

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** (2445)

E **Erewhon Math** (1667)

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

D **DejaVu Math TeX Gyre** (1657)

L **Libertinus Math** (1657)

G **Garamond Math** (1647)

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

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

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

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

2 Closing symbols, \mathclose

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------------------|---|
| U+00021 | ! | ! | ! | ! | ! | ! | ! | \mathexclam | exclamation mark |
| U+00029 |) |) |) |) |) |) |) | \rparen | right parenthesis |
| U+0005D |] |] |] |] |] |] |] | \rbrack | right square bracket |
| U+0007D | } | } | } | } | } | } | } | \rbrace ^(p) | right curly bracