	≷	\gtrless ^(a)	greater, less

U+02279 ₹ ₹ ₹ ₹ ₹ Nagtrless not greater, u+0227A ✓	otion	Description	Macro	G	L	D	P	E	S	M	USV
U+0227A ✓ ✓ ✓ ✓ Precedes U+0227B >	reater	not less, greater	\nlessgtr	≸	≸	*	≸	≸	≸	≸	U+02278
U+02270	r, less	not greater, less	\ngtrless	≹	₹	≹	≹	≹	₹	≹	U+02279
U+0227C ≤ ≤ ≤ ✓ \preccurlyeq(a) precedes, cu U+0227D ≥ ≥ ≥ ≥ > > \succcurlyeq(a) succeeds, cu U+0227E ≥ ≥ ≥ ≥ ≥ > \succcessim(a) precedes, su U+02280 ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ✓ ✓ Inot precedes, su U+02281 ¥ ≯ ⊅ > \$		precedes	$\prec^{(p)}$	<	\prec	<	<	<	<	\prec	U+0227A
U+0227D ≥ ≥ ≥ ≥ > \succeeds, cu U+0227E ≥ </td <td></td> <td>succeeds</td> <th>$\scalebox{succ}^{(p)}$</th> <td>></td> <td>></td> <td>></td> <td>></td> <td>></td> <td>></td> <td>\succ</td> <td>U+0227B</td>		succeeds	$\scalebox{succ}^{(p)}$	>	>	>	>	>	>	\succ	U+0227B
U+0227E ≾ ≾ ≾ ≾ X \precedes, sin U+0227F ≿ ≿ ≿ ≿ ≿ ≿ \succeeds, sin U+02280 ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ⊀ ✓ ✓ Inot precedes, sin not precedes not precedes not precedes not precedes subset of sin not subset of subset of subset of subset of subset of subset of subset, of subset of subset, of subset, of subset of subset, of	curly equals	precedes, curly equ	$\verb \preccurlyeq ^{(a)}$	≼	\preccurlyeq	\leq	\leq	\leq	\leq	\preccurlyeq	U+0227C
U+0227F ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≿ ≥<	curly equals	succeeds, curly equ	$\verb \succcurlyeq ^{(a)}$	≽	≽	≽	≽	≽	≽	≽	U+0227D
U+02280	similar	precedes, similar	$\texttt{\precsim}^{(a)}$	≾	\preceq	≾	≾	≾	≾	\preceq	U+0227E
U+02281	similar	succeeds, similar	$\verb \succsim ^{(a)}$	≿	≿	≿	≿	≿	≿	\succeq	U+0227F
U+02282	les	not precedes	$\texttt{\nprec}^{(\texttt{a})}$	*	K	*	*	*	*	\star	U+02280
U+02283	eds .	not succeeds	$\normalfont{nsucc}^{(a)}$	*	*	*	*	*	*	\neq	U+02281
U+02284	is implied by	subset or is implied	$\sl bset^{(p)}$	C	\subset	\subset	\subset	C	\subset	\subset	U+02282
U+02285	or implies	superset or implies	$\sl supset^{(p)}$	D	\supset	\supset	\supset	\supset	\supset	\supset	u+02283
U+02286 ⊆ ⊆ ⊆ ⊆ ≤ \subseteq(p) subset, equal superset, equal superset	t, variant [slash nega		\nsubset	⊄	⊄	⊄	⊄	⊄	⊄	⊄	u+02284
U+02287	set, variant [slash	not superset, varian	\nsupset	⊅	⊅	⊅	ot	⊅	⊅	ot	u+02285
U+02288	uals	subset, equals	$\sl subseteq^{(p)}$	⊆	\subseteq	\subseteq	\subseteq	\subseteq	\subseteq	\subseteq	u+02286
U+0228A	equals	superset, equals	$\sl supseteq^{(p)}$	⊇	⊇	\supseteq	\supseteq	⊇	⊇	\supseteq	u+02287
U+0228A	., equals	not subset, equals	$\verb \nsubseteq ^{(a)}$	⊈	⊈	⊈	⊈	⊈	⊈	⊈	u+02288
U+0228B	set, equals	not superset, equal	$\verb \nsupseteq ^{(a)}$	⊉	⊉	⊉	⊉	⊉	⊉	⊉	u+02289
U+0228F	t equals	subset, not equals	$\verb \subsetneq ^{(a)}$	Ç	Ç	Ç	Ç	Ç	Ç	Ç	u+0228a
U+02290	not equals	superset, not equal	$\verb \supsetneq ^{(a)}$	⊋	⊋	⊋	\supseteq	⊋	\supseteq	\supseteq	u+0228в
U+02291	oset	square subset	\sqsubset								U+0228F
U+02292	perset	square superset	\sqsupset	⊐							U+0 229 0
U+022A2	oset, equals	square subset, equa	$\verb \sqsubseteq ^{(p)}$	⊑	⊑			⊑	⊑		U+0 229 1
U+022A3 I </td <td>perset, equals</td> <td>square superset, eq</td> <th>$\verb \sqsupseteq ^{(p)}$</th> <td>⊒</td> <td>⊒</td> <td>⊒</td> <td>⊒</td> <td>⊒</td> <td>⊒</td> <td>\supseteq</td> <td>U+02292</td>	perset, equals	square superset, eq	$\verb \sqsupseteq ^{(p)}$	⊒	⊒	⊒	⊒	⊒	⊒	\supseteq	U+02292
U+022A6	ash	vertical, dash	$\mathbf{vdash}^{(p)}$	H	\vdash	\vdash	\vdash	\vdash	H	H	U+022A2
U+022A7	ical	dash, vertical	$\operatorname{\mathtt{\dashv}}^{(p)}$	\dashv	\dashv	Н	\dashv	\dashv	\dashv	\dashv	U+022A3
	(vertical, short dash)	assertion (vertical,	\assert	F	F	H	F	F	F	F	U+022A6
U+022A9	vertical, short double		${\tt m{models}}^{(p)}$	ŧ	þ	F	F	F	F	þ	U+022A7
	ouble dash	vertical, double das	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	F	F	þ	F	þ	⊨	F	U+022A8
	rtical, dash	double vertical, das	$\mathbf{\backslash Vdash}^{(a)}$	IF	⊩	⊩	\Vdash	⊩	I	⊩	U+022A9
	ical, dash	triple vertical, dash	$\mathbf{\backslash Vvdash}^{(\mathtt{a})}$	⊪	⊪	⊩	\parallel	II⊢	III	⊪	U+022AA
$U+022AB \hspace{0.2in} \models \hspace{0.2in} \models \hspace{0.2in} \models \hspace{0.2in} \models \hspace{0.2in} \models \hspace{0.2in} \vdash \hspace{0.2in} \downarrow \vdash \hspace{0.2in} double \hspace{0.2in} vert,$	rt, double dash	double vert, double	\VDash	I⊨	F	⊫	F	⊫	I⊨	F	U+022AB
$\label{eq:continuity} U+022AC \qquad \not\vdash \qquad \not\vdash \qquad \not\vdash \qquad \not\vdash \qquad \not\vdash \qquad \downarrow \qquad $	al, dash	not vertical, dash	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	⊬	⊬	H	¥	¥	¥	¥	U+022AC

USV	M	S	Е	Р	D	L	G	Macro	Description
U+022AD	¥	¥	¥	¥	¥	¥	¥	$\nvDash^{(a)}$	not vertical, double dash
U+022AE	⊁	\mathbb{H}	\mathbb{H}	\mathbb{H}	I⊬	⊮	Iμ	$\nVdash^{(a)}$	not double vertical, dash
U+022AF	⊭	¥	⊭	⊭	⊯	⊯	I⊭	$\nVDash^{(a)}$	not double vert, double dash
U+022B0		3					⊰	\prurel	element precedes under relation
U+022B1		۶					۶	\scurel	succeeds under relation
U+022B2	\triangleleft	⊲	⊲	\triangleleft	⊲	\triangleleft	◁	$\verb \vartriangleleft ^{(a)}$	left triangle, open, variant
U+022B3	\triangleright	\triangleright	\triangleright	\triangleright	\triangleright	\triangleright	\triangleright	$\verb \vartriangleright ^{(a)}$	right triangle, open, variant
U+0 22 B4	⊴	⊴	⊴	⊴	⊴	⊴	⊴	$\verb \trianglelefteq ^{(a)}$	left triangle, equals
U+022B5	⊵	⊵	⊵	⊵	⊵	⊵	⊵	$\verb \trianglerighteq ^{(a)}$	right triangle, equals
U+022B6	0-	○	○	0-	0-	0-●	0-0	\origof	original of
U+022B7	•-0	•••	•••	•••	•••	•••	← 0	\imageof	image of
U+022B8	- 0	-0	-0	- 0	-0		-0	$\verb \multimap ^{(\texttt{a})}$	/multimap a:
U+022C8	M	\bowtie	M	M	M	M	M	$\verb \bowtie ^{(p)}$	bowtie
U+0 22 CD	\geq	\simeq	≥	~	~	≃	≃	$\verb \backsimeq ^{(a)}$	reverse similar, equals
U+022D0	€	€	€	€	€		€	$\Subset^{(a)}$	double subset
U+022D1	∋	∍	∍	∋	⋑		⋑	$\S pset^{(a)}$	double superset
U+022D4		Ψ	Ψ				ψ	$\operatorname{f pitchfork}^{(a)}$	pitchfork
U+022D5	#	#	#	#	#		#	\equalparallel	parallel, equal; equal or parallel
U+0 22 D6	<	⋖	⋖	<	⋖	⋖	<	${f lessdot}^{(a)}$	less than, with dot
U+022D7	>	≽	≽	≽	⊳	≽	≽	$\gtrdot^{(a)}$	greater than, with dot
U+022D8	///	***	***	~	<<<	///	***	\111 (a)	/ll /lll /llless r: triple less-than
U+022D9	>>>	>>>	>>>	>>>	>>>	>>>	>>>	\ggg ^(a)	/ggg /gg /gggtr r: triple greater-than
U+022DA	\leq	<u> </u>	≤ >	\leq	\leq	\leq	⋚	$\verb \lesseqgtr ^{(a)}$	less, equals, greater
U+022DB	\geq	\geq	\geq	\geq	\geq	\geq	\geq	$\verb \gtreqless ^{(a)}$	greater, equals, less
U+022DC	<	<	<	<	<	<	₹	\eqless	equal-or-less
U+022DD	>	>	>	>	>	>	⋝	\eqgtr	equal-or-greater
U+022DE	\curlyeqprec	$ \preccurlyeq $	eq	\neq	$ \neq$	$ \preccurlyeq $	*	$\verb \curlyeqprec ^{(a)}$	curly equals, precedes
U+022DF	⋟	≽	×	≽	≽	۶	>	$\verb \curlyeqsucc ^{(a)}$	curly equals, succeeds
U+0 22 E0	\neq	≰	≰	≰	≰	≰	⋠	\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	Ç	Ş	Ę	<u> </u>	Ç	Ç	Ę	\sqsubsetneq	square subset, not equals
U+022E5	\supseteq	⊋	⊋	\supseteq	⊋	⊋	⊋	\sqsupsetneq	square superset, not equals

USV	M	S	E	Р	D	L	G	Macro	Description
U+022E6	⋦	⋦	⋦	⋦	⋦	⋦	⋦	$\operatorname{lack}{}^{(a)}$	less, not similar
U+0 22 E7	⋧	⋧	⋧	⋧	⋧	⋧	⋧	$\operatorname{\sl}{gnsim}^{(a)}$	greater, not similar
U+022E8	$\not \preceq$	⋨	⋨	⋨	⋨	⋨	⋨	$\verb \precnsim ^{(a)}$	precedes, not similar
U+0 22 E9	⋩	⋩	⋩	⋩	⋩	⋩	⋩	$\verb \succnsim ^{(a)}$	succeeds, not similar
U+0 22 EA	otin	⋪		\triangleleft	4	Ø	⋪	\nvartriangleleft	not left triangle
U+0 22 EB	$\not\triangleright$	$\not\!$	>	\triangleright	*	\triangleright	Þ	\nvartriangleright	not right triangle
U+0 22 EC	⊉	⊉	⊉	⊉	⊉	⊉	⊉	$\verb \ntrianglelefteq ^{(a)}$	not left triangle, equals
U+0 22 ED	⊭	⊭	⊭	⊭	⋭	⊭	⊭	$\verb \ntrianglerighteq ^{(a)}$	not right triangle, equals
U+0 22 EE	÷	:	:	÷	÷	:	:	$\backslash {\tt vdots}^{(p)}$	vertical ellipsis
U+0 22 F0	$\mathcal{F}_{\mathcal{F}}$	\mathcal{A}^{\prime}	\mathcal{L}	\mathcal{L}^{\prime}	\mathcal{L}^{\prime}	,÷		\adots	three dots, ascending
U+0 22 F1	9.	٠.	٠.	٠.	%	٠.	N	${\tt \dots}^{(p)}$	three dots, descending
U+022F2		€						\disin	element of with long horizontal stroke
U+0 22 F3		⋳						\varisins	element of with vertical bar at end of horizontal stroke
u+0 22 F4		€						\isins	small element of with vertical bar at end of horizontal stroke
u+0 22 F5		Ė						\isindot	element of with dot above
u+022F6		⋶						\varisinobar	element of with overbar
u+022F7		€						\isinobar	small element of with overbar
u+022f8		⋸						\isinvb	element of with underbar
u+0 22 F9		€						\isinE	element of with two horizontal strokes
U+022FA		⋺						\nisd	contains with long horizontal stroke
U+0 22 FB		Ð						\varnis	contains with vertical bar at end of horizontal stroke
U+0 22 FC		Ð						\nis	small contains with vertical bar at end of horizontal stroke
U+0 22 FD		⋽						\varniobar	contains with overbar
U+0 22 FE		⋾						\niobar	small contains with overbar
U+0 22 FF		E						\bagmember	z notation bag membership
U+02322	$\overline{}$			$\overline{}$	$\overline{}$			$\verb frown ^{(p)}$	down curve
u+02323	\smile	\smile)	\smile	\smile	$\overline{}$	\cup	$\sl e^{(p)}$	up curve
u+0233F		+						\APLnotslash	solidus, bar through (apl functional symbol slash bar)
U+025B5		Δ	Δ					$\verb \vartriangle ^{(a)}$	/triangle - up triangle, open
u+0 27 C 2	\perp	Τ	\perp	Τ	Τ	Τ	Τ	$\mathtt{ar{perp}}^{(\mathrm{p})}$	perpendicular
u+0 27 c8		\C						\bsolhsub	reverse solidus preceding subset

USV	M	S	E	P	D	L	G	Macro	Description
U+027C9) /						\suphsol	superset preceding solidus
U+027D2		Ψ						\upin	element of opening upwards
U+027D3		<u>.</u>						\pullback	lower right corner with dot
U+027D4		F						\pushout	upper left corner with dot
U+027DA	≢⊨	≓⊨	≓⊨	≓⊨	⊭		≢⊧	\DashVDash	left and right double turnstile
U+027DB	$\dashv\vdash$	$\dashv \vdash$	$\dashv\vdash$	$\dashv\vdash$	$\dashv\vdash$		H-	\dashVdash	left and right tack
U+027DC	0—	0—	0—	0—	-		0—	\multimapinv	left multimap
U+027DD	\vdash	<u> </u>	<u> </u>	\vdash	\vdash		\vdash	\vlongdash	long left tack
U+027DE	\dashv	—	$\overline{}$	\dashv	\dashv		\dashv	\longdashv	long right tack
U+027DF		Î						\cirbot	up tack with circle above
U+027F0		1						\UUparrow	upwards quadruple arrow
U+027F1		₩						\DDownarrow	downwards quadruple arrow
U+027F2		5				n	5	\acwgapcirclearrow	anticlockwise gapped circle arrow
U+027F3		C				(~	C	\cwgapcirclearrow	clockwise gapped circle arrow
U+027F4	\bigoplus	\Longrightarrow	⊕	\oplus	$\stackrel{\bigoplus}{\longrightarrow}$			\rightarrowonoplus	right arrow with circled plus
U+027F5	\leftarrow		←		\leftarrow	\leftarrow	←	$\verb \longleftarrow ^{(p)}$	long leftwards arrow
u+027F6	\longrightarrow	\longrightarrow	\longrightarrow	\longrightarrow	\longrightarrow	\longrightarrow	\longrightarrow	$\verb \longrightarrow ^{(p)}$	long rightwards arrow
U+027F7	\longleftrightarrow	\longleftrightarrow	\longleftrightarrow	\longleftrightarrow	\longleftrightarrow	\longleftrightarrow	\longleftrightarrow	$\verb \longleftrightarrow ^{(p)}$	long left right arrow
U+027F8	\Leftarrow	\leftarrow	\Leftarrow	\leftarrow	\leftarrow	←	←	$\verb \Longleftarrow ^{(p)}$	long leftwards double arrow
U+027F9	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	$\verb \Longrightarrow ^{(p)}$	long rightwards double arrow
U+027FA	\iff	\iff	\iff	\iff	\iff	\iff	\iff	$\verb \Longleftrightarrow ^{(p)}$	long left right double arrow
U+027FB	\leftarrow	\longleftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\longmapsfrom	long leftwards arrow from bar
U+027FC	\longmapsto	\longmapsto	\longmapsto	\longmapsto	\longrightarrow	\longmapsto	\longmapsto	$\verb \longmapsto ^{(p)}$	long rightwards arrow from bar
U+027FD	\iff	\iff	\iff	\iff	\rightleftarrows	\iff	\iff	\Longmapsfrom	long leftwards double arrow from bar
U+027FE	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\Longrightarrow	\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+0 2 901		 >						\nVtwoheadrightarrow	rightwards two-headed arrow with double vertical stroke
U+02902		#				#		\nvLeftarrow	leftwards double arrow with vertical stroke
U+02903		⇒				⇒		\nvRightarrow	rightwards double arrow with vertical stroke
u+0 2 904		#				⇔		\nvLeftrightarrow	left right double arrow with vertical stroke

USV	M	S	E	P	D	L	G	Macro	Description
U+02905		₩						\twoheadmapsto	rightwards two-headed arrow from bar
U+0 2 906	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	\Leftrightarrow	⊭	⊭	⊭	\Mapsfrom	leftwards double arrow from bar
U+0 2 907	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Rightarrow	\Mapsto	rightwards double arrow from bar
u+02908		‡						\downarrowbarred	downwards arrow with horizontal stroke
U+0 2 909		†						\uparrowbarred	upwards arrow with horizontal stroke
u+0290A		\bigoplus				1		\Uuparrow	upwards triple arrow
u+0290в		Ψ				#		\Ddownarrow	downwards triple arrow
u+0 2 90C		←-						\leftbkarrow	leftwards double dash arrow
U+0 2 90D		>						\rightbkarrow	rightwards double dash arrow
U+0290E								\leftdbkarrow	leftwards triple dash arrow
U+0290F		>						\dbkarrow	rightwards triple dash arrow
U+0 2 910		> - »						\drbkarrow	rightwards two-headed triple dash arrow
U+0 2 911		>						\rightdotarrow	rightwards arrow with dotted stem
U+02912		T						\baruparrow	upwards arrow to bar
U+02913		\downarrow						\downarrowbar	downwards arrow to bar
u+02914		>+>						\nvrightarrowtail	rightwards arrow with tail with vertical stroke
U+02915		> >						\nVrightarrowtail	rightwards arrow with tail with double vertical stroke
u+02916		>>>						\twoheadrightarrowtail	rightwards two-headed arrow with tail
U+02917		> *						\nvtwoheadrightarrowtail	rightwards two-headed arrow with tail with vertical stroke
U+02918		/#≫						\nVtwoheadrightarrowtail	rightwards two-headed arrow with tail with double vertical stroke
U+02919		$\overline{}$						\lefttail	leftwards arrow-tail
u+0291A		—						\righttail	rightwards arrow-tail
U+0291B		- ≪						\leftdbltail	leftwards double arrow-tail
U+0 2 91C		>						\rightdbltail	rightwards double arrow-tail
U+0 2 91D		•←						\diamondleftarrow	leftwards arrow to black diamond
U+0 2 91E		→•						\rightarrowdiamond	rightwards arrow to black diamond
U+0 2 91F		•						\diamondleftarrowbar	leftwards arrow from bar to black diamond
U+02920		→•						\barrightarrowdiamond	rightwards arrow from bar to black diamond

USV	M	S	E	P	D	L	G	Macro	Description
U+02921		\searrow						\nwsearrow	north west and south east arrow
U+02922		1						\neswarrow	north east and south west arrow
u+02923		5						\hknwarrow	north west arrow with hook
u+02924		7						\hknearrow	north east arrow with hook
u+02925		5						\hksearrow	south east arrow with hook
u+02926		2						\hkswarrow	south west arrow with hook
U+0 2927		X						\tona	north west arrow and north east
U+02928		X						\toea	north east arrow and south east arrow
U+02929		X						\tosa	south east arrow and south west arrow
U+0292A		×						\towa	south west arrow and north west arrow
U+02933		\rightarrow	\sim					\rightcurvedarrow	wave arrow pointing directly right
u+02936		Ų	Ļ					\leftdowncurvedarrow	arrow pointing downwards then curving leftwards
u+02937		<i>\</i>	Ļ					\rightdowncurvedarrow	arrow pointing downwards then curving rightwards
u+02938		2						\cwrightarcarrow	right-side arc clockwise arrow
U+02939		(\acwleftarcarrow	left-side arc anticlockwise ar-
U+0293A		~						\acwoverarcarrow	top arc anticlockwise arrow
U+0293B		J						\acwunderarcarrow	bottom arc anticlockwise arrow
U+0 2 93C		~						\curvearrowrightminus	top arc clockwise arrow with minus
U+0293D		F						\curvearrowleftplus	top arc anticlockwise arrow with plus
U+0293E		N						\cwundercurvearrow	lower right semicircular clockwise arrow
U+0293F		G						\ccwundercurvearrow	lower left semicircular anti- clockwise arrow
u+0 2 940		Q						\acwcirclearrow	anticlockwise closed circle arrow
u+02941		Ò						\cwcirclearrow	clockwise closed circle arrow
U+02942		$\overrightarrow{\leftarrow}$						\rightarrowshortleftarrow	rightwards arrow above short leftwards arrow
U+0 2 943		$\stackrel{\longleftarrow}{\rightarrow}$						\leftarrowshortrightarrow	leftwards arrow above short rightwards arrow
u+0 2 944		$\stackrel{\Rightarrow}{\leftarrow}$						\shortrightarrowleftarrow	short rightwards arrow above leftwards arrow
U+0 2 945		→						\rightarrowplus	rightwards arrow with plus below
u+0 2 946		←+						\leftarrowplus	leftwards arrow with plus below

USV	M	S	E	P	D	L	G	Macro	Description
u+02947		*						\rightarrowx	rightwards arrow through x
U+02948		↔						\leftrightarrowcircle	left right arrow through small circle
U+0 2 949								\twoheaduparrowcircle	upwards two-headed arrow from small circle
u+0294a		←						\leftrightharpoonupdown	left barb up right barb down harpoon
U+0294B		\leftarrow						\leftrightharpoondownup	left barb down right barb up harpoon
u+0 2 94C		1						\updownharpoonrightleft	up barb right down barb left harpoon
U+0 2 94D		1						\updownharpoonleftright	up barb left down barb right harpoon
U+0294E		∠						\leftrightharpoonupup	left barb up right barb up har- poon
u+0 2 94F		t						\updownharpoonrightright	up barb right down barb right harpoon
U+0 2 950		$\overline{}$						\leftrightharpoondowndown	left barb down right barb down harpoon
U+02951		1						\updownharpoonleftleft	up barb left down barb left harpoon
U+02952		 						\barleftharpoonup	leftwards harpoon with barb up to bar
U+02953		-\ 1						\rightharpoonupbar	rightwards harpoon with barb up to bar
U+02954		7						\barupharpoonright	upwards harpoon with barb right to bar
U+02955		Ţ						\downharpoonrightbar	downwards harpoon with barb right to bar
u+02956		├						\barleftharpoondown	leftwards harpoon with barb down to bar
u+02957		- √l						\rightharpoondownbar	rightwards harpoon with barb down to bar
u+02958		1						\barupharpoonleft	upwards harpoon with barb left to bar
u+02959		<u>1</u>						\downharpoonleftbar	downwards harpoon with barb left to bar
u+0295A		4						\leftharpoonupbar	leftwards harpoon with barb up from bar
u+0295в		\vdash						\barrightharpoonup	rightwards harpoon with barb up from bar
u+0 2 95C		1						\upharpoonrightbar	upwards harpoon with barb right from bar
u+0295D		Ţ						\bardownharpoonright	downwards harpoon with barb right from bar
u+0295E		\leftarrow						\leftharpoondownbar	leftwards harpoon with barb down from bar

USV	M	S	Е	P	D	L	G	Macro	Description
U+0295F		\vdash						\barrightharpoondown	rightwards harpoon with barb down from bar
u+0 2 960		1						\upharpoonleftbar	upwards harpoon with barb left from bar
u+02961		1						\bardownharpoonleft	downwards harpoon with barb left from bar
U+02962		=						\leftharpoonsupdown	leftwards harpoon with barb up above leftwards harpoon with barb down
U+02963		1						\upharpoonsleftright	upwards harpoon with barb left beside upwards harpoon with barb right
u+02964		\Rightarrow						\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 har- poon with barb down
u+02968		=						\rightleftharpoonsup	rightwards harpoon with barb up above leftwards harpoon with barb up
u+02969		eq						\rightleftharpoonsdown	rightwards harpoon with barb down above leftwards harpoon with barb down
u+0296a		=						\leftharpoonupdash	leftwards harpoon with barb up above long dash
u+0296в		=						\dashleftharpoondown	leftwards harpoon with barb down below long dash
u+0 2 96c		\Rightarrow						\rightharpoonupdash	rightwards harpoon with barb up above long dash
U+0 29 6D		=						\dashrightharpoondown	rightwards harpoon with barb down below long dash
u+0296e		11						\updownharpoonsleftright	upwards harpoon with barb left beside downwards harpoon with barb right
u+0296f		11						\downupharpoonsleftright	downwards harpoon with barb left beside upwards harpoon with barb right
U+02970		\Rightarrow						\rightimply	right double arrow with rounded head
U+02971		≕				⇛		\equalrightarrow	equals sign above rightwards arrow
U+02972		~				\simeq		\similarrightarrow	tilde operator above rightwards arrow
U+02973		√ ≂				€		\leftarrowsimilar	leftwards arrow above tilde operator

USV	M	S	Е	P	D	L	G	Macro	Description
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+0 2 977		€						\leftarrowless	leftwards arrow through less- than
u+02978		≩						\gtrarr	greater-than above rightwards arrow
U+0 2 979		\subseteq						\subrarr	subset above rightwards arrow
U+0297A		€						\leftarrowsubset	leftwards arrow through subset
U+0297В		⊋						\suplarr	superset above leftwards arrow
U+0297C		⊱						\leftfishtail	left fish tail
U+0297D		\rightarrow						\rightfishtail	right fish tail
U+0 2 97E		Υ						\upfishtail	up fish tail
U+0 2 97F		Т						\downfishtail	down fish tail
U+02982		8				0		\typecolon	z notation type colon
U+0 2 9CE		\triangleright						\rtriltri	right triangle above left triangle
U+0 2 9CF		⊲∣						\ltrivb	left triangle beside vertical bar
U+0 2 9D0		$ \triangleright$						\vbrtri	vertical bar beside right triangle
U+0 2 9D1		M						\lfbowtie	left black bowtie
U+029D2		M						\rfbowtie	right black bowtie
U+029D3		H						\fbowtie	black bowtie
U+029D4		K						\lftimes	left black times
U+029D5		×						\rftimes	right black times
U+029DF		- -∞						\dualmap	double-ended multimap
U+029E1		4						\lrtriangleeq	increases as
U+029E3		#						\epars1	equals sign and slanted parallel
U+0 2 9E4		<i></i> #						\smepars1	equals sign and slanted parallel with tilde above
U+029E5		#						\eqvpars1	identical to and slanted parallel
u+0 2 9E6		Ħ						\gleichstark	gleich stark
u+029F4		\Rightarrow						\ruledelayed	rule-delayed
U+02A59		Ж						\veeonwedge	logical or overlapping logical and
U+02A66		=						\eqdot	equals sign with dot below
u+02A67		≐						\dotequiv	identical with dot above

USV	M	S	Е	P	D	L	G	Macro	Description
u+02A68		#						\equivVert	triple horizontal bar with double vertical stroke
u+02A69		#						\equivVvert	triple horizontal bar with triple vertical stroke
u+02a6a		÷					~	\dotsim	tilde operator with dot above
u+02а6в		∻					∻	\simrdots	tilde operator with rising dots
U+02A6C		≋					≋	\simminussim	similar minus similar
U+02A6D		≐					≅	\congdot	congruent with dot above
u+02a6e		*						\asteq	equals with asterisk
U+02A6F		ê						\hatapprox	almost equal to with circumflex accent
U+02A70		≊					~	\approxeqq	approximately equal or equal to
u+02A73		≅					≅	\eqqsim	equals sign above tilde operator
u+02A74		::=					::=	\Coloneq	double colon equal
U+02A75		==					==	\eqeq	two consecutive equals signs
u+02a76		===					===	\eqeqeq	three consecutive equals signs
U+02A77		**						\ddotseq	equals sign with two dots above and two dots below
u+02a78		:::						\equivDD	equivalent with four dots above
U+02A79		<					«	\ltcir	less-than with circle inside
u+02A7A		≫					≫	\gtcir	greater-than with circle inside
U+02A7B		₹						\ltquest	less-than with question mark above
U+02A7C		>?						\gtquest	greater-than with question mark above
U+02A7D	\leq	\leq	\leq	\leq	≤	\leq	€	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	less-than or slanted equal to
U+02A7E	≥	≽	≥	\geqslant	≥	≽	≥	$\verb \geqslant ^{(a)}$	greater-than or slanted equal to
U+02A7F		€						\lesdot	less-than or slanted equal to with dot inside
U+02A80		≽					≽	\gesdot	greater-than or slanted equal to with dot inside
U+02A81		≼						\lesdoto	less-than or slanted equal to with dot above
U+02A82		≽						\gesdoto	greater-than or slanted equal to with dot above
U+02A83		≼						\lesdotor	less-than or slanted equal to with dot above right
u+02a84		≽						\gesdotol	greater-than or slanted equal to with dot above left
u+02A85	≨	≨	≨	≨	≨		≨	$\verb \label{lessapprox} (\texttt{a})$	less-than or approximate
u+02a86	≷	≳	⋛	⋛	≋		≷	$\verb \gtrapprox ^{(\texttt{a})}$	greater-than or approximate

USV	M	S	E	P	D	L	G	Macro	Description
U+02A87	\$	Ş	<i>\$</i>	Ş	\$	Ş	\$	\lneq ^(a)	less-than and single-line not equal to
u+02a88	≥	>	≱	≥	≥	≥	>	$\gray \gray \gra$	greater-than and single-line not equal to
u+02a89	≨	≨	≨	≨	≨		≨	$\label{lnapprox} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	less-than and not approximate
u+02a8a	≥≈	>≉	⋧	>≉	≉		≽	$\verb \gnapprox ^{(\texttt{a})}$	greater-than and not approximate
u+02a8b	\leq	\ 	≦	\leq	¥ ×			$\verb \label{lesseqqgtr} (a)$	less-than above double-line equal above greater-than
U+02A8C	\geq	<u>></u>	≥	\geq	VII ✓			$\verb \gtreqqless ^{(a)}$	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		>≥∨					2	\gsiml	greater-than above similar above less-than
u+02a91		≦						\lgE	less-than above greater-than above double-line equal
U+02A92		\geqq						\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	<	<	<	<	<			$\verb \eqslantless ^{(a)}$	slanted equal to or less-than
U+02A96	≽	≽	≽	>	≽			$\verb \eqslantgtr ^{(a)}$	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		<u>=</u>						\eqqgtr	double-line equal to or greater-than
U+02A9B		-						\eqqslantless	double-line slanted equal to or less-than
U+02A9C		\geqslant						\eqqslantgtr	double-line slanted equal to or greater-than
u+0 2 A9D		~						\simless	similar or less-than
U+02A9E		~						\simgtr	similar or greater-than
u+02a9f		\cong						\simlE	similar above less-than above equals sign

USV	M	S	Е	Р	D	L	G	Macro	Description
U+02AA0		\cong						\simgE	similar above greater-than above equals sign
U+02AA1		«						\Lt	double nested less-than
U+02AA2		≽						\Gt	double nested greater-than
U+02AA3		<u>«</u>						\partialmeetcontraction	double less-than with underbar
U+02AA4		×						\glj	greater-than overlapping less- than
U+02AA5		><						\gla	greater-than beside less-than
U+02AA6		\triangleleft						\ltcc	less-than closed by curve
U+02AA7		\triangleright						\gtcc	greater-than closed by curve
U+02AA8		\Diamond						\lescc	less-than closed by curve above slanted equal
U+02AA9		\triangleright						\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		≘					≘	\bumpeqq	equals sign with bumpy above
U+02AAF	\preceq	≤	\preceq	\leq	≤	\preceq	≼	$\prescript{preceq^{(p)}}$	precedes above single-line equals sign
U+0 2 ABO	≽	≥	≥	≥	≥	≽	≥	$\scalebox{succeq}^{(p)}$	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		\leqq	\leqq			\preceq	≦	\preceqq	precedes above equals sign
U+02AB4		≧	≧			≽	≽	\succeqq	succeeds above equals sign
U+02AB5		$\not \equiv$	≨			$\not \equiv$	≨	$\prescript{\prescript{\prescript{ m q}^{(a)}}}$	precedes above not equal to
u+02ab6		≱	≱			≽	≱	$\scalebox{succneqq}^{(a)}$	succeeds above not equal to
U+02AB7		≋	≋				⋨	$\verb \precapprox ^{(\texttt{a})}$	precedes above almost equal to
u+02ab8		X	≋				፟	$\scapprox^{(a)}$	succeeds above almost equal to
U+02AB9		∀ ≋	¥				ష	$\verb \precnapprox ^{(a)}$	precedes above not almost equal to
U+02ABA							≽	$\verb \succnapprox ^{(a)}$	succeeds above not almost equal to
U+O2ABB		*					*	\Prec	double precedes
U+02ABC		\gg					>>	\Succ	double succeeds
U+02ABD		C					c	\subsetdot	subset with dot

USV	M	S	E	P	D	L	G	Macro	Description
U+02ABE		∍					•	\supsetdot	superset with dot
U+02ABF		Ç						\subsetplus	subset with plus sign below
U+02AC0		⊋						\supsetplus	superset with plus sign below
U+02AC1		×						\submult	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		\subseteq	\subseteq				⊆	$\verb \subseteqq ^{(\texttt{a})}$	subset of above equals sign
u+02ac6		⊇	\supseteq				⊇	$\verb \supseteqq ^{(\texttt{a})}$	superset of above equals sign
U+02AC7		≲					⊊	\subsim	subset of above tilde operator
U+02AC8		\gtrsim					⊋	\supsim	superset of above tilde operator
U+02AC9		≅					⊊	\subsetapprox	subset of above almost equal to
U+02ACA		\approx					⊋	\supsetapprox	superset of above almost equal to
U+02ACB		≨	⊊				⊊	$\verb \subsetneqq ^{(a)}$	subset of above not equal to
U+02ACC		⊋	⊋				⊋	$\verb \supsetneqq ^{(a)}$	superset of above not equal to
U+02ACD								\lsqhook	square left open box operator
U+02ACE								\rsqhook	square right open box operator
U+02ACF								\csub	closed subset
U+02AD0		D						\csup	closed superset
U+02AD1		□						\csube	closed subset or equal to
U+02AD2		₽						\csupe	closed superset or equal to
U+02AD3		S						\subsup	subset above superset
U+02AD4		2						\supsub	superset above subset
U+02AD5								\subsub	subset above subset
u+02ad6		3						\supsup	superset above superset
U+02AD7		$\supset \subset$						\suphsub	superset beside subset
U+02AD8		€						\supdsub	superset beside and joined by dash with subset
U+02AD9		lacktriangle						\forkv	element of opening downwards
U+02ADA		Ψ						\topfork	pitchfork with tee top
U+02ADB		Ψ						\mlcp	transversal intersection
U+02ADC		业						\forks	forking
U+02ADD		Ψ						\forksnot	nonforking

USV	M	S	Е	P	D	L	G	Macro	Description
U+02ADE		4						\shortlefttack	short left tack
U+02ADF		т						\shortdowntack	short down tack
U+02AE0		т.						\shortuptack	short up tack
U+02AE2		⊨						\vDdash	vertical bar triple right turnstile
U+02AE3		\dashv I						\dashV	double vertical bar left turnstile
U+02AE4		=						\Dashv	vertical bar double left turnstile
U+02AE5		킈						\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		π						\barV	double down tack
U+O2AEB		Ш						\Vbar	double up tack
U+02AEC		╕						\Not	double stroke not sign
U+02AED		F						\bNot	reversed double stroke not sign
U+02AEE		+						\revnmid	does not divide with reversed negation slash
U+02AEF		Ŷ						\cirmid	vertical line with circle above
U+02AFO		Ŷ						\midcir	vertical line with circle below
U+02AF2		#						\nhpar	parallel with horizontal stroke
U+02AF3		#						\parsim	parallel with tilde operator
U+02AF7		\ll						\lllnest	stacked very much less-than
U+02AF8		>						\gggnest	stacked very much greater-than
U+02AF9		\leq	\(\left\)					\leqqslant	double-line slanted less-than or equal to
U+02AFA		\geqslant						\geqqslant	double-line slanted greater-than or equal to
U+02B30		↔				< 0-		\circleonleftarrow	left arrow with small circle
U+02B31	\(\)	₽	⊭	₩	\rightleftarrows	₽	⊭	\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
U+02B35		≪Ⅱ						\nVtwoheadleftarrow	leftwards two-headed arrow with double vertical stroke
u+0 2 в36		« -						\twoheadmapsfrom	leftwards two-headed arrow from bar

USV	M	S	Е	Р	D	L	G	Macro	Description
u+02в37		* <						\twoheadleftdbkarrow	leftwards two-headed triple- dash arrow
u+02в38		(\leftdotarrow	leftwards arrow with dotted stem
U+02B39		₩						\nvleftarrowtail	leftwards arrow with tail with vertical stroke
U+02B3A		₩						\nVleftarrowtail	leftwards arrow with tail with double vertical stroke
U+02B3B		≪ ≺						\twoheadleftarrowtail	leftwards two-headed arrow with tail
U+02B3C		₩						\nvtwoheadleftarrowtail	leftwards two-headed arrow with tail with vertical stroke
U+02B3D		₩						\nVtwoheadleftarrowtail	leftwards two-headed arrow with tail with double vertical stroke
U+02B3E		**						\leftarrowx	leftwards arrow through x
U+02B3F		←	←					\leftcurvedarrow	wave arrow pointing directly left
U+0 2 B40		⇐						\equalleftarrow	equals sign above leftwards arrow
U+02B41		~						\bsimilarleftarrow	reverse tilde operator above leftwards arrow
U+02B42		€						\leftarrowbackapprox	leftwards arrow above reverse almost equal to
U+02B43		≫						\rightarrowgtr	rightwards arrow through greater-than
u+02B44		⇒						\rightarrowsupset	rightwards arrow through subset
U+02B45		€					=	\LLeftarrow	leftwards quadruple arrow
u+0 2 в46		\Rightarrow					⇒	\RRightarrow	rightwards quadruple arrow
U+02B47		$\xrightarrow{\sim}$						\bsimilarrightarrow	reverse tilde operator above rightwards arrow
u+02в48		ಹ≯						\rightarrowbackapprox	rightwards arrow above reverse almost equal to
u+0 2 в49		←						\similarleftarrow	tilde operator above leftwards arrow
U+02B4A		€						\leftarrowapprox	leftwards arrow above almost equal to
U+02B4B		⇐						\leftarrowbsimilar	leftwards arrow above reverse tilde operator
U+0 2 B4C		\Rightarrow						\rightarrowbsimilar	righttwards arrow above reverse tilde operator

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

USV	M	S	E	P	D	L	G	Macro	Description
U+00391	A	A	A	A	A	A	A	\mupAlpha	capital alpha, greek
U+00392	В	В	В	В	В	В	В	\mupBeta	capital beta, greek
U+00393	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mupGamma	capital gamma, greek
u+00394	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mupDelta	capital delta, greek
U+00395	\mathbf{E}	E	E	E	E	E	E	\mupEpsilon	capital epsilon, greek
u+00396	\mathbf{Z}	Z	Z	Z	Z	Z	Z	\mupZeta	capital zeta, greek
U+00397	Η	Н	Н	Н	Н	Н	Н	\mupEta	capital eta, greek
u+00398	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mupTheta	capital theta, greek
u+00399	I	I	I	I	I	I	I	\mupIota	capital iota, greek
U+0039A	K	K	K	K	K	K	K	\mupKappa	capital kappa, greek
и+0039в	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mupLambda	capital lambda, greek
u+0039C	\mathbf{M}	M	M	M	M	M	M	\mupMu	capital mu, greek
U+0039D	N	N	N	N	N	N	N	\mupNu	capital nu, greek
U+0039E	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mupXi	capital xi, greek
U+0039F	O	O	O	O	O	O	O	\mupOmicron	capital omicron, greek
U+003A0	П	П	П	П	П	П	П	\mupPi	capital pi, greek
U+003A1	P	P	P	P	P	P	P	\mupRho	capital rho, greek
U+003A3	\sum	Σ	Σ	Σ	Σ	Σ	Σ	\mupSigma	capital sigma, greek
U+003A4	\mathbf{T}	T	T	T	T	T	T	\mupTau	capital tau, greek
U+003A5	Υ	Y	Υ	Y	Υ	Y	Υ	\mupUpsilon	capital upsilon, greek
u+003A6	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mupPhi	capital phi, greek
U+003A7	X	X	X	X	X	X	X	\mupChi	capital chi, greek
u+003A8	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mupPsi	capital psi, greek
U+003A9	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mupOmega	capital omega, greek

15.1.2 Upright Greek, lowercase

USV	M	S	E	P	D	L	G	Macro	Description
U+003B1	α	α	α	α	α	α	α	\mupalpha	small alpha, greek
U+003B2	β	β	β	β	β	β	β	\mupbeta	small beta, greek

USV	M	S	Е	Р	D	L	G	Macro	Description
и+003в3	γ	γ	Υ	γ	γ	γ	γ	\mupgamma	small gamma, greek
U+003B4	δ	δ	δ	δ	δ	δ	8	\mupdelta	small delta, greek
U+003B5	ε	3	3	3	3	3	٤	\mupvarepsilon	rounded small varepsilon, greek
и+003в6	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mupzeta	small zeta, greek
и+003в7	η	η	η	η	η	η	η	\mupeta	small eta, greek
и+003в8	θ	θ	θ	θ	θ	θ	θ	\muptheta	straight theta, small theta, greek
и+003в9	ι	ι	ι	ι	ι	ι	ι	\mupiota	small iota, greek
U+003BA	κ	κ	K	К	K	κ	κ	\mupkappa	small kappa, greek
и+003вв	λ	λ	λ	λ	λ	λ	λ	\muplambda	small lambda, greek
U+003BC	μ	μ	μ	μ	μ	μ	μ	\mupmu	small mu, greek
U+003вD	ν	ν	ν	ν	ν	ν	ν	\mupnu	small nu, greek
и+003ве	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mupxi	small xi, greek
и+003вғ	O	0	0	0	O	0	0	\mupomicron	small omicron, greek
U+003C0	π	π	π	π	П	π	π	\muppi	small pi, greek
U+003C1	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\muprho	small rho, greek
U+003C2	ς	ς	ς	ς	ς	ς	ς	\mupvarsigma	terminal sigma, greek
u+003c3	σ	σ	σ	σ	σ	σ	σ	\mupsigma	small sigma, greek
u+003c4	τ	τ	τ	τ	τ	τ	τ	\muptau	small tau, greek
u+003c5	υ	υ	υ	υ	υ	υ	υ	\mupupsilon	small upsilon, greek
u+003c6	φ	φ	φ	φ	φ	φ	φ	\mupvarphi	curly or open small phi, greek
u+003c7	χ	χ	χ	χ	χ	χ	χ	\mupchi	small chi, greek
u+003c8	ψ	ψ	ψ	ψ	Ψ	ψ	ψ	\muppsi	small psi, greek
u+003c9	ω	ω	ω	ω	ω	ω	ω	\mupomega	small omega, greek
U+003D1	ϑ	θ	θ	θ	θ	ϑ	Э	$\mbox{\em mupvartheta}$	/vartheta - curly or open theta
U+003D5	ф	ф	φ	ф	ф	φ	ф	\mupphi	/straightphi - small phi, greek
U+003D6	ϖ	σ	0	<i>ω</i>	ω	۵	Ø	\mupvarpi	rounded small pi (pomega), greek
U+003DC		F				F		\upDigamma	capital digamma
U+003DD		F	F			F		\updigamma	old greek small letter digamma
U+003F0	n	χ	κ	ν	ж	и	κ	\mupvarkappa	rounded small kappa, greek
U+003F1	9	g	9	Q	Õ	9	6	\mupvarrho	rounded small rho, greek
u+003F4	Θ	θ	θ	θ	θ	θ	θ	\mupvarTheta	greek capital theta symbol
U+003F5	ϵ	€	ϵ	ϵ	ϵ	€	ε	\mupepsilon	greek lunate varepsilon symbol

15.1.3 Italic, Latin, uppercase

USV	M	S	E	P	D	L	G	Macro	Description
U+1D434	A	A	A	A	\boldsymbol{A}	A	A	\mitA	mathematical italic capital a
U+1D435	B	В	B	В	B	В	B	\mitB	mathematical italic capital b
u+1D436	C	C	C	C	C	C	C	\mitC	mathematical italic capital c
U+1D437	D	D	D	D	D	D	D	\mitD	mathematical italic capital d
u+1D438	E	E	\boldsymbol{E}	E	E	E	E	\mitE	mathematical italic capital e
u+1D439	F	F	F	F	F	F	F	\mitF	mathematical italic capital f
U+1D43A	G	G	\boldsymbol{G}	G	G	G	G	\mitG	mathematical italic capital g
U+1D43B	H	H	H	H	H	H	H	\mitH	mathematical italic capital h
U+1D43C	I	I	I	I	I	I	I	\mitI	mathematical italic capital i
U+1D43D	J	J	J	J	J	J	J	\mitJ	mathematical italic capital j
U+1D43E	K	K	K	K	K	K	K	\mitK	mathematical italic capital k
U+1D43F	L	L	L	L	\boldsymbol{L}	L	L	\mitL	mathematical italic capital l
U+1D440	M	M	M	M	M	M	M	\mitM	mathematical italic capital m
U+1D441	N	N	N	N	N	N	N	\mitN	mathematical italic capital n
U+1D442	O	0	0	O	0	O	0	\mit0	mathematical italic capital o
U+1D443	P	\boldsymbol{P}	P	P	P	P	P	\mitP	mathematical italic capital p
U+1D444	Q	Q	Q	Q	Q	Q	Q	\mitQ	mathematical italic capital q
U+1D445	R	R	R	R	R	R	R	\mitR	mathematical italic capital r
u+1D446	S	S	S	S	S	S	S	\mitS	mathematical italic capital s
u+1D447	T	T	T	T	T	T	T	\mitT	mathematical italic capital t
u+1D448	U	U	U	U	U	U	U	\mitU	mathematical italic capital u
u+1D449	V	V	V	V	V	V	V	\mitV	mathematical italic capital v
U+1D44A	W	W	W	W	W	W	W	\mitW	mathematical italic capital w
U+1D44B	X	X	X	X	\boldsymbol{X}	X	X	\mitX	mathematical italic capital x
U+1D44C	Y	Y	Y	Υ	Y	Y	Y	\mitY	mathematical italic capital y
U+1D44D	Z	Z	Z	Z	Z	Z	Z	\mitZ	mathematical italic capital z

15.1.4 Italic, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D44E	a	a	a	а	а	a	а	\mita	mathematical italic small a
U+1D44F	b	b	b	b	b	b	b	\mitb	mathematical italic small b

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D450	c	c	c	С	C	с	С	\mitc	mathematical italic small c
U+1D451	d	d	d	d	d	d	d	\mitd	mathematical italic small d
U+1D452	e	e	e	е	e	e	e	\mite	mathematical italic small e
U+1D453	f	f	f	f	f	f	f	\mitf	mathematical italic small f
U+1D454	g	g	g	g	g	g	g	\mitg	mathematical italic small g
U+1D456	i	i	i	i	i	i	i	\miti	mathematical italic small i
U+1D457	j	j	j	j	j	j	j	\mitj	mathematical italic small j
U+1D458	k	k	k	k	k	k	k	\mitk	mathematical italic small k
U+1D459	l	l	l	l	1	l	l	\mitl	mathematical italic small l
U+1D45A	m	m	m	m	m	m	m	\mitm	mathematical italic small m
U+1D45B	n	n	n	n	n	n	n	\mitn	mathematical italic small n
U+1D45C	0	0	0	0	0	0	0	\mito	mathematical italic small o
U+1D45D	p	p	p	p	p	p	p	\mitp	mathematical italic small p
U+1D45E	q	q	q	q	q	q	9	\mitq	$mathematical\ italic\ small\ q$
U+1D45F	r	r	r	r	r	r	r	\mitr	mathematical italic small r
U+1D460	s	S	S	S	S	s	S	\mits	mathematical italic small s
U+1D461	t	t	t	t	t	t	t	\mitt	mathematical italic small t
U+1D462	u	и	и	и	и	u	и	\mitu	mathematical italic small u
U+1D463	v	υ	υ	v	υ	v	v	\mitv	mathematical italic small v
U+1D464	w	w	w	w	w	w	w	\mitw	mathematical italic small w
U+1D465	x	x	x	x	X	x	\boldsymbol{x}	\mitx	mathematical italic small x
U+1D466	y	y	y	y	У	y	у	\mity	mathematical italic small y
u+1D467	z	Z	z	z	z	z	z	\mitz	mathematical italic small z

15.1.5 Italic Greek, uppercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D6E2	A	A	A	A	A	A	A	\mitAlpha	mathematical italic capital alpha
U+1D6E3	B	\boldsymbol{B}	B	B	B	B	B	\mitBeta	mathematical italic capital beta
U+1D6E4	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mitGamma	mathematical italic capital gamma
U+1D6E5	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mitDelta	mathematical italic capital delta
U+1D6E6	E	E	E	E	E	E	E	\mitEpsilon	mathematical italic capital epsilon
U+1D6E7	Z	Z	\boldsymbol{Z}	Z	\boldsymbol{Z}	Z	Z	\mitZeta	mathematical italic capital zeta

USV	M	S	E	P	D	L	G	Macro	Description
U+1D6E8	H	Н	H	Н	Н	Н	Н	\mitEta	mathematical italic capital eta
U+1D6E9	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mitTheta	mathematical italic capital theta
u+1d6ea	I	I	I	I	I	I	I	\mitIota	mathematical italic capital iota
u+1D6ев	K	K	K	K	K	K	K	\mitKappa	mathematical italic capital kappa
u+1D6ec	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mitLambda	mathematical italic capital lambda
U+1D6ED	M	M	M	M	M	M	M	\mitMu	mathematical italic capital mu
U+1D6EE	N	N	N	N	N	N	N	\mitNu	mathematical italic capital nu
U+1D6EF	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	$\mathcal{\Xi}$	\mitXi	mathematical italic capital xi
U+1D6F0	0	0	0	0	0	0	0	\mitOmicron	mathematical italic capital omicron
U+1D6F1	П	П	П	Π	Π	Π	П	\mitPi	mathematical italic capital pi
U+1D6F2	P	P	P	P	P	P	P	\mitRho	mathematical italic capital rho
U+1D6F3	Θ	θ	θ	Θ	θ	θ	θ	\mitvarTheta	mathematical italic capital theta symbol
U+1D6F4	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mitSigma	mathematical italic capital sigma
U+1D6F5	T	T	T	T	T	T	T	\mitTau	mathematical italic capital tau
U+1D6F6	Υ	Υ	Υ	Y	Υ	Y	Υ	\mitUpsilon	mathematical italic capital upsilon
U+1D6F7	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mitPhi	mathematical italic capital phi
U+1D6F8	X	X	X	X	\boldsymbol{X}	X	X	\mitChi	mathematical italic capital chi
u+1D6F9	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mitPsi	mathematical italic capital psi
u+1d6fa	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mitOmega	mathematical italic capital omega

15.1.6 Italic Greek, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D6FC	α	α	α	α	α	α	α	\mitalpha	mathematical italic small alpha
U+1D6FD	β	β	β	β	β	β	eta \mitbeta		mathematical italic small beta
U+1D6FE	γ	γ	γ	γ	γ	γ	γ	\mitgamma	mathematical italic small
U+1D6FF	δ	δ	δ	δ	δ	δ	8	\mitdelta	mathematical italic small delta
U+1D700	ε	ε	ε	ε	ε	ε	ε	\mitvarepsilon	mathematical italic small varepsilon
U+1D701	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mitzeta	mathematical italic small zeta
U+1D702	η	η	η	η	η	η	η	\miteta	mathematical italic small eta

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D703	θ	θ	θ	θ	θ	θ	θ	\mittheta	mathematical italic small theta
u+1D704	ι	ι	ι	l	ι	l	l	\mitiota	mathematical italic small iota
U+1D705	κ	κ	κ	κ	K	κ	κ	$\mbox{mitkappa}$	mathematical italic small kappa
U+1D706	λ	λ	λ	λ	λ	λ	λ	\mitlambda	mathematical italic small lambda
U+1D707	μ	μ	μ	μ	μ	μ	μ	\mitmu	mathematical italic small mu
U+1D708	ν	ν	ν	ν	ν	ν	ν	\mitnu	mathematical italic small nu
U+1D709	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mitxi	mathematical italic small xi
U+1D70A	0	0	0	0	0	0	0	\mitomicron	mathematical italic small omi-
u+1D70в	π	π	π	π	Π	π	π	\mitpi	mathematical italic small pi
U+1D70C	ho	ρ	ρ	ρ	ρ	ρ	p	\mitrho	mathematical italic small rho
U+1D70D	ς	5	ς	ς	ς	ς	5	\mitvarsigma	mathematical italic small final sigma
U+1D70E	σ	σ	σ	σ	σ	σ	σ	\mitsigma	mathematical italic small sigma
U+1D70F	au	τ	τ	τ	τ	τ	τ	\mittau	mathematical italic small tau
U+1D710	v	υ	v	v	υ	υ	υ	\mitupsilon	mathematical italic small upsilon
U+1D711	φ	φ	φ	φ	$\boldsymbol{\varphi}$	φ	φ	\mitvarphi	mathematical italic small phi
U+1D712	χ	χ	χ	χ	χ	χ	χ	\mitchi	mathematical italic small chi
U+1D713	ψ	ψ	ψ	ψ	Ψ	ψ	ψ	\mitpsi	mathematical italic small psi
U+1D714	ω	ω	ω	ω	ω	ω	ω	\mitomega	mathematical italic small omega
U+1D715	∂	д	д	9	д	д	д	\mitpartial	mathematical italic partial differential
U+1D716	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	ϵ	\mitepsilon	mathematical italic varepsilon symbol
U+1D717	ϑ	θ	θ	θ	θ	θ	д	\mitvartheta	mathematical italic theta symbol
U+1D718	и	χ	κ	и	X	и	х	\mitvarkappa	mathematical italic kappa symbol
U+1D719	ϕ	ϕ	ϕ	φ	φ	ϕ	ϕ	\mitphi	mathematical italic phi symbol
U+1D71A	Q	g	Q	Q	Q	Q	е	\mitvarrho	mathematical italic rho symbol
U+1D71B	ϖ	ϖ	Ø	ω	$\overline{\omega}$	Ø	Ø	\mitvarpi	mathematical italic pi symbol

15.1.7 Script, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D49C	\mathcal{A}	\mathcal{A}	\mathcal{A}	\mathcal{A}	A	\mathscr{A}	\mathcal{A}	\mscrA	mathematical script capital a
U+1D49E	${\mathcal C}$	$\mathcal C$	\mathscr{C}	\mathcal{C}	\mathcal{C}	\mathscr{C}	\mathscr{C}	\mscrC	mathematical script capital c

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D49F	\mathcal{D}	\mathcal{D}	2	D	\mathcal{D}	D	20	\mscrD	mathematical script capital d
U+1D4A2	\mathcal{G}	\mathcal{G}	\mathscr{G}	G	\mathcal{G}	${\mathscr G}$	${\mathscr G}$	\mscrG	mathematical script capital g
U+1D4A5	\mathcal{J}	\mathcal{J}	J	J	J	\mathcal{J}	\mathcal{J}	\mscrJ	mathematical script capital j
U+1D4A6	$\mathcal K$	${\mathcal K}$	${\mathcal K}$	$\mathcal K$	κ	${\mathscr K}$	${\mathscr K}$	\mscrK	mathematical script capital k
U+1D4A9	\mathcal{N}	${\mathcal N}$	\mathcal{N}	\mathcal{N}	\mathcal{N}	\mathcal{N}	\mathcal{N}	\mscrN	mathematical script capital n
U+1D4AA	\mathcal{O}	\mathcal{O}	0	O	O	0	0	\mscr0	mathematical script capital o
U+1D4AB	${\mathcal P}$	${\cal P}$	P	\mathcal{P}	P	\mathscr{P}	P	\mscrP	mathematical script capital p
U+1D4AC	\mathcal{Q}	\mathcal{Q}	2	Q	Q	Q	Q	\mscrQ	mathematical script capital q
U+1D4AE	\mathcal{S}	\mathcal{S}	\mathscr{S}	5	S	S	S	\mscrS	mathematical script capital s
U+1D4AF	$\mathcal T$	${\mathcal F}$	\mathcal{T}	\mathcal{T}	T	${\mathscr T}$	\mathcal{T}	\mscrT	mathematical script capital t
U+1D4BO	\mathcal{U}	u	\mathscr{U}	u	\mathcal{U}	\mathcal{U}	\mathcal{U}	\mscrU	mathematical script capital u
U+1D4B1	\mathcal{V}	ν	7⁄	U	v	V	${\mathcal V}$	\mscrV	mathematical script capital v
U+1D4B2	\mathcal{W}	w	W	ω	w	W	W	\mscrW	mathematical script capital w
U+1D4B3	\mathcal{X}	\boldsymbol{x}	\mathscr{X}	χ	χ	${\mathscr X}$	${\mathscr X}$	\mscrX	mathematical script capital x
U+1D4B4	y	\mathcal{Y}	¥	y	y	¥	¥	\mscrY	mathematical script capital y
U+1D4B5	\mathcal{Z}	z	\mathcal{I}	Z	Z	${\mathcal Z}$	${\mathcal Z}$	\mscrZ	mathematical script capital z
									• •

15.1.8 Script, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D4B6		а		a	a	a	a	\mscra	mathematical script small a
U+1D4B7		Б		в	Ь	\mathscr{C}	\mathscr{C}	\mscrb	mathematical script small b
U+1D4B8		c		c	C	c	\boldsymbol{c}	\mscrc	mathematical script small c
U+1D4B9		d		d	d	d	d	\mscrd	mathematical script small d
U+1D4BB		f		f	f	f	f	\mscrf	mathematical script small f
U+1D4BD		ĥ		h	h	ħ	ħ	\mscrh	mathematical script small h
U+1D4BE		i		i	i	i	i	\mscri	mathematical script small i
U+1D4BF		j		j	j	$\dot{\mathcal{I}}$	$\dot{\mathcal{I}}$	\mscrj	mathematical script small j
U+1D4C0		k		k	K	Ŕ	k	\mscrk	mathematical script small k
U+1D4C1		ℓ		ℓ	L	ℓ	ℓ	\mscrl	mathematical script small l
U+1D4C2		m		m	m	m	m	\mscrm	mathematical script small m
U+1D4C3		n		n	n	n	n	\mscrn	mathematical script small n
U+1D4C5		p		P	p	P	P	\mscrp	mathematical script small p
U+1D4C6		q		q	9	q	q	\mscrq	mathematical script small q

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D4C7		r		K	r	1	r	\mscrr	mathematical script small r
U+1D4C8		S		5	J	3	3	\mscrs	mathematical script small s
U+1D4C9		t		t	t	t	t	\mscrt	mathematical script small t
U+1D4CA		u		u	и	u	u	\mscru	mathematical script small u
U+1D4CB		v		v	ν	v	v	\mscrv	mathematical script small v
U+1D4CC		w		w	w	w	w	\mscrw	mathematical script small w
U+1D4CD		x		\boldsymbol{x}	$\boldsymbol{\varkappa}$	\boldsymbol{x}	\boldsymbol{x}	\mscrx	mathematical script small x
U+1D4CE		y		y	y	¥	y	\mscry	mathematical script small y
U+1D4CF		z		z	Z	z	*	\mscrz	mathematical script small z

15.1.9 Fraktur, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D504	\mathfrak{A}	U	\mathfrak{A}	\mathfrak{A}	\mathfrak{A}	U	A	\mfrakA	mathematical fraktur capital a
U+1D505	\mathfrak{B}	\mfrakB	mathematical fraktur capital b						
U+1D507	\mathfrak{D}	D	\mathfrak{D}	\mathfrak{D}	\mathfrak{D}	D	\mathfrak{D}	\mfrakD	mathematical fraktur capital d
U+1D508	Œ	Œ	Œ	Œ	Œ	Œ	\mathfrak{E}	\mfrakE	mathematical fraktur capital e
U+1D509	\mathfrak{F}	\mfrakF	mathematical fraktur capital f						
U+1D50A	\mathfrak{G}	ß	\mathfrak{G}	G	\mathfrak{G}	ß	\mathfrak{G}	\mfrakG	mathematical fraktur capital g
U+1D50D	\mathfrak{J}	\mathfrak{F}	\mathfrak{J}	\mathfrak{J}	\mathfrak{J}	\mathfrak{F}	I	\mfrakJ	mathematical fraktur capital j
U+1D50E	Ŗ	R	A	R	A	R	Я	\mfrakK	mathematical fraktur capital k
U+1D50F	\mathfrak{L}	\mathfrak{Q}	\mathfrak{L}	\mathfrak{L}	\mathfrak{L}	\mathfrak{Q}	\mathfrak{L}	\mfrakL	mathematical fraktur capital l
U+1D510	M	M	M	M	\mathfrak{M}	M	M	\mfrakM	mathematical fraktur capital m
U+1D511	N	N	N	N	N	N	\mathfrak{N}	\mfrakN	mathematical fraktur capital n
U+1D512	O	D	D	O	D	D	D	\mfrak0	mathematical fraktur capital o
U+1D513	\mathfrak{P}	\mathfrak{P}	P	\mathfrak{P}	\mathfrak{P}	P	\mathfrak{P}	\mfrakP	mathematical fraktur capital p
U+1D514	Q	Q	Q	\mathfrak{Q}	Q	Q	Q	\mfrakQ	mathematical fraktur capital q
U+1D516	\mathfrak{S}	S	S	\mathfrak{S}	6	S	S	\mfrakS	mathematical fraktur capital s
U+1D517	\mathfrak{T}	T	\mathfrak{T}	\mathfrak{T}	\mathfrak{T}	T	\mathfrak{T}	\mfrakT	mathematical fraktur capital t
U+1D518	\mathfrak{U}	\mathfrak{u}	\mathfrak{U}	\mathfrak{U}	\mathfrak{U}	u	u	\mfrakU	mathematical fraktur capital u
U+1D519	V	\mathfrak{V}	V	V	V	\mathfrak{V}	\mathfrak{V}	\mfrakV	mathematical fraktur capital v
U+1D51A	W	W	W	W	W	203	W	\mfrakW	mathematical fraktur capital w
U+1D51B	\mathfrak{X}	x	\mathfrak{X}	\mathfrak{X}	\mathfrak{X}	X	\mathfrak{X}	\mfrakX	mathematical fraktur capital x
U+1D51C	Ŋ	\mathfrak{Y}	Ŋ	\mathfrak{Y}	Ŋ	\mathfrak{Y}	Ŋ	\mfrakY	mathematical fraktur capital y

15.1.10 Fraktur, Latin, lowercase

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D51E	a	a	a	a	a	a	a	\mfraka	mathematical fraktur small a
U+1D51F	b	\mathfrak{b}	b	в	b	\mathfrak{b}	b	\mfrakb	mathematical fraktur small b
U+1D520	c	c	c	c	c	c	c	\mfrakc	mathematical fraktur small c
U+1D521	ð	b	ð	ð	0	b	р	\mfrakd	mathematical fraktur small d
U+1D522	e	e	e	e	e	e	e	\mfrake	mathematical fraktur small e
U+1D523	f	f	f	f	f	f	f	\mfrakf	mathematical fraktur small f
U+1D5 2 4	\mathfrak{g}	\mfrakg	mathematical fraktur small g						
U+1D525	ħ	\mathfrak{h}	\mathfrak{h}	\mathfrak{h}	\mathfrak{h}	\mathfrak{h}	ħ	\mfrakh	mathematical fraktur small h
u+1D526	i	į	i	i	i	į	į	\mfraki	mathematical fraktur small i
U+1D527	j	ţ	j	j	j	ţ	į	\mfrakj	mathematical fraktur small j
U+1D528	ŧ	ť	ŧ	ŧ	ŧ	ŧ	ŧ	\mfrakk	mathematical fraktur small k
U+1D5 2 9	ľ	\mathfrak{l}	l	Į	I	\mathfrak{l}	I	\mfrakl	mathematical fraktur small l
U+1D52A	m	m	m	m	m	m	m	\mfrakm	mathematical fraktur small m
U+1D52B	n	n	n	n	n	n	n	\mfrakn	mathematical fraktur small n
U+1D5 2 C	0	o	0	0	0	o	o	\mfrako	mathematical fraktur small o
U+1D5 2 D	p	þ	p	p	p	þ	p	\mfrakp	mathematical fraktur small p
U+1D5 2 E	q	q	q	q	q	q	q	\mfrakq	mathematical fraktur small q
U+1D5 2 F	r	r	r	r	r	r	r	\mfrakr	mathematical fraktur small r
U+1D530	\mathfrak{s}	ŝ	\$	\mathfrak{s}	$\mathfrak s$	ß	5	\mfraks	mathematical fraktur small s
U+1D531	ŧ	t	ŧ	ŧ	ŧ	t	t	\mfrakt	mathematical fraktur small t
U+1D532	u	u	u	u	u	u	u	\mfraku	mathematical fraktur small u
U+1D533	v	b	v	v	b	b	v	\mfrakv	mathematical fraktur small v
U+1D534	w	m	w	w	w	m	w	\mfrakw	mathematical fraktur small w
U+1D535	ŗ	¥	ŗ	ŗ	ŗ	¥	x	\mfrakx	mathematical fraktur small x
U+1D536	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	\mfraky	mathematical fraktur small y
U+1D537	3	3	3	3	3	3	3	\mfrakz	mathematical fraktur small z

15.1.11 Blackboard, Latin, uppercase

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D538	A	A	A	A	A	A	A	\BbbA	mathematical double-struck capital a
U+1D539	\mathbb{B}	\BbbB	mathematical double-struck capital b						
u+1D53в	\mathbb{D}	D	D	\mathbb{D}	\mathbb{D}	\mathbb{D}	D	\BbbD	mathematical double-struck capital d
u+1D53C	E	E	E	E	E	E	E	\BbbE	mathematical double-struck capital e
U+1D53D	F	F	F	\mathbb{F}	F	\mathbb{F}	F	\BbbF	mathematical double-struck capital f
U+1D53E	G	G	G	G	G	G	G	\BbbG	mathematical double-struck capital g
u+1D540	0		0	I	I	I	I	\BbbI	mathematical double-struck capital i
u+1D541	J	J	J	J	J	J	J	\BbbJ	mathematical double-struck capital j
U+1D542	K	K	K	K	K	\mathbb{K}	\mathbb{K}	\BbbK	mathematical double-struck capital k
U+1D543	L	L	L	L	L	\mathbb{L}	\mathbb{L}	\BbbL	mathematical double-struck capital l
u+1D544	M	M	M	M	M	I M	M	\BbbM	mathematical double-struck capital m
u+1D546	0	0	0	0	0	0	0	\Bbb0	mathematical double-struck capital o
u+1D54A	\$	S	\$	S	S	S	S	\BbbS	mathematical double-struck capital s
U+1D54B	T	T	T	\mathbb{T}	T	T	T	\BbbT	mathematical double-struck capital t
u+1D54C	\mathbb{U}	\BbbU	mathematical double-struck capital u						
u+1D54D	\bigvee	\mathbb{V}	\mathbb{V}	\mathbb{V}	\mathbb{V}	V	\mathbb{V}	\BbbV	mathematical double-struck capital v
U+1D54E	\mathbb{W}	W	W	W	W	W	W	\BbbW	mathematical double-struck capital w
u+1D54F	X	X	X	X	\mathbb{X}	X	\mathbb{X}	\BbbX	mathematical double-struck capital x
U+1D550	Y	Y	Y	Y	Y	Y	Y	\BbbY	mathematical double-struck capital y

15.1.12 Blackboard, Latin, lowercase

USV	M	S	E	P	D	L	G	Macro	Description
U+1D552	0	а	а	a	a	a	a	\Bbba	mathematical double-struck small a
U+1D553	b	b	b	b	b	Ъ	b	\Bbbb	mathematical double-struck small b
U+1D554	C	\mathbb{C}	C	C	C	C	С	\Bbbc	mathematical double-struck

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D555	d	d	d	d	d	d	d	\Bbbd	mathematical double-struck small d
U+1D556	e	e	e	e	e	e	e	\Bbbe	mathematical double-struck small e
U+1D557	F	f	ſf	ſ	f	f	f	\Bbbf	mathematical double-struck small f
U+1D558	9	g	90	æ	g	9	g	\Bbbg	mathematical double-struck small g
U+1D559	h	h	h	h	h	h	h	\Bbbh	mathematical double-struck small h
U+1D55A	Ô	Ö	ů	ı	i	i	i	\Bbbi	mathematical double-struck small i
U+1D55B	ĵ	j	j	j	j	j	j	\Bbbj	mathematical double-struck small j
U+1D55C	k	k	k	k	k	k	k	$\mathbf{\backslash Bbbk}^{(a)}$	mathematical double-struck small k
U+1D55D	Q	1	1	1	1	1	1	\Bbb1	mathematical double-struck small l
U+1D55E	m	m	m	m	m	m	1111	\Bbbm	mathematical double-struck small m
U+1D55F	n	n	m	n	n	n	n	\Bbbn	mathematical double-struck small n
U+1D560	0	0	0	0	0	0	0	\Bbbo	mathematical double-struck small o
U+1D561	þ	p	P	\mathbb{P}	P	p	P	\Bbbp	mathematical double-struck small p
U+1D562	P	q	P	P	q	q	q	\Bbbq	mathematical double-struck small q
U+1D563	r	r	II°	II°	r	r	r	\Bbbr	mathematical double-struck small r
U+1D564	\$	S	S	S	S	\$	S	\Bbbs	mathematical double-struck small s
U+1D565	t	t	t	t	t	t	t	\Bbbt	mathematical double-struck small t
U+1D566	u	u	u	u	u	u	u	\Bbbu	mathematical double-struck small u
U+1D567	V	\mathbb{V}	∇	\mathbb{V}	V	\mathbf{v}	V	\Bbbv	mathematical double-struck small v
U+1D568	₩	W	W	W	W	W	W	\Bbbw	mathematical double-struck small w
U+1D569	X	X	X	X	X	X	X	\Bbbx	mathematical double-struck small x
u+1D56A	У	y	У	y	y	\mathbf{y}	у	\Bbby	mathematical double-struck small y
u+1D56в	Z	Z	Z	Z	Z	Z	Z	\Bbbz	mathematical double-struck small z

15.1.13 Sans serif, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D5A0	Α	Α	Α	Α	Α	A	A	\msansA	mathematical sans-serif capital a
U+1D5A1	В	В	В	В	В	В	В	\msansB	mathematical sans-serif capital b
U+1D5A2	С	С	С	С	С	C	С	\msansC	mathematical sans-serif capital c
U+1D5A3	D	D	D	D	D	D	D	\msansD	mathematical sans-serif capital d
U+1D5A4	Е	E	Е	Е	Е	Е	Е	\msansE	mathematical sans-serif capital e
U+1D5A5	F	F	F	F	F	F	F	\msansF	mathematical sans-serif capital f
u+1D5A6	G	G	G	G	G	G	G	\msansG	mathematical sans-serif capital g
U+1D5A7	Н	Н	Н	Н	Н	Н	Н	\msansH	mathematical sans-serif capital h
u+1D5A8	I	1	1	-1	-1	-1	I	\msansI	mathematical sans-serif capital i
U+1D5A9	J	J	J	J	J	J	J	\msansJ	mathematical sans-serif capital j
U+1D5AA	K	K	K	K	K	K	K	\msansK	mathematical sans-serif capital k
U+1D5AB	L	L	L	L	L	L	L	\msansL	mathematical sans-serif capital l
U+1D5AC	М	М	M	M	M	M	M	\msansM	mathematical sans-serif capital m
u+1D5AD	N	N	N	N	N	N	N	\msansN	mathematical sans-serif capital n
U+1D5AE	0	0	Ο	0	0	O	O	\msans0	mathematical sans-serif capital o
U+1D5AF	Р	Р	Р	Р	Р	P	P	\msansP	mathematical sans-serif capital p
U+1D5BO	Q	Q	Q	Q	Q	Q	Q	\msansQ	mathematical sans-serif capital q
U+1D5B1	R	R	R	R	R	R	R	\msansR	mathematical sans-serif capital r
U+1D5B2	S	S	S	S	S	S	S	\msansS	mathematical sans-serif capital s
U+1D5B3	Т	Т	Т	Т	Т	Т	Т	\msansT	mathematical sans-serif capital t
U+1D5B4	U	U	U	U	U	U	U	\msansU	mathematical sans-serif capital u
U+1D5B5	V	V	V	٧	V	V	V	\msansV	mathematical sans-serif capital v
U+1D5B6	W	W	W	W	W	W	W	\msansW	mathematical sans-serif capital w
U+1D5B7	X	Χ	Χ	Χ	X	X	X	\msansX	mathematical sans-serif capital x
U+1D5B8	Υ	Υ	Υ	Υ	Υ	Y	Υ	\msansY	mathematical sans-serif capital y
U+1D5B9	Z	Z	Z	Z	Z	Z	Z	\msansZ	mathematical sans-serif capital z

15.1.14 Sans serif, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D5BA	а	a	а	а	a	a	a	\msansa	mathematical sans-serif small a
U+1D5BB	b	b	b	b	b	b	b	\msansb	mathematical sans-serif small b
U+1D5BC	С	С	С	С	С	С	С	\msansc	mathematical sans-serif small c
U+1D5BD	d	d	d	d	d	d	d	\msansd	mathematical sans-serif small d
U+1D5BE	е	е	е	е	е	e	e	\msanse	mathematical sans-serif small e
U+1D5BF	f	f	f	f	f	f	f	\msansf	mathematical sans-serif small f
U+1D5C0	g	g	g	g	g	g	g	\msansg	$mathematical \ sans-serif \ small \ g$
U+1D5C1	h	h	h	h	h	h	h	\msansh	mathematical sans-serif small h
U+1D5C2	i	i	i	i	i	i	i	\msansi	mathematical sans-serif small i
U+1D5C3	j	j	j	j	j	j	j	\msansj	mathematical sans-serif small j
U+1D5C4	k	k	k	k	k	k	k	\msansk	mathematical sans-serif small k
U+1D5C5	-1	l	1	-1	-1	1	1	\msansl	mathematical sans-serif small l
U+1D5C6	m	m	m	m	m	m	m	\msansm	mathematical sans-serif small m
U+1D5C7	n	n	n	n	n	n	n	\msansn	mathematical sans-serif small n
U+1D5C8	0	0	0	0	0	0	0	\msanso	mathematical sans-serif small o
U+1D5C9	p	p	p	p	p	p	p	\msansp	mathematical sans-serif small p
U+1D5CA	q	q	q	q	q	q	q	\msansq	$mathematical \ sans-serif \ small \ q$
U+1D5CB	r	r	r	r	r	r	r	\msansr	mathematical sans-serif small r
U+1D5CC	S	S	S	S	S	S	S	\msanss	mathematical sans-serif small s
U+1D5CD	t	t	t	t	t	t	t	\msanst	mathematical sans-serif small t
U+1D5CE	u	u	u	u	u	u	u	\msansu	mathematical sans-serif small u
U+1D5CF	٧	٧	V	٧	٧	V	V	\msansv	mathematical sans-serif small v
U+1D5D0	W	W	W	W	W	W	w	\msansw	mathematical sans-serif small w
U+1D5D1	X	Х	X	Χ	X	X	X	\msansx	mathematical sans-serif small x
U+1D5D2	у	у	у	у	У	у	у	\msansy	mathematical sans-serif small y
U+1D5D3	z	Z	Z	Z	Z	Z	Z	\msansz	mathematical sans-serif small z

15.1.15 Italic sans serif, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D608	Α	Α	Α	Α	Α	A	A	\mitsansA	mathematical sans-serif italic

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D609	В	В	В	В	В	В	В	\mitsansB	mathematical sans-serif italic capital b
U+1D60A	C	С	C	С	С	C	C	\mitsansC	mathematical sans-serif italic capital c
u+1D60в	D	D	D	D	D	D	D	\mitsansD	mathematical sans-serif italic capital d
U+1D60C	Ε	Ε	E	Ε	Ε	Ε	Ε	\mitsansE	mathematical sans-serif italic capital e
U+1D60D	F	F	F	F	F	F	F	\mitsansF	mathematical sans-serif italic capital f
U+1D60E	G	G	G	G	G	G	G	\mitsansG	mathematical sans-serif italic capital g
U+1D60F	Н	Η	Н	Н	Н	Н	Н	\mitsansH	mathematical sans-serif italic capital h
U+1D610	1	I	1	I	I	Ι	I	\mitsansI	mathematical sans-serif italic capital i
U+1D611	J	J	J	J	J	J	J	\mitsansJ	mathematical sans-serif italic capital j
U+1D612	K	K	K	K	K	K	K	\mitsansK	mathematical sans-serif italic capital k
U+1D613	L	L	L	L	L	L	L	\mitsansL	mathematical sans-serif italic capital l
u+1D614	Μ	Μ	M	М	М	М	М	\mitsansM	mathematical sans-serif italic capital m
U+1D615	Ν	Ν	Ν	Ν	Ν	Ν	Ν	\mitsansN	mathematical sans-serif italic capital n
U+1D616	0	0	0	0	0	0	0	\mitsans0	mathematical sans-serif italic capital o
U+1D617	Р	Р	P	Р	Р	P	Р	\mitsansP	mathematical sans-serif italic capital p
U+1D618	Q	Q	Q	Q	Q	Q	Q	\mitsansQ	mathematical sans-serif italic capital q
u+1D619	R	R	R	R	R	R	R	\mitsansR	mathematical sans-serif italic capital r
U+1D61A	5	S	5	5	5	S	S	\mitsansS	mathematical sans-serif italic capital s
U+1D61B	T	Τ	T	Τ	Τ	T	T	\mitsansT	mathematical sans-serif italic capital t
U+1D61C	U	U	U	U	U	U	U	\mitsansU	mathematical sans-serif italic capital u
U+1D61D	V	V	V	V	V	V	V	\mitsansV	mathematical sans-serif italic capital v
U+1D61E	W	W	W	W	W	W	W	\mitsansW	mathematical sans-serif italic capital w
U+1D61F	X	Χ	X	Χ	X	X	X	\mitsansX	mathematical sans-serif italic capital x
U+1D620	Y	Υ	Y	Y	Y	Y	Y	\mitsansY	mathematical sans-serif italic capital y
U+1D621	Z	Ζ	Z	Z	Z	Z	Z	\mitsansZ	mathematical sans-serif italic capital z

15.1.16 Italic sans serif, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D622	а	а	a	а	а	а	а	\mitsansa	mathematical sans-serif italic small a
U+1D623	Ь	b	b	b	b	b	b	\mitsansb	mathematical sans-serif italic small b
U+1D624	С	С	C	С	С	С	С	\mitsansc	mathematical sans-serif italic small c
U+1D625	d	d	d	d	d	d	d	\mitsansd	mathematical sans-serif italic small d
U+1D626	e	e	e	e	e	e	e	\mitsanse	mathematical sans-serif italic small e
U+1D627	f	f	f	f	f	f	f	\mitsansf	mathematical sans-serif italic small f
U+1D628	g	g	g	g	g	g	g	\mitsansg	mathematical sans-serif italic small g
U+1D629	h	h	h	h	h	h	h	\mitsansh	mathematical sans-serif italic small h
U+1D62A	i	i	i	i	i	i	i	\mitsansi	mathematical sans-serif italic small i
U+1D6 2 B	j	j	j	j	j	j	j	\mitsansj	mathematical sans-serif italic small j
U+1D6 2 C	k	k	k	k	k	k	k	\mitsansk	mathematical sans-serif italic small k
U+1D62D	1	l	I	1	I	l	l	\mitsansl	mathematical sans-serif italic small l
U+1D6 2 E	m	m	m	m	m	m	m	\mitsansm	mathematical sans-serif italic small m
U+1D6 2 F	n	n	n	n	n	n	n	\mitsansn	mathematical sans-serif italic small n
U+1D630	0	0	0	0	0	0	0	\mitsanso	mathematical sans-serif italic small o
U+1D631	p	p	p	p	p	p	p	\mitsansp	mathematical sans-serif italic small p
U+1D632	q	q	q	q	q	q	q	\mitsansq	mathematical sans-serif italic small q
U+1D633	r	r	r	r	r	r	r	\mitsansr	mathematical sans-serif italic small r
U+1D634	5	S	5	5	S	S	S	\mitsanss	mathematical sans-serif italic small s
U+1D635	t	t	t	t	t	t	t	\mitsanst	mathematical sans-serif italic small t
U+1D636	и	и	и	и	и	и	и	\mitsansu	mathematical sans-serif italic small u
U+1D637	V	V	V	V	V	V	V	\mitsansv	mathematical sans-serif italic small v
U+1D638	W	W	W	W	W	W	W	\mitsansw	mathematical sans-serif italic small w
U+1D639	X	Χ	X	X	X	X	X	\mitsansx	mathematical sans-serif italic small x

USV	M	S	E	P	D	L	G	Macro	Description
U+1D63A	У	У	У	У	У	y	y	\mitsansy	mathematical sans-serif italic small y
u+1D63в	Z	Z	Z	Z	Z	Z	Z	\mitsansz	mathematical sans-serif italic small z

15.1.17 Typewriter, Latin, uppercase

usv	M	S	Е	P	D	L	G	Macro	Description
u+1D6 7 0	A	A	A	A	Α	A	A	\mttA	mathematical monospace capital a
u+1D6 7 1	В	В	В	В	В	В	В	\mttB	mathematical monospace capital b
u+1D6 72	C	С	С	С	С	С	C	\mttC	mathematical monospace capital c
U+1D673	D	D	D	D	D	D	D	\mttD	mathematical monospace capital d
U+1D674	E	Е	E	Е	E	Е	Е	\mttE	mathematical monospace capital e
J +1 D675	F	F	F	F	F	F	F	\mttF	mathematical monospace capital f
U+1D676	G	G	G	G	G	G	G	\mttG	mathematical monospace capital g
J +1D677	Н	Н	Н	Н	Н	Н	Н	\mttH	mathematical monospace capital h
J +1 D678	I	Ι	I	Ι	Ι	Ι	Ι	\mttI	mathematical monospace capital i
J+1D679	J	J	J	J	J	J	J	\mttJ	mathematical monospace capital j
J+1D67A	K	K	K	K	K	K	K	\mttK	mathematical monospace capital k
л+1D6 7 в	L	L	L	L	L	L	L	\mttL	mathematical monospace capital l
J+1D67C	M	M	M	M	M	M	M	\mttM	mathematical monospace capital m
J+1D67D	N	N	N	N	N	N	N	\mttN	mathematical monospace capital n
J +1D67E	0	0	0	0	0	0	0	\mtt0	mathematical monospace capital o
J+1D67F	P	Р	P	P	P	P	P	\mttP	mathematical monospace capital p
J+1D680	Q	Q	Q	Q	Q	Q	Q	\mttQ	mathematical monospace capital q
J+1D681	R	R	R	R	R	R	R	\mttR	mathematical monospace capital r
J+1D682	S	S	S	S	S	S	S	\mttS	mathematical monospace capital s

USV	M	S	E	P	D	L	G	Macro	Description
U+1D683	Т	Т	Т	T	Т	Т	Т	\mttT	mathematical monospace capital t
U+1D684	U	U	U	U	U	U	U	\mttU	mathematical monospace capital u
U+1D685	V	V	V	V	V	V	V	\mttV	mathematical monospace capital \mathbf{v}
U+1D686	W	W	W	W	W	W	W	\mttW	mathematical monospace capital w
U+1D687	X	X	X	X	Χ	X	X	\mttX	mathematical monospace capital x
U+1D688	Y	Y	Y	Y	Υ	Y	Y	\mttY	mathematical monospace capital y
U+1D689	Z	Z	Z	Z	Z	Z	Z	\mttZ	mathematical monospace capital z

15.1.18 Typewriter, Latin, lowercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D68A	a	a	a	a	a	a	a	\mtta	mathematical monospace small a
U+1D68в	b	b	b	b	b	b	b	\mttb	mathematical monospace small b
U+1D68C	С	С	С	С	С	С	С	\mttc	mathematical monospace small c
U+1D68D	d	d	d	d	d	d	d	\mttd	mathematical monospace small d
U+1D68E	е	е	е	е	е	е	е	\mtte	mathematical monospace small e
U+1D68F	f	f	f	f	f	f	f	\mttf	mathematical monospace small f
U+1D690	g	g	g	g	g	g	g	\mttg	mathematical monospace small g
U+1D691	h	h	h	h	h	h	h	\mtth	mathematical monospace small h
U+1D692	i	i	i	i	i	i	i	\mtti	mathematical monospace small i
U+1D693	j	j	j	j	j	j	j	\mttj	mathematical monospace small j
u+1D694	k	k	k	k	k	k	k	\mttk	mathematical monospace small k
U+1D695	1	1	1	1	l	1	1	\mttl	mathematical monospace small l
U+1D696	m	m	m	m	m	m	m	\mttm	mathematical monospace small m
U+1D697	n	n	n	n	n	n	n	\mttn	mathematical monospace small n

USV	M	S	Е	Р	D	L	G	Macro	Description
u+1D698	0	0	0	0	0	0	0	\mtto	mathematical monospace small o
u+1D699	p	p	p	p	p	p	p	\mttp	mathematical monospace small p
U+1D69A	q	q	q	q	q	q	q	\mttq	mathematical monospace small q
u+1D69в	r	r	r	r	r	r	r	\mttr	mathematical monospace small r
U+1D69C	S	S	S	S	S	S	S	\mtts	mathematical monospace small s
U+1D69D	t	t	t	t	t	t	t	\mttt	mathematical monospace small t
u+1D69E	u	u	u	u	u	u	u	\mttu	mathematical monospace small u
u+1D69F	v	V	V	۷	V	V	V	\mttv	mathematical monospace small v
U+1D6A0	W	W	W	W	W	W	W	\mttw	mathematical monospace small W
u+1D6A1	x	X	X	X	X	х	x	\mttx	mathematical monospace small x
U+1D6A2	у	У	у	У	У	У	У	\mtty	mathematical monospace small y
u+1d6a3	Z	Z	Z	Z	Z	Z	Z	\mttz	mathematical monospace small z

15.2 Bold15.2.1 Bold, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D400	A	A	A	A	A	A	A	\mbfA	mathematical bold capital a
U+1D401	В	В	В	В	В	В	В	\mbfB	mathematical bold capital b
U+1D402	\mathbf{C}	C	C	C	C	C	C	\mbfC	mathematical bold capital c
U+1D403	D	D	D	D	D	D	D	\mbfD	mathematical bold capital d
U+1D404	\mathbf{E}	E	E	E	E	E	E	\mbfE	mathematical bold capital e
U+1D405	\mathbf{F}	F	F	F	F	F	F	\mbfF	mathematical bold capital f
u+1D406	\mathbf{G}	G	G	G	G	G	G	\mbfG	mathematical bold capital g
U+1D407	Н	Н	Н	Н	Н	Н	Н	\mbfH	mathematical bold capital h
U+1D408	Ι	I	Ι	I	Ι	I	I	\mbfI	mathematical bold capital i
U+1D409	\mathbf{J}	J	J	J	J	J	J	\mbfJ	mathematical bold capital j
U+1D40A	\mathbf{K}	K	K	K	K	K	K	\mbfK	mathematical bold capital k
U+1D40B	${f L}$	L	\mathbf{L}	L	L	L	\mathbf{L}	\mbfL	mathematical bold capital l
U+1D40C	\mathbf{M}	M	M	M	M	M	M	\mbfM	mathematical bold capital m

USV	M	S	E	P	D	L	G	Macro	Description
U+1D40D	N	N	N	N	N	N	N	\mbfN	mathematical bold capital n
U+1D40E	O	O	O	O	0	O	O	\mbf0	mathematical bold capital o
U+1D40F	P	P	P	P	P	P	P	\mbfP	mathematical bold capital p
U+1D410	${f Q}$	Q	Q	Q	Q	Q	Q	\mbfQ	mathematical bold capital q
U+1D411	\mathbf{R}	R	R	R	R	R	R	\mbfR	mathematical bold capital r
U+1D412	\mathbf{S}	S	S	S	S	S	S	\mbfS	mathematical bold capital s
U+1D413	${f T}$	T	T	T	T	T	T	\mbfT	mathematical bold capital t
U+1D414	\mathbf{U}	U	U	U	U	U	U	\mbfU	mathematical bold capital u
U+1D415	\mathbf{V}	\mathbf{V}	V	\mathbf{V}	V	V	\mathbf{V}	\mbfV	mathematical bold capital v
u+1D416	\mathbf{W}	\mathbf{W}	W	W	W	W	\mathbf{W}	\mbfW	mathematical bold capital w
U+1D417	\mathbf{X}	X	X	X	X	X	X	\mbfX	mathematical bold capital x
U+1D418	\mathbf{Y}	Y	Y	Y	Y	Y	Y	\mbfY	mathematical bold capital y
u+1D419	${f Z}$	Z	Z	Z	Z	Z	Z	\mbfZ	mathematical bold capital z

15.2.2 Bold, Latin, lowercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D41A	a	a	a	a	a	a	a	\mbfa	mathematical bold small a
U+1D41B	b	b	b	b	b	b	b	\mbfb	mathematical bold small b
U+1D41C	\mathbf{c}	c	c	c	C	c	c	\mbfc	mathematical bold small c
U+1D41D	\mathbf{d}	d	d	d	d	d	d	\mbfd	mathematical bold small d
U+1D41E	\mathbf{e}	e	e	e	e	e	e	\mbfe	mathematical bold small e
U+1D41F	\mathbf{f}	f	f	f	f	f	f	\mbff	mathematical bold small f
U+1D420	\mathbf{g}	g	g	g	g	g	g	\mbfg	mathematical bold small g
U+1D421	\mathbf{h}	h	h	h	h	h	h	\mbfh	mathematical bold small h
U+1D422	i	i	i	i	i	i	i	\mbfi	mathematical bold small i
U+1D423	j	j	j	j	j	j	j	\mbfj	mathematical bold small j
U+1D424	\mathbf{k}	k	k	\mathbf{k}	\mathbf{k}	k	k	\mbfk	mathematical bold small k
U+1D425	1	1	1	1	1	1	1	\mbfl	mathematical bold small l
U+1D426	\mathbf{m}	m	m	m	m	m	m	\mbfm	mathematical bold small m
U+1D427	\mathbf{n}	n	n	n	n	n	n	\mbfn	mathematical bold small n
U+1D428	o	0	0	o	0	0	0	\mbfo	mathematical bold small o
U+1D429	\mathbf{p}	p	p	p	p	p	p	\mbfp	mathematical bold small p
U+1D42A	\mathbf{q}	q	q	q	q	q	q	\mbfq	mathematical bold small q

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

15.2.3 Bold Greek, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D6A8	A	A	A	A	A	A	A	\mbfAlpha	mathematical bold capital alpha
U+1D6A9	В	В	В	В	В	В	В	\mbfBeta	mathematical bold capital beta
u+1d6aa	Γ	Γ	Γ	Γ	Γ	Γ	Γ	\mbfGamma	mathematical bold capital gamma
u+1d6ab	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfDelta	mathematical bold capital delta
u+1d6ac	\mathbf{E}	E	E	E	E	E	E	\mbfEpsilon	mathematical bold capital epsilon
u+1d6ad	${f Z}$	Z	Z	Z	Z	Z	Z	\mbfZeta	mathematical bold capital zeta
u+1d6ae	Н	Н	Н	Н	H	Н	H	\mbfEta	mathematical bold capital eta
u+1d6af	Θ	Θ	Θ	Θ	H	Θ	Θ	\mbfTheta	mathematical bold capital theta
u+1D6во	Ι	I	I	I	Ι	I	I	\mbfIota	mathematical bold capital iota
U+1D6B1	K	K	K	K	K	K	K	\mbfKappa	mathematical bold capital kappa
U+1D6B2	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfLambda	mathematical bold capital lambda
U+1D6B3	\mathbf{M}	M	M	M	M	M	M	\mbfMu	mathematical bold capital mu
U+1D6B4	\mathbf{N}	N	N	N	N	N	N	\mbfNu	mathematical bold capital nu
U+1D6B5	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	至	\mbfXi	mathematical bold capital xi
U+1D6B6	O	0	0	O	0	O	O	\mbf0micron	mathematical bold capital omicron
U+1D6B7	П	П	П	П	П	П	П	\mbfPi	mathematical bold capital pi
U+1D6в8	P	P	P	P	P	P	P	\mbfRho	mathematical bold capital rho
и+1D6в9	θ	θ	θ	θ	θ	θ	θ	\mbfvarTheta	mathematical bold capital theta symbol

USV	M	S	E	P	D	L	G	Macro	Description
U+1D6BA	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfSigma	mathematical bold capital sigma
u+1D6вв	\mathbf{T}	T	T	T	T	T	T	\mbfTau	mathematical bold capital tau
U+1D6BC	Υ	Y	Υ	Y	Υ	Y	Υ	\mbfUpsilon	mathematical bold capital upsilon
U+1D6BD	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfPhi	mathematical bold capital phi
U+1D6BE	\mathbf{X}	X	X	X	X	X	X	\mbfChi	mathematical bold capital chi
u+1D6вғ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfPsi	mathematical bold capital psi
u+1D6co	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfOmega	mathematical bold capital omega

15.2.4 Bold Greek, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D6C2	α	α	α	α	α	α	α	\mbfalpha	mathematical bold small alpha
U+1D6C3	β	β	β	β	β	β	β	\mbfbeta	mathematical bold small beta
U+1D6C4	γ	γ	Υ	γ	Y	γ	γ	\mbfgamma	mathematical bold small gamma
U+1D6C5	δ	δ	δ	δ	δ	δ	8	\mbfdelta	mathematical bold small delta
U+1D6C6	ε	ε	3	3	3	3	8	\mbfvarepsilon	mathematical bold small varepsilon
U+1D6C7	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfzeta	mathematical bold small zeta
U+1D6C8	η	η	η	η	η	η	η	\mbfeta	mathematical bold small eta
U+1D6C9	θ	θ	θ	θ	θ	θ	θ	\mbftheta	mathematical bold small theta
U+1D6CA	ι	ι	ι	ι	ι	ι	ι	\mbfiota	mathematical bold small iota
U+1D6CB	κ	κ	K	к	K	κ	κ	\mbfkappa	mathematical bold small kappa
U+1D6CC	λ	λ	λ	λ	λ	λ	λ	\mbflambda	mathematical bold small lambda
U+1D6CD	μ	μ	μ	μ	μ	μ	μ	\mbfmu	mathematical bold small mu
U+1D6CE	ν	ν	ν	ν	υ	ν	ν	\mbfnu	mathematical bold small nu
U+1D6CF	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfxi	mathematical bold small xi
U+1D6D0	0	0	0	0	0	O	0	\mbfomicron	mathematical bold small omicron
U+1D6D1	π	π	π	π	п	π	π	\mbfpi	mathematical bold small pi
U+1D6D2	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfrho	mathematical bold small rho
U+1D6D3	ς	ς	ς	ς	ς	ς	ς	\mbfvarsigma	mathematical bold small final sigma
U+1D6D4	σ	σ	σ	σ	σ	σ	σ	\mbfsigma	mathematical bold small sigma
U+1D6D5	τ	τ	τ	τ	τ	τ	τ	\mbftau	mathematical bold small tau

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D6D6	υ	υ	υ	υ	υ	υ	υ	\mbfupsilon	mathematical bold small upsilon
U+1D6D7	φ	φ	φ	φ	φ	φ	φ	\mbfvarphi	mathematical bold small phi
U+1D6D8	χ	χ	χ	χ	X	χ	χ	\mbfchi	mathematical bold small chi
U+1D6D9	ψ	ψ	ψ	ψ	Ψ	ψ	ψ	\mbfpsi	mathematical bold small psi
U+1D6DA	ω	ω	ω	ω	ω	ω	ω	\mbfomega	mathematical bold small omega
u+1D6Dв	9	9	9	9	9	9	9	\mbfpartial	mathematical bold partial dif- ferential
U+1D6DC	ε	€	E	ϵ	E	E	€	\mbfepsilon	mathematical bold varepsilon symbol
U+1D6DD	$\boldsymbol{\vartheta}$	િ	9	θ	Ð	θ	9	\mbfvartheta	mathematical bold theta symbol
U+1D6DE	n	κ	κ	n	×	и	ж	\mbfvarkappa	mathematical bold kappa symbol
U+1D6DF	ф	ф	ф	ф	ф	ф	φ	\mbfphi	mathematical bold phi symbol
U+1D6E0	Q	ę	6	Q	6	9	9	\mbfvarrho	mathematical bold rho symbol
U+1D6E1	ω	ω	0	@	យ	$\boldsymbol{\varpi}$	æ	\mbfvarpi	mathematical bold pi symbol

15.2.5 Bold italic, Latin, uppercase

USV	M	S	E	P	D	L	G	Macro	Description
U+1D468	A	A	A	A	A	A	A	\mbfitA	mathematical bold italic capital a
u+1D469	\boldsymbol{B}	B	B	В	B	В	B	\mbfitB	mathematical bold italic capital b
u+1d46a	$oldsymbol{C}$	C	C	C	C	C	C	\mbfitC	mathematical bold italic capital
u+1D46в	D	D	D	D	D	D	D	\mbfitD	mathematical bold italic capital d
u+1D46c	$oldsymbol{E}$	E	E	E	E	E	E	\mbfitE	mathematical bold italic capital e
u+1d46d	$oldsymbol{F}$	F	F	F	F	F	F	\mbfitF	mathematical bold italic capital f
u+1d46e	\boldsymbol{G}	\boldsymbol{G}	G	G	G	G	G	\mbfitG	mathematical bold italic capital
U+1D46F	\boldsymbol{H}	H	H	H	H	H	H	\mbfitH	mathematical bold italic capital h
u+1D470	I	I	I	I	I	I	I	\mbfitI	mathematical bold italic capital i
u+1D471	\boldsymbol{J}	J	J	J	J	J	\boldsymbol{J}	\mbfitJ	mathematical bold italic capital
u+1D472	K	K	K	K	K	K	K	\mbfitK	mathematical bold italic capital

USV	M		Е	Р	D	L	G	Macro	Description
		S	Е	Г		L	G	Macro	Description
U+1D473	$oldsymbol{L}$	L	L	L	L	L	L	\mbfitL	mathematical bold italic capital l
U+1D474	M	M	M	M	M	M	M	\mbfitM	mathematical bold italic capital m
U+1D475	N	N	N	N	N	N	N	\mbfitN	mathematical bold italic capital n
u+1D476	0	0	0	0	0	0	0	\mbfit0	mathematical bold italic capital o
U+1D477	\boldsymbol{P}	P	P	P	P	P	P	\mbfitP	mathematical bold italic capital p
u+1D478	$oldsymbol{Q}$	Q	Q	Q	Q	Q	Q	\mbfitQ	mathematical bold italic capital q
u+1D479	R	R	R	R	R	R	R	\mbfitR	mathematical bold italic capital r
U+1D47A	$oldsymbol{S}$	\boldsymbol{S}	S	S	S	S	S	\mbfitS	mathematical bold italic capital s
U+1D47B	T	T	T	T	T	T	T	\mbfitT	mathematical bold italic capital t
u+1D47C	$oldsymbol{U}$	U	U	U	U	U	$oldsymbol{U}$	\mbfitU	mathematical bold italic capital u
U+1D47D	$oldsymbol{V}$	$oldsymbol{V}$	$oldsymbol{V}$	$oldsymbol{V}$	$oldsymbol{V}$	$oldsymbol{V}$	V	\mbfitV	mathematical bold italic capital v
U+1D47E	W	W	W	W	W	W	W	\mbfitW	mathematical bold italic capital w
U+1D47F	X	X	X	X	X	X	X	\mbfitX	mathematical bold italic capital x
U+1D480	Y	Y	Y	Y	Y	Y	Y	\mbfitY	mathematical bold italic capital y
U+1D481	\boldsymbol{Z}	Z	Z	Z	Z	Z	Z	\mbfitZ	mathematical bold italic capital z

15.2.6 Bold italic, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D482	\boldsymbol{a}	а	a	а	а	а	a	\mbfita	mathematical bold italic small a
U+1D483	\boldsymbol{b}	b	b	b	b	b	b	\mbfitb	mathematical bold italic small b
U+1D484	\boldsymbol{c}	c	C	C	C	c	c	\mbfitc	mathematical bold italic small c
U+1D485	\boldsymbol{d}	d	d	d	d	d	d	\mbfitd	mathematical bold italic small d
U+1D486	e	e	e	e	e	e	e	\mbfite	mathematical bold italic small e
u+1D487	f	\boldsymbol{f}	\boldsymbol{f}	f	f	f	f	\mbfitf	mathematical bold italic small f
U+1D488	\boldsymbol{g}	g	g	g	g	g	g	\mbfitg	mathematical bold italic small g
u+1D489	\boldsymbol{h}	h	h	h	h	h	b	\mbfith	mathematical bold italic small h
u+1d48a	$oldsymbol{i}$	i	i	i	i	i	i	\mbfiti	mathematical bold italic small i
u+1D48в	$oldsymbol{j}$	j	j	j	j	j	j	\mbfitj	mathematical bold italic small i

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D48C	\boldsymbol{k}	k	k	k	k	k	k	\mbfitk	mathematical bold italic small k
U+1D48D	l	l	l	1	1	l	1	\mbfitl	mathematical bold italic small l
U+1D48E	m	m	m	m	m	m	m	\mbfitm	mathematical bold italic small
U+1D48F	\boldsymbol{n}	n	n	n	n	n	n	\mbfitn	mathematical bold italic small n
U+1D490	0	0	0	0	0	0	0	\mbfito	mathematical bold italic small o
U+1D491	$oldsymbol{p}$	p	p	p	p	p	p	\mbfitp	mathematical bold italic small p
U+1D492	$oldsymbol{q}$	q	q	q	q	\boldsymbol{q}	\boldsymbol{q}	\mbfitq	mathematical bold italic small q
U+1D493	r	r	r	r	r	r	r	\mbfitr	mathematical bold italic small r
U+1D494	s	S	s	S	S	s	s	\mbfits	mathematical bold italic small s
U+1D495	$oldsymbol{t}$	t	t	t	t	t	t	\mbfitt	mathematical bold italic small t
U+1D496	$oldsymbol{u}$	u	u	и	u	u	u	\mbfitu	mathematical bold italic small u
U+1D497	$oldsymbol{v}$	v	v	v	υ	v	v	\mbfitv	mathematical bold italic small v
U+1D498	$oldsymbol{w}$	w	w	w	w	w	w	\mbfitw	mathematical bold italic small
U+1D499	$oldsymbol{x}$	x	x	x	X	x	x	\mbfitx	mathematical bold italic small x
U+1D49A	$oldsymbol{y}$	y	y	y	y	y	y	\mbfity	mathematical bold italic small y
u+1D49в	\boldsymbol{z}	z	z	z	Z	z	\boldsymbol{z}	\mbfitz	mathematical bold italic small z

15.2.7 Bold italic Greek, uppercase

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D71C	\boldsymbol{A}	A	A	A	A	A	A	\mbfitAlpha	mathematical bold italic capital alpha
U+1D71D	B	B	В	В	B	В	B	\mbfitBeta	mathematical bold italic capital beta
U+1D71E	$oldsymbol{\Gamma}$	Γ	Γ	Γ	Γ	Γ	Γ	\mbfitGamma	mathematical bold italic capital gamma
U+1D71F	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfitDelta	mathematical bold italic capital delta
U+1D 72 0	$oldsymbol{E}$	E	E	E	E	E	E	\mbfitEpsilon	mathematical bold italic capital epsilon
U+1D 72 1	\boldsymbol{Z}	Z	\boldsymbol{Z}	Z	Z	\boldsymbol{Z}	Z	\mbfitZeta	mathematical bold italic capital zeta
U+1D 722	\boldsymbol{H}	H	H	H	H	H	H	\mbfitEta	mathematical bold italic capital eta
U+1D723	Θ	Θ	0	Θ	0	Θ	0	\mbfitTheta	mathematical bold italic capital theta
U+1D724	I	I	I	I	I	I	I	\mbfitIota	mathematical bold italic capital iota

USV	M	S	E	P	D	L	G	Macro	Description
U+1D725	K	K	K	K	K	K	K	\mbfitKappa	mathematical bold italic capital kappa
U+1D 72 6	Λ	Λ	Λ	Λ	Λ	Λ	Λ	\mbfitLambda	mathematical bold italic capital lambda
U+1D 72 7	M	M	M	M	M	M	M	\mbfitMu	mathematical bold italic capital mu
U+1D 72 8	N	N	N	N	N	N	N	\mbfitNu	mathematical bold italic capital nu
U+1D729	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfitXi	mathematical bold italic capital xi
U+1D72A	0	0	0	0	0	0	0	\mbfit0micron	mathematical bold italic capital omicron
U+1D72B	П	Π	П	П	П	П	П	\mbfitPi	mathematical bold italic capital pi
U+1D 72 C	\boldsymbol{P}	P	P	P	P	P	P	\mbfitRho	mathematical bold italic capital rho
U+1D 72 D	$\boldsymbol{\varTheta}$	θ	θ	θ	θ	θ	$\boldsymbol{\theta}$	\mbfitvarTheta	mathematical bold italic capital theta symbol
U+1D 72 E	$oldsymbol{\Sigma}$	$oldsymbol{\Sigma}$	Σ	Σ	Σ	Σ	Σ	\mbfitSigma	mathematical bold italic capital sigma
U+1D 72 F	T	T	T	T	T	T	T	\mbfitTau	mathematical bold italic capital tau
U+1D730	Υ	Y	Υ	Y	Υ	Y	r	\mbfitUpsilon	mathematical bold italic capital upsilon
U+1D731	Φ	Φ	Φ	Φ	Φ	Φ	Φ	\mbfitPhi	mathematical bold italic capital phi
U+1D732	X	X	X	X	X	X	X	\mbfitChi	mathematical bold italic capital chi
U+1D733	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Y	\mbfitPsi	mathematical bold italic capital psi
U+1D734	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfit0mega	mathematical bold italic capital omega

15.2.8 Bold italic Greek, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
u+1D736	α	α	α	α	α	α	α	\mbfitalpha	mathematical bold italic small alpha
u+1D737	$\boldsymbol{\beta}$	β	β	β	β	β	β	\mbfitbeta	mathematical bold italic small beta
U+1D738	γ	γ	γ	γ	Y	γ	γ	\mbfitgamma	mathematical bold italic small gamma
u+1D739	δ	δ	δ	δ	δ	δ	8	\mbfitdelta	mathematical bold italic small delta
u+1D73A	ε	ε	ε	ε	ε	ε	ε	\mbfitvarepsilon	mathematical bold italic small varepsilon
U+1D73B	ζ	5	ζ	ζ	ζ	ζ	5	\mbfitzeta	mathematical bold italic small zeta

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D73C	η	η	η	η	η	η	η	\mbfiteta	mathematical bold italic small eta
U+1D73D	$oldsymbol{ heta}$	θ	$\boldsymbol{\theta}$	θ	θ	$\boldsymbol{\theta}$	θ	\mbfittheta	mathematical bold italic small theta
U+1D73E	ι	ι	ι	ι	ι	ı	ı	\mbfitiota	mathematical bold italic small iota
U+1D73F	κ	κ	κ	κ	K	κ	κ	\mbfitkappa	mathematical bold italic small kappa
U+1D740	λ	λ	λ	λ	λ	λ	λ	\mbfitlambda	mathematical bold italic small lambda
U+1D741	μ	μ	μ	μ	μ	μ	μ	\mbfitmu	mathematical bold italic small
U+1D742	ν	ν	v	ν	ν	ν	ν	\mbfitnu	mathematical bold italic small
U+1D743	ξ	ξ	ξ	ξ	ξ	ξ	r of the second	\mbfitxi	mathematical bold italic small xi
U+1D744	0	0	0	0	0	0	0	\mbfitomicron	mathematical bold italic small omicron
U+1D745	π	π	π	π	П	π	π	\mbfitpi	mathematical bold italic small pi
U+1D746	ρ	P	ρ	ρ	ρ	ρ	P	\mbfitrho	mathematical bold italic small rho
U+1D747	ς	5	ς	ς	ς	ς	5	\mbfitvarsigma	mathematical bold italic small final sigma
U+1D748	σ	σ	σ	σ	σ	σ	σ	\mbfitsigma	mathematical bold italic small sigma
u+1D749	au	τ	τ	τ	τ	τ	τ	\mbfittau	mathematical bold italic small tau
U+1D74A	$oldsymbol{v}$	υ	\boldsymbol{v}	v	υ	\boldsymbol{v}	υ	\mbfitupsilon	mathematical bold italic small upsilon
U+1D74B	φ	φ	φ	φ	φ	φ	P	\mbfitvarphi	mathematical bold italic small phi
U+1D74C	χ	χ	χ	χ	X	χ	χ	\mbfitchi	mathematical bold italic small chi
U+1D74D	$oldsymbol{\psi}$	ψ	ψ	ψ	Ψ	ψ	y	\mbfitpsi	mathematical bold italic small psi
U+1D74E	ω	ω	ω	ω	ω	ω	ω	\mbfitomega	mathematical bold italic small omega
U+1D74F	∂	д	∂	9	∂	д	д	\mbfitpartial	mathematical bold italic partial differential
U+1D750	ϵ	ε	ϵ	ϵ	ϵ	ϵ	ϵ	\mbfitepsilon	mathematical bold italic varep- silon symbol
U+1D751	$\boldsymbol{\vartheta}$	ð	9	v	v	Э	д	\mbfitvartheta	mathematical bold italic theta symbol
U+1D752	n	x	κ	и	×	ĸ	×	\mbfitvarkappa	mathematical bold italic kappa symbol
U+1D753	ϕ	φ	φ	φ	ф	φ	φ	\mbfitphi	mathematical bold italic phi symbol
u+1D754	Q	g	Q	Q	Q	Q	e	\mbfitvarrho	mathematical bold italic rho symbol
U+1D755	$\overline{\omega}$	$\overline{\omega}$	_@	_@	$\boldsymbol{\varpi}$	$\boldsymbol{\sigma}$	æ	\mbfitvarpi	mathematical bold italic pi symbol

USV

USV	M	S	E	P	D	L	G	Macro	Description
U+1D4D0	\mathcal{A}	\mathcal{A}	A	\mathcal{A}	A	A	A	\mbfscrA	mathematical bold script capital
U+1D4D1	\mathcal{B}	\mathcal{B}	B	\mathcal{B}	B	\mathscr{B}	B	\mbfscrB	mathematical bold script capital b
U+1D4D2	\mathcal{C}	e	C	C	C	8	C	\mbfscrC	mathematical bold script capital
U+1D4D3	\mathcal{D}	D	D	D	D	Ø	Ø	\mbfscrD	mathematical bold script capital d
U+1D4D4	\mathcal{E}	3	&	\mathcal{E}	\mathcal{E}	8	8	\mbfscrE	mathematical bold script capital e
U+1D4D5	${\mathcal F}$	\mathcal{F}	F	\mathcal{F}	F	\mathcal{F}	${\mathscr F}$	\mbfscrF	mathematical bold script capital f
U+1D4D6	${\cal G}$	$\boldsymbol{\mathcal{G}}$	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mathcal{G}	\mbfscrG	mathematical bold script capital g
U+1D4D7	${\mathcal H}$	\mathcal{H}	${\mathcal H}$	\mathcal{H}	H	\mathcal{H}	\mathcal{H}	\mbfscrH	mathematical bold script capital h
U+1D4D8	$\mathcal J$	$\boldsymbol{\mathcal{J}}$	I	\mathcal{I}	J	J	J	\mbfscrI	mathematical bold script capital i
U+1D4D9	\mathcal{J}	J	J	J	J	J	J	\mbfscrJ	mathematical bold script capital j
U+1D4DA	\mathcal{K}	Ж	\mathcal{K}	K	K	Ж	${\mathscr K}$	\mbfscrK	mathematical bold script capital k
U+1D4DB	\mathcal{L}	£	\mathscr{L}	£	C	${\mathscr L}$	${\mathscr L}$	\mbfscrL	mathematical bold script capital l
U+1D4DC	\mathcal{M}	\mathcal{M}	M	\mathcal{M}	М	M	M	\mbfscrM	mathematical bold script capital m
U+1D4DD	\mathcal{N}	\mathcal{N}	N	\mathcal{N}	N	N	N	\mbfscrN	mathematical bold script capital n
U+1D4DE	O	O	0	O	O	6	0	\mbfscr0	mathematical bold script capital o
U+1D4DF	\mathcal{P}	₽	<i>9</i>	\mathcal{P}	P	Þ	%	\mbfscrP	mathematical bold script capital p
U+1D4E0	\mathcal{Q}	Q	2	Q	Q	Q	Q	\mbfscrQ	mathematical bold script capital q
U+1D4E1	\mathcal{R}	\mathcal{R}	R	\mathcal{R}	R	R	R	\mbfscrR	mathematical bold script capital r
U+1D4E2	8	8	S	5	S	S	8	\mbfscrS	mathematical bold script capital s
U+1D4E3	\mathcal{T}	\mathcal{F}	T	T	T	${\mathscr T}$	${\mathcal T}$	\mbfscrT	mathematical bold script capital t
U+1D4E4	u	u	U	u	u	\mathcal{U}	u	\mbfscrU	mathematical bold script capital u
U+1D4E5	ν	ν	7⁄	U	ν	V	V	\mbfscrV	mathematical bold script capital v

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D4E6	w	w	W	W	w	W	W	\mbfscrW	mathematical bold script capital w
u+1D4E7	\boldsymbol{x}	\boldsymbol{x}	${\mathscr X}$	\boldsymbol{x}	x	\boldsymbol{x}	\boldsymbol{x}	\mbfscrX	mathematical bold script capital x
U+1D4E8	y	y	¥	y	y	¥	y	\mbfscrY	mathematical bold script capital y
U+1D4E9	2	z	\mathcal{Z}	Z	Z	${oldsymbol{\mathcal{Z}}}$	$\boldsymbol{\mathscr{Z}}$	\mbfscrZ	mathematical bold script capital z

15.2.10 Bold script, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D4EA		a		\boldsymbol{a}	a	a	a	\mbfscra	mathematical bold script small
U+1D4EB		b		в	b	C	в	\mbfscrb	mathematical bold script small b
U+1D4EC		c		\boldsymbol{c}	c	c	c	\mbfscrc	mathematical bold script small c
U+1D4ED		d		d	d	d	d	\mbfscrd	mathematical bold script small d
U+1D4EE		e		e	e	e	$oldsymbol{e}$	\mbfscre	mathematical bold script small e
U+1D4EF		f		f	f	f	f	\mbfscrf	mathematical bold script small f
U+1D4FO		g		g	g	\mathcal{Q}	g	\mbfscrg	mathematical bold script small g
U+1D4F1		h		h	h	ħ	ħ	\mbfscrh	mathematical bold script small h
U+1D4F2		i		i	i	i	i	\mbfscri	mathematical bold script small i
U+1D4F3		j		j	j	$\dot{\mathcal{I}}$	\boldsymbol{j}	\mbfscrj	mathematical bold script small j
U+1D4F4		k		k	K	R	ĸ	\mbfscrk	mathematical bold script small k
U+1D4F5		ŀ		ℓ	L	ℓ	$\boldsymbol{\ell}$	\mbfscrl	mathematical bold script small l
U+1D4F6		m		m	m	m	m	\mbfscrm	mathematical bold script small m
U+1D4F7		n		\boldsymbol{n}	n	n	n	\mbfscrn	mathematical bold script small n
U+1D4F8		ø		o	O	0	0	\mbfscro	mathematical bold script small o
u+1D4F9		p		P	p	P	P	\mbfscrp	mathematical bold script small p
U+1D4FA		Ą		q	9	Ą	Ą	\mbfscrq	mathematical bold script small q
U+1D4FB		r		r	r	*	*	\mbfscrr	mathematical bold script small r
U+1D4FC		S		\$	3	3	ð	\mbfscrs	mathematical bold script small

t u v		t u	t u	t u	t u	\mbfscrt	mathematical bold script small t
		и	u	u	\boldsymbol{u}	\mbfscru	
$oldsymbol{v}$							mathematical bold script small u
		v	v	v	\boldsymbol{v}	\mbfscrv	mathematical bold script small v
w	•	w	w	w	w	\mbfscrw	mathematical bold script small W
x		x	x	\boldsymbol{x}	\boldsymbol{x}	\mbfscrx	mathematical bold script small x
y		y	y	¥	y	\mbfscry	mathematical bold script small y
z		z	Z	z	×	\mbfscrz	mathematical bold script small z
	x	w x y z	x x y y	x x x y y y	x x x x x y y y y	x x x x x x y y y y y	x x x x x x \mbfscrx y y y \mbfscry

15.2.11 Bold fraktur, Latin, uppercase

USV	M	S	E	P	D	L	G	Macro	Description
u+1D56C	21	21	21	21	21	21	A	\mbffrakA	mathematical bold fraktur capital a
u+1D56D	\mathfrak{B}	23	\mathfrak{B}	\mathfrak{B}	B	23	\mathfrak{B}	\mbffrakB	mathematical bold fraktur capital b
U+1D56E	C	C	C	C	C	C	C	\mbffrakC	mathematical bold fraktur capital c
U+1D56F	D	2	D	D	D	2	D	\mbffrakD	mathematical bold fraktur capital d
U+1D570	E	હ	Œ	E	Œ	૯	Œ	\mbffrakE	mathematical bold fraktur capital e
U+1D571	\mathfrak{F}	\mathfrak{F}	\mathfrak{F}	\mathfrak{F}	\mathfrak{F}	\mathfrak{F}	\mathfrak{F}	\mbffrakF	mathematical bold fraktur capital f
U+1D572	G	ß	G	G	G	ß	6	\mbffrakG	mathematical bold fraktur capital g
U+1D573	\mathfrak{H}	Ð	\mathfrak{H}	H	\mathfrak{H}	Ŋ	5	\mbffrakH	mathematical bold fraktur capital h
U+1D574	3	ន	I	I	I	T	3	\mbffrakI	mathematical bold fraktur capital i
U+1D575	\mathfrak{J}	\mathfrak{F}	J	\mathfrak{J}	J	\mathfrak{F}	3	\mbffrakJ	mathematical bold fraktur capital j
u+1D576	R	$\widehat{\mathbf{R}}$	R	R	R	R	Я	\mbffrakK	mathematical bold fraktur capital k
U+1D577	\mathfrak{L}	2	\mathfrak{L}	\mathfrak{L}	\mathfrak{L}	2	£	\mbffrakL	mathematical bold fraktur capital l
u+1D578	M	M	M	M	M	M	M	\mbffrakM	mathematical bold fraktur capital m
U+1D579	N	N	N	N	N	N	N	\mbffrakN	mathematical bold fraktur capital n
u+1D57A	O	D	D	O	D	D	D	\mbffrak0	mathematical bold fraktur capital o

USV	M	S	E	P	D	L	G	Macro	Description
ш+1D57в	Ŗ	P	P	P	P	P	P	\mbffrakP	mathematical bold fraktur capital p
U+1D57C	Q	Ø	Q	Q	Q	Q	Q	\mbffrakQ	mathematical bold fraktur capital q
U+1D57D	R	R	R	R	R	R	R	\mbffrakR	mathematical bold fraktur capital r
U+1D57E	S	S	S	S	6	S	8	\mbffrakS	mathematical bold fraktur capital s
U+1D57F	T	T	T	T	T	T	I	\mbffrakT	mathematical bold fraktur capital t
U+1D580	u	u	\mathfrak{U}	\mathfrak{U}	\mathfrak{U}	u	u	\mbffrakU	mathematical bold fraktur capital u
U+1D581	V	Ø	V	V	V	23	V	\mbffrakV	mathematical bold fraktur capital v
U+1D582	W	W	W	W	W	20	W	\mbffrakW	mathematical bold fraktur capital w
u+1D583	\mathfrak{X}	X	\mathfrak{X}	\mathfrak{X}	\mathfrak{X}	x	X	\mbffrakX	mathematical bold fraktur capital x
u+1D584	Ŋ	Ŋ	Y	Ŋ	Y	Ŋ	Ŋ	\mbffrakY	mathematical bold fraktur capital y
u+1D585	3	3	3	3	3	3	3	\mbffrakZ	mathematical bold fraktur capital z

15.2.12 Bold fraktur, Latin, lowercase

USV	M	S	Е	Р	D	L	G	Macro	Description
u+1D586	a	a	a	a	a	a	a	\mbffraka	mathematical bold fraktur small
u+1D587	b	b	b	b	b	b	b	\mbffrakb	mathematical bold fraktur small b
U+1D588	c	c	c	c	c	c	¢	\mbffrakc	mathematical bold fraktur small
u+1D589	ð	ð	ð	ð	ð	ð	ð	\mbffrakd	mathematical bold fraktur small d
u+1D58a	e	e	e	e	e	e	e	\mbffrake	mathematical bold fraktur small
u+1D58в	f	f	f	f	f	f	f	\mbffrakf	mathematical bold fraktur small f
u+1D58c	\mathfrak{g}	g	\mathfrak{g}	\mathfrak{g}	\mathfrak{g}	g	g	\mbffrakg	mathematical bold fraktur small
U+1D58D	h	ħ	h	h	\mathfrak{h}	ħ	h	\mbffrakh	mathematical bold fraktur small h
U+1D58E	i	i	i	i	i	i	i	\mbffraki	mathematical bold fraktur small
U+1D58F	j	j	j	j	j	j	i	\mbffrakj	mathematical bold fraktur small
U+1D590	ŧ	ŧ	ŧ	ŧ	ŧ	ŧ	ť	\mbffrakk	mathematical bold fraktur small k
U+1D591	ι	ţ	ι	ι	ı	ţ	1	\mbffrakl	mathematical bold fraktur small

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D592	m	m	m	m	m	m	m	\mbffrakm	mathematical bold fraktur small
U+1D593	n	n	n	n	n	n	n	\mbffrakn	mathematical bold fraktur small
U+1D594	0	ø	0	0	0	ø	0	\mbffrako	mathematical bold fraktur small
U+1D595	p	Þ	p	p	p	Þ	p	\mbffrakp	mathematical bold fraktur small p
u+1D596	q	q	q	q	q	q	q	\mbffrakq	mathematical bold fraktur small
U+1D597	r	r	r	r	r	r	r	\mbffrakr	mathematical bold fraktur small
U+1D598	s	g	s	\mathfrak{s}	\mathfrak{s}	g	5	\mbffraks	mathematical bold fraktur small
U+1D599	ŧ	t	ŧ	ŧ	ŧ	t	t	\mbffrakt	mathematical bold fraktur small t
U+1D59A	u	u	u	u	u	u	u	\mbffraku	mathematical bold fraktur small
U+1D59В	v	b	v	v	v	b	v	\mbffrakv	mathematical bold fraktur small
U+1D59C	w	w	w	w	w	w	w	\mbffrakw	mathematical bold fraktur small
U+1D59D	ŗ	¥	ŗ	ŗ	ŗ	¥	x	\mbffrakx	mathematical bold fraktur small
U+1D59E	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	ŋ	\mbffraky	mathematical bold fraktur small
U+1D59F	3	3	3	3	3	3	3	\mbffrakz	mathematical bold fraktur small

15.2.13 Bold sans serif, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D5D4	A	A	A	A	A	A	A	\mbfsansA	mathematical sans-serif bold capital a
U+1D5D5	В	В	В	В	В	В	В	\mbfsansB	mathematical sans-serif bold capital b
u+1D5D6	С	С	С	С	С	C	C	\mbfsansC	mathematical sans-serif bold capital c
U+1D5D7	D	D	D	D	D	D	D	\mbfsansD	mathematical sans-serif bold capital d
U+1D5D8	Ε	E	Ε	E	E	E	E	\mbfsansE	mathematical sans-serif bold capital e
U+1D5D9	F	F	F	F	F	F	F	\mbfsansF	mathematical sans-serif bold capital f
U+1D5DA	G	G	G	G	G	G	G	\mbfsansG	mathematical sans-serif bold capital g
U+1D5DB	Н	Н	Н	Н	Н	Н	Н	\mbfsansH	mathematical sans-serif bold capital h
U+1D5DC	I	1	I	1	1	I	1	\mbfsansI	mathematical sans-serif bold capital i

USV	M	S	E	P	D	L	G	Macro	Description
U+1D5DD	J	J	J	J	J	J	J	\mbfsansJ	mathematical sans-serif bold capital j
U+1D5DE	K	K	K	K	K	K	K	\mbfsansK	mathematical sans-serif bold capital k
U+1D5DF	L	L	L	L	L	L	L	\mbfsansL	mathematical sans-serif bold capital l
U+1D5E0	M	M	M	M	M	M	M	\mbfsansM	mathematical sans-serif bold capital m
U+1D5E1	N	N	N	N	N	N	N	\mbfsansN	mathematical sans-serif bold capital n
U+1D5E2	0	0	0	0	0	O	O	\mbfsans0	mathematical sans-serif bold capital o
U+1D5E3	Р	P	Р	P	P	P	P	\mbfsansP	mathematical sans-serif bold capital p
U+1D5E4	Q	Q	Q	Q	Q	Q	Q	\mbfsansQ	mathematical sans-serif bold capital q
U+1D5E5	R	R	R	R	R	R	R	\mbfsansR	mathematical sans-serif bold capital r
U+1D5E6	S	S	S	S	S	S	S	\mbfsansS	mathematical sans-serif bold capital s
U+1D5E7	Т	Т	Т	Т	т	Т	Т	\mbfsansT	mathematical sans-serif bold capital t
U+1D5E8	U	U	U	U	U	U	U	\mbfsansU	mathematical sans-serif bold capital u
U+1D5E9	V	V	V	V	V	V	V	\mbfsansV	mathematical sans-serif bold capital v
U+1D5EA	W	W	W	W	W	W	W	\mbfsansW	mathematical sans-serif bold capital w
U+1D5EB	X	X	X	X	X	X	X	\mbfsansX	mathematical sans-serif bold capital x
U+1D5EC	Y	Y	Y	Y	Y	Y	Y	\mbfsansY	mathematical sans-serif bold capital y
U+1D5ED	Z	Z	Z	Z	Z	Z	Z	\mbfsansZ	mathematical sans-serif bold capital z

15.2.14 Bold sans serif, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D5EE	a	а	a	a	a	a	a	\mbfsansa	mathematical sans-serif bold small a
U+1D5EF	b	b	b	b	b	b	b	\mbfsansb	mathematical sans-serif bold small b
U+1D5F0	С	c	С	c	C	C	C	\mbfsansc	mathematical sans-serif bold small c
U+1D5F1	d	d	d	d	d	d	d	\mbfsansd	mathematical sans-serif bold small d
U+1D5F2	e	е	е	e	е	e	e	\mbfsanse	mathematical sans-serif bold small e

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D5F3	f	f	f	f	f	f	f	\mbfsansf	mathematical sans-serif bold small f
U+1D5F4	g	g	g	g	g	g	g	\mbfsansg	mathematical sans-serif bold small g
U+1D5F5	h	h	h	h	h	h	h	\mbfsansh	mathematical sans-serif bold small h
U+1D5F6	i	i	i	i	i	i	i	\mbfsansi	mathematical sans-serif bold small i
U+1D5F7	j	j	j	j	j	j	j	\mbfsansj	mathematical sans-serif bold small j
U+1D5F8	k	k	k	k	k	k	k	\mbfsansk	mathematical sans-serif bold small k
U+1D5F9	I	l	I	ı	1	1	1	\mbfsansl	mathematical sans-serif bold small l
u+1D5FA	m	m	m	m	m	m	m	\mbfsansm	mathematical sans-serif bold small m
U+1D5FB	n	n	n	n	n	n	n	\mbfsansn	mathematical sans-serif bold small n
U+1D5FC	0	0	0	0	0	0	0	\mbfsanso	mathematical sans-serif bold small o
U+1D5FD	p	р	p	p	p	p	p	\mbfsansp	mathematical sans-serif bold small p
U+1D5FE	q	q	q	q	q	q	q	\mbfsansq	mathematical sans-serif bold small q
U+1D5FF	r	r	r	r	r	r	r	\mbfsansr	mathematical sans-serif bold small r
U+1D600	S	S	S	S	S	S	S	\mbfsanss	mathematical sans-serif bold small s
U+1D601	t	t	t	t	t	t	t	\mbfsanst	mathematical sans-serif bold small t
U+1D602	u	u	u	u	u	u	u	\mbfsansu	mathematical sans-serif bold small u
U+1D603	V	V	V	V	V	v	v	\mbfsansv	mathematical sans-serif bold small v
U+1D604	w	w	W	W	W	w	w	\mbfsansw	mathematical sans-serif bold small w
U+1D605	X	X	X	X	X	x	x	\mbfsansx	mathematical sans-serif bold small x
U+1D606	y	y	y	y	y	y	у	\mbfsansy	mathematical sans-serif bold small y
U+1D607	Z	Z	Z	Z	Z	Z	Z	\mbfsansz	mathematical sans-serif bold small z

15.2.15 Bold italic sans serif, Latin, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D63C	A	A	A	A	A	A	A	\mbfitsansA	mathematical sans-serif bold italic capital a

USV	M	S	Е	Р	D	L	G	Macro	Description
U+1D63D	В	В	В	В	В	В	В	\mbfitsansB	mathematical sans-serif bold italic capital b
U+1D63E	C	С	C	C	C	C	C	\mbfitsansC	mathematical sans-serif bold italic capital c
U+1D63F	D	D	D	D	D	D	D	\mbfitsansD	mathematical sans-serif bold italic capital d
U+1D640	E	E	E	E	E	E	E	\mbfitsansE	mathematical sans-serif bold italic capital e
U+1D641	F	F	F	F	F	F	F	\mbfitsansF	mathematical sans-serif bold italic capital f
U+1D642	G	G	G	G	G	G	G	\mbfitsansG	mathematical sans-serif bold italic capital g
U+1D643	Н	Н	Н	Н	Н	Н	Н	\mbfitsansH	mathematical sans-serif bold italic capital h
u+1D644	1	I	1	I	I	I	I	\mbfitsansI	mathematical sans-serif bold italic capital i
u+1D645	J	J	J	J	J	J	J	\mbfitsansJ	mathematical sans-serif bold italic capital j
U+1D646	K	K	K	K	K	K	K	\mbfitsansK	mathematical sans-serif bold italic capital k
U+1D647	L	L	L	L	L	L	L	\mbfitsansL	mathematical sans-serif bold italic capital l
U+1D648	M	М	M	M	M	M	М	\mbfitsansM	mathematical sans-serif bold italic capital m
u+1D649	N	N	N	N	N	N	N	\mbfitsansN	mathematical sans-serif bold italic capital n
u+1D64A	0	0	0	0	0	0	0	\mbfitsans0	mathematical sans-serif bold italic capital o
u+1D64в	P	P	P	P	P	P	P	\mbfitsansP	mathematical sans-serif bold italic capital p
u+1D64C	Q	Q	Q	Q	Q	\boldsymbol{Q}	Q	\mbfitsansQ	mathematical sans-serif bold italic capital q
U+1D64D	R	R	R	R	R	R	R	\mbfitsansR	mathematical sans-serif bold italic capital r
U+1D64E	5	S	S	S	5	S	S	\mbfitsansS	mathematical sans-serif bold italic capital s
U+1D64F	T	T	T	T	T	T	T	\mbfitsansT	mathematical sans-serif bold italic capital t
u+1D650	U	U	U	U	U	U	U	\mbfitsansU	mathematical sans-serif bold italic capital u
U+1D651	V	V	V	V	V	V	V	\mbfitsansV	mathematical sans-serif bold italic capital v
U+1D652	W	W	W	W	W	W	W	\mbfitsansW	mathematical sans-serif bold italic capital w
U+1D653	X	X	X	X	X	X	X	\mbfitsansX	mathematical sans-serif bold italic capital x
u+1D654	Y	Y	Y	Y	Y	Y	Y	\mbfitsansY	mathematical sans-serif bold italic capital y
U+1D655	Z	Z	Z	Z	Z	Z	Z	\mbfitsansZ	mathematical sans-serif bold italic capital z

15.2.16 Bold italic sans serif, Latin, lowercase

USV	M	S	Е	P	D	L	G	Macro	Description
U+1D656	a	а	a	а	a	а	а	\mbfitsansa	mathematical sans-serif bold italic small a
U+1D657	b	b	b	b	b	b	b	\mbfitsansb	mathematical sans-serif bold italic small b
U+1D658	C	c	C	C	C	C	c	\mbfitsansc	mathematical sans-serif bold italic small c
u+1D659	d	d	d	d	d	d	d	\mbfitsansd	mathematical sans-serif bold italic small d
u+1D65A	e	e	e	e	e	e	e	\mbfitsanse	mathematical sans-serif bold italic small e
u+1D65в	f	f	f	f	f	f	f	\mbfitsansf	mathematical sans-serif bold italic small f
u+1D65C	g	g	g	g	g	g	g	\mbfitsansg	mathematical sans-serif bold italic small g
U+1D65D	h	h	h	h	h	h	h	\mbfitsansh	mathematical sans-serif bold italic small h
U+1D65E	i	i	i	i	i	i	i	\mbfitsansi	mathematical sans-serif bold italic small i
U+1D65F	j	j	j	j	j	j	j	\mbfitsansj	mathematical sans-serif bold italic small j
U+1D660	k	k	k	k	k	k	k	\mbfitsansk	mathematical sans-serif bold italic small k
U+1D661	1	l	1	1	I	l	l	\mbfitsansl	mathematical sans-serif bold italic small l
U+1D662	m	m	m	m	m	m	m	\mbfitsansm	mathematical sans-serif bold italic small m
U+1D663	n	n	n	n	n	n	n	\mbfitsansn	mathematical sans-serif bold italic small n
U+1D664	0	0	0	0	0	0	0	\mbfitsanso	mathematical sans-serif bold italic small o
U+1D665	p	p	p	p	p	p	p	\mbfitsansp	mathematical sans-serif bold italic small p
U+1D666	q	q	q	q	q	q	q	\mbfitsansq	mathematical sans-serif bold italic small q
u+1D667	r	r	r	r	r	r	r	\mbfitsansr	mathematical sans-serif bold italic small r
U+1D668	s	s	s	S	S	S	s	\mbfitsanss	mathematical sans-serif bold italic small s
U+1D669	t	t	t	t	t	t	t	\mbfitsanst	mathematical sans-serif bold italic small t
u+1d66a	u	и	u	u	u	u	и	\mbfitsansu	mathematical sans-serif bold italic small u
u+1D66в	v	v	V	V	V	V	V	\mbfitsansv	mathematical sans-serif bold italic small v
U+1D66C	w	W	w	w	w	w	w	\mbfitsansw	mathematical sans-serif bold italic small w
U+1D66D	x	X	X	X	X	X	X	\mbfitsansx	mathematical sans-serif bold italic small x

usv	M	S	E	P	D	L	G	Macro	Description
U+1D66E	y	y	y	y	y	y	y	\mbfitsansy	mathematical sans-serif bold italic small y
U+1D66F	Z	Z	Z	Z	Z	Z	Z	\mbfitsansz	mathematical sans-serif bold italic small z

15.2.17 Bold sans serif Greek, uppercase

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D756	A	Α	A	A	A	A	Α	\mbfsansAlpha	mathematical sans-serif bold capital alpha
U+1D757	В	В	В	В	В	В	В	\mbfsansBeta	mathematical sans-serif bold capital beta
U+1D758	Γ	Г	Γ	Г	Γ	Γ	Γ	\mbfsansGamma	mathematical sans-serif bold capital gamma
U+1D759	Δ	Δ	Δ	Δ	Δ	Δ	Δ	\mbfsansDelta	mathematical sans-serif bold capital delta
U+1D75A	E	E	E	E	E	E	E	\mbfsansEpsilon	mathematical sans-serif bold capital epsilon
u+1D75в	Z	Z	Z	Z	Z	Z	Z	\mbfsansZeta	mathematical sans-serif bold capital zeta
U+1D75C	Н	Н	Н	Н	Н	Н	Н	\mbfsansEta	mathematical sans-serif bold capital eta
U+1D75D	Θ	Θ	Θ	Θ	Θ	Θ	Θ	\mbfsansTheta	mathematical sans-serif bold capital theta
U+1D75E	I	1	1	ı	I	I	I	\mbfsansIota	mathematical sans-serif bold capital iota
U+1D75F	K	K	K	K	K	K	K	\mbfsansKappa	mathematical sans-serif bold capital kappa
u+1D760	٨	٨	٨	٨	٨	٨	٨	\mbfsansLambda	mathematical sans-serif bold capital lambda
U+1D761	M	М	М	M	M	M	M	\mbfsansMu	mathematical sans-serif bold capital mu
U+1D762	N	N	N	N	N	N	N	\mbfsansNu	mathematical sans-serif bold capital nu
U+1D763	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ	\mbfsansXi	mathematical sans-serif bold capital xi
u+1D764	0	0	0	0	0	O	O	\mbfsans0micron	mathematical sans-serif bold capital omicron
U+1D765	П	П	П	п	П	П	П	\mbfsansPi	mathematical sans-serif bold capital pi
U+1D766	Р	P	P	P	P	P	P	\mbfsansRho	mathematical sans-serif bold capital rho
U+1D767	Θ	Θ	Θ	Θ	Θ	θ	θ	\mbfsansvarTheta	mathematical sans-serif bold capital theta symbol
u+1D768	Σ	Σ	Σ	Σ	Σ	Σ	Σ	\mbfsansSigma	mathematical sans-serif bold capital sigma
u+1D769	Т	Т	Т	т	Т	Т	Т	\mbfsansTau	mathematical sans-serif bold capital tau

USV	M	S	E	P	D	L	G	Macro	Description
u+1D76A	Υ	Υ	Υ	Υ	Υ	Y	Y	\mbfsansUpsilon	mathematical sans-serif bold capital upsilon
u+1D76в	Ф	Φ	ф	Φ	Φ	Ф	Ф	\mbfsansPhi	mathematical sans-serif bold capital phi
u+1D76c	X	X	X	X	X	X	X	\mbfsansChi	mathematical sans-serif bold capital chi
u+1D76D	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ	\mbfsansPsi	mathematical sans-serif bold capital psi
u+1D76E	Ω	Ω	Ω	Ω	Ω	Ω	Ω	\mbfsansOmega	mathematical sans-serif bold capital omega

15.2.18 Bold sans serif Greek, lowercase

USV	M	S	E	P	D	L	G	Macro	Description
U+1D770	α	α	α	α	α	α	α	\mbfsansalpha	mathematical sans-serif bold small alpha
u+1D771	β	β	β	β	β	β	β	\mbfsansbeta	mathematical sans-serif bold small beta
u+1D 772	7	γ	7	γ	γ	γ	γ	\mbfsansgamma	mathematical sans-serif bold small gamma
U+1D773	δ	δ	δ	δ	δ	δ	δ	\mbfsansdelta	mathematical sans-serif bold small delta
u+1D774	ε	ε	ε	3	3	3	3	\mbfsansvarepsilon	mathematical sans-serif bold small varepsilon
u+1D775	ζ	ζ	ζ	ζ	ζ	ζ	ζ	\mbfsanszeta	mathematical sans-serif bold small zeta
u+1D776	η	η	η	η	η	η	η	\mbfsanseta	mathematical sans-serif bold small eta
u+1D777	θ	θ	θ	θ	θ	θ	θ	\mbfsanstheta	mathematical sans-serif bold small theta
u+1D778	L	ι	L	ι	ι	ι	ι	\mbfsansiota	mathematical sans-serif bold small iota
u+1D779	κ	K	κ	K	K	К	K	\mbfsanskappa	mathematical sans-serif bold small kappa
u+1D77A	λ	λ	λ	λ	λ	λ	λ	\mbfsanslambda	mathematical sans-serif bold small lambda
u+1D77в	μ	μ	μ	μ	μ	μ	μ	\mbfsansmu	mathematical sans-serif bold small mu
u+1D77C	ν	ν	ν	ν	ν	v	v	\mbfsansnu	mathematical sans-serif bold small nu
u+1D77D	ξ	ξ	ξ	ξ	ξ	ξ	ξ	\mbfsansxi	mathematical sans-serif bold small xi
U+1D77E	0	0	0	0	0	0	0	\mbfsansomicron	mathematical sans-serif bold small omicron
u+1D77F	π	π	π	π	π	π	π	\mbfsanspi	mathematical sans-serif bold small pi
u+1D780	ρ	ρ	ρ	ρ	ρ	ρ	ρ	\mbfsansrho	mathematical sans-serif bold small rho

sans-serif bold sans-serif bold sans-serif bold sans-serif bold sans-serif bold
sans-serif bold
ans-serif bold
ans-serif bold
sans-serif bold
sans-serif bold
sans-serif bold
sans-serif bold tial
sans-serif bold abol
sans-serif bold
sans-serif bold
sans-serif bold
sans-serif bold
sans-serif bold pi

15.2.19 Bold italic sans serif Greek, uppercase

USV	M	S	Е	Р	D	L	G	Macro	Description
u+1D790	A	Α	A	A	A	A		\mbfitsansAlpha	mathematical sans-serif bold italic capital alpha
u+1D791	В	В	В	В	В	В		\mbfitsansBeta	mathematical sans-serif bold italic capital beta
U+1D792	Γ	Γ	Γ	Γ	Γ	Γ		\mbfitsansGamma	mathematical sans-serif bold italic capital gamma
U+1D793	Δ	Δ	Δ	Δ	Δ	Δ		\mbfitsansDelta	mathematical sans-serif bold italic capital delta
u+1D794	E	E	E	E	E	E		\mbfitsansEpsilon	mathematical sans-serif bold italic capital epsilon
U+1D795	Z	Z	Z	Z	Z	Z		\mbfitsansZeta	mathematical sans-serif bold italic capital zeta
u+1D796	Н	Н	Н	Н	Н	Н		\mbfitsansEta	mathematical sans-serif bold italic capital eta

USV	M	S	E	Р	D	L	G	Macro	Description
U+1D797	Θ	Θ	Θ	Θ	Θ	Θ		\mbfitsansTheta	mathematical sans-serif bold italic capital theta
u+1D798	1	1	1	1	1	I		\mbfitsansIota	mathematical sans-serif bold italic capital iota
u+1D799	K	K	K	K	K	K		\mbfitsansKappa	mathematical sans-serif bold italic capital kappa
u+1D 7 9A	Λ	Λ	Λ	Λ	Λ	Λ		\mbfitsansLambda	mathematical sans-serif bold italic capital lambda
u+1D 7 9в	M	М	M	M	M	M		\mbfitsansMu	mathematical sans-serif bold italic capital mu
u+1D79C	N	N	N	N	N	N		\mbfitsansNu	mathematical sans-serif bold italic capital nu
u+1D 7 9D	Ξ	Ξ	Ξ	Ξ	Ξ	Ξ		\mbfitsansXi	mathematical sans-serif bold italic capital xi
u+1D79E	0	0	0	0	0	0		\mbfitsansOmicron	mathematical sans-serif bold italic capital omicron
u+1D79F	П	П	П	П	П	П		\mbfitsansPi	mathematical sans-serif bold italic capital pi
U+1D7A0	P	P	P	P	P	P		\mbfitsansRho	mathematical sans-serif bold italic capital rho
U+1D7A1	θ	θ	θ	0	θ	θ		\mbfitsansvarTheta	mathematical sans-serif bold italic capital theta symbol
U+1D7A2	Σ	Σ	Σ	Σ	Σ	Σ		\mbfitsansSigma	mathematical sans-serif bold italic capital sigma
U+1D7A3	T	T	T	T	T	T		\mbfitsansTau	mathematical sans-serif bold italic capital tau
u+1D7A4	r	Y	r	Y	Υ	Y		\mbfitsansUpsilon	mathematical sans-serif bold italic capital upsilon
U+1D7A5	Φ	Φ	Φ	Φ	Φ	Φ		\mbfitsansPhi	mathematical sans-serif bold italic capital phi
u+1D7A6	X	X	X	X	X	X		\mbfitsansChi	mathematical sans-serif bold italic capital chi
U+1D7A7	Ψ	Ψ	Ψ	Ψ	Ψ	Ψ		\mbfitsansPsi	mathematical sans-serif bold italic capital psi
u+1D7A8	Ω	Ω	Ω	Ω	Ω	Ω		\mbfitsans0mega	mathematical sans-serif bold italic capital omega

15.2.20 Bold italic sans serif Greek, lowercase

USV	M	S	E	P	D	L	G	Macro	Description
U+1D7AA	α	α	α	α	α	α		\mbfitsansalpha	mathematical sans-serif bold italic small alpha
U+1D7AB	β	β	β	β	β	β		\mbfitsansbeta	mathematical sans-serif bold italic small beta
u+1D7AC	γ	γ	7	Y	Y	y		\mbfitsansgamma	mathematical sans-serif bold italic small gamma
u+1D7AD	δ	δ	δ	δ	δ	δ		\mbfitsansdelta	mathematical sans-serif bold italic small delta

U+1D7AE U+1D7AF U+1D7B0 U+1D7B1 U+1D7B2 U+1D7B3	ε ζ η θ ι κ	ε ζ η θ ι κ	ε ζ η θ ι	ε ζ η Θ ι	ε ζ η Θ	ε ζ η θ	\mbfitsansvarepsilon \mbfitsanszeta \mbfitsanseta \mbfitsanstheta	mathematical sans-serif bold italic small varepsilon mathematical sans-serif bold italic small zeta mathematical sans-serif bold italic small eta
U+1D7B1 U+1D7B2	η θ ι	η θ ι κ	η θ ι	η Θ ι	η	η θ	\mbfitsanseta	italic small zeta mathematical sans-serif bold
U+1D7B1 U+1D7B2	θ ι κ	θ ι κ	θ ι κ	θ	θ	θ		mathematical sans-serif bold italic small eta
и+1D7B2	L K	l K	κ	l			\mhfiteane+ho+o	
·	κ	К	κ		L	,	/mni i reamermera	mathematical sans-serif bold italic small theta
11±1D782				K		-	\mbfitsansiota	mathematical sans-serif bold italic small iota
0 10/03	λ	λ	•		K	K	\mbfitsanskappa	mathematical sans-serif bold italic small kappa
U+1D7B4			λ	λ	λ	λ	\mbfitsanslambda	mathematical sans-serif bold italic small lambda
U+1D7B5	μ	μ	μ	μ	μ	μ	\mbfitsansmu	mathematical sans-serif bold italic small mu
U+1D7B6	ν	ν	ν	ν	ν	v	\mbfitsansnu	mathematical sans-serif bold italic small nu
U+1D7B7	ξ	ξ	ξ	ξ	ξ	ξ	\mbfitsansxi	mathematical sans-serif bold italic small xi
u+1D7в8	0	0	0	0	0	0	\mbfitsansomicron	mathematical sans-serif bold italic small omicron
U+1D7B9	π	π	π	π	π	π	\mbfitsanspi	mathematical sans-serif bold italic small pi
U+1D7BA	ρ	ρ	ρ	ρ	ρ	ρ	\mbfitsansrho	mathematical sans-serif bold italic small rho
u+1D7вв	ς	ς	ς	ς	ς	S	\mbfitsansvarsigma	mathematical sans-serif bold italic small final sigma
U+1D7BC	σ	σ	σ	σ	σ	σ	\mbfitsanssigma	mathematical sans-serif bold italic small sigma
U+1D7BD	7	τ	τ	τ	τ	τ	\mbfitsanstau	mathematical sans-serif bold italic small tau
U+1D7BE	\boldsymbol{v}	U	$oldsymbol{v}$	U	U	v	\mbfitsansupsilon	mathematical sans-serif bold italic small upsilon
U+1D7BF	φ	φ	φ	φ	φ	φ	\mbfitsansvarphi	mathematical sans-serif bold italic small phi
U+1D7C0	x	X	x	X	X	χ	\mbfitsanschi	mathematical sans-serif bold italic small chi
U+1D7C1	ψ	ψ	ψ	Ψ	Ψ	ψ	\mbfitsanspsi	mathematical sans-serif bold italic small psi
U+1D7C2	ω	ω	ω	ω	ω	ω	\mbfitsansomega	mathematical sans-serif bold italic small omega
U+1D7C3	9	д	9	9	9		\mbfitsanspartial	mathematical sans-serif bold italic partial differential
u+1D7C4	ε	ε	ϵ	€	€		\mbfitsansepsilon	mathematical sans-serif bold italic varepsilon symbol
U+1D7C5	$\boldsymbol{\vartheta}$	9	ð	9	9	Э	\mbfitsansvartheta	mathematical sans-serif bold italic theta symbol
u+1D7C6	И	x	И	×	×		\mbfitsansvarkappa	mathematical sans-serif bold italic kappa symbol
U+1D7C7	φ	φ	ф	φ	φ		\mbfitsansphi	mathematical sans-serif bold italic phi symbol

USV	M	S	E	P	D	L G	Macro	Description
U+1D7C8	Q	ę	Q	9	0		\mbfitsansvarrho	mathematical sans-serif bold italic rho symbol
U+1D7C9	ω	ω	ω	ω	$\boldsymbol{\varpi}$		\mbfitsansvarpi	mathematical sans-serif bold italic pi symbol

15.3 Miscellaneous

USV	M	S	E	P	D	L	G	Macro	Description
U+000F0	ð	ð	ð	ð	ð	ð	ð	\matheth	eth
U+02010	-	-	-	-	-	-	-	\mathhyphen	hyphen
U+02102	\mathbb{C}	\mathbb{C}	\mathbb{C}	\mathbb{C}	\mathbb{C}	\mathbb{C}	\mathbb{C}	\BbbC	/bbb c, open face c
U+0210A		$\boldsymbol{\mathcal{G}}$	g	9	g	$\mathcal Q$	g	\mscrg	/scr g, script letter g
U+0210B	\mathcal{H}	\mathcal{H}	${\mathscr H}$	\mathcal{H}	H	\mathcal{H}	${\mathcal H}$	\mscrH	hamiltonian (script capital h)
U+0210C	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mathfrak{H}	\mfrakH	/frak h, upper case h
U+0210D	\mathbb{H}	Н	Н	\mathbb{H}	\mathbb{H}	\mathbb{H}	\mathbb{H}	\BbbH	/bbb h, open face h
U+0 2 10F	\hbar	ħ	ħ	ħ	ħ	ħ	ħ	$\verb \hslash ^{(a)}$	/hslash - variant planck's over 2pi
U+0 2 110	$\mathcal I$	$\mathcal I$	\mathscr{I}	\mathcal{I}	J	\mathcal{J}	\mathcal{J}	\mscrI	/scr i, script letter i
U+0 2 111	I	\mathfrak{F}	3	I	I	\mathfrak{F}	\mathfrak{I}	$\operatorname{Im}^{(p)}$	imaginary part
U+02112	\mathcal{L}	\mathcal{L}	\mathscr{L}	\mathcal{L}	\mathcal{L}	\mathscr{L}	\mathscr{L}	\mscrL	lagrangian (script capital l)
U+0 2 113	ℓ	ℓ	ℓ	ℓ	P	ł	ℓ	$\ensuremath{ ext{ ext{Pl}}}$	cursive small l
U+0 2 115	\mathbb{N}	N	N	\mathbb{N}	\mathbb{N}	\mathbb{N}	\mathbb{N}	\BbbN	/bbb n, open face n
U+02118	Ø	80	&	છ	ရ	80	Ø	$\mathbf{Wp}^{(p)}$	weierstrass p
U+0 2 119	\mathbb{P}	P	P	\mathbb{P}	${\mathbb P}$	\mathbb{P}	\mathbb{P}	\BbbP	/bbb p, open face p
U+0211A	\mathbb{Q}	\mathbb{Q}	\mathbb{Q}	\mathbb{Q}	Q	Q	Q	\BbbQ	/bbb q, open face q
U+0211B	\mathcal{R}	\mathcal{R}	\mathscr{R}	\mathcal{R}	R	${\mathscr R}$	${\mathscr R}$	\mscrR	/scr r, script letter r
U+0 2 11C	\Re	R	R	R	R	\Re	R	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	real part
U+0 2 11D	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\mathbb{R}	\BbbR	/bbb r, open face r
U+02124	\mathbb{Z}	\mathbb{Z}	Z	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\mathbb{Z}	\BbbZ	/bbb z, open face z
U+02128	3	3	3	3	3	3	3	\mfrakZ	/frak z, upper case z
U+0 212 9		1						\turnediota	turned iota
U+0212B	Å	Å	Å	Å	Å		Å	\Angstrom	angstrom capital a, ring
U+0 212 C	${\mathcal B}$	\mathcal{B}	\mathscr{B}	\mathcal{B}	B	\mathscr{B}	B	\mscrB	bernoulli function (script capital b)
U+0212D	C	\mathfrak{C}	C	C	C	C	\mathfrak{C}	\mfrakC	black-letter capital c
U+0212F		e	e	e	e	e	e	\mscre	/scr e, script letter e

USV	M	S	E	P	D	L	G	Macro	Description
U+02130	\mathcal{E}	\mathcal{E}	<i>E</i>	ε	\mathcal{E}	E	8	\mscrE	/scr e, script letter e
U+02131	\mathcal{F}	${\mathcal F}$	F	\mathcal{F}_{ϵ}	F	${\mathcal F}$	${\mathcal F}$	\mscrF	/scr f, script letter f
U+02133	\mathcal{M}	\mathcal{M}	M	\mathcal{M}	M	M	\mathcal{M}	\mscrM	physics m-matrix (script capital m)
U+02134		O	0	0	O	0	0	\mscro	order of (script small o)
U+02135	×	*	*	N	N	8	8	$\texttt{\ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ } \texttt{\ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ } \texttt{\ \ \ }} \texttt{\ \ \ }} \texttt{\ \ \ } \ \ $	aleph, hebrew
U+02136	コ	ב	コ	\supset	⊐	ב		$\mathbf{\hat{a}}$	beth, hebrew
U+02137	አ	٦	I	٦	۵	٦	J	$\verb \gimel ^{(a)}$	gimel, hebrew
U+02138	7	7	٦	丁	٦	7	٦	$\verb \daleth ^{(a)}$	daleth, hebrew
U+0213D	Q	8	8	Y	P		γ	\Bbbgamma	double-struck small gamma
U+0213E	Γ			Γ	Γ		Γ	\BbbGamma	double-struck capital gamma
U+0213F		П	П	Π	Π		Π	\BbbPi	double-struck capital pi
U+02202	9	9	9	9	9	9	9	$\operatorname{\mathbf{ightarpoonup}}$	partial differential
U+02207	∇	∇	∇	∇	∇	Δ	∇	$\verb \nabla ^{(p)}$	nabla, del, hamilton operator
u+1D6A4	\imath	ı	l	1	1	ı	ı	$\mathbf{\hat{h}}^{(p)}$	mathematical italic small dot- less i
U+1D6A5	J	J	J	J	J	J	J	$\label{eq:jmath} \$	mathematical italic small dot- less j
U+1D6C1	∇	∇	∇	∇	∇	Δ	∇	\mbfnabla	mathematical bold nabla
U+1D6FB	∇	∇	∇	∇	∇	∇	abla	\mitnabla	mathematical italic nabla
U+1D735	∇	abla	∇	∇	$oldsymbol{ abla}$	V	$\boldsymbol{\mathcal{V}}$	\mbfitnabla	mathematical bold italic nabla
U+1D76F	∇	∇	∇	V	V	4	Δ	\mbfsansnabla	mathematical sans-serif bold nabla
U+1D7A9	V	7	V	7	V	V		\mbfitsansnabla	mathematical sans-serif bold italic nabla
U+1D7CA		F				F		\mbfDigamma	mathematical bold capital digamma
U+1D7CB		F				F		\mbfdigamma	mathematical bold small digamma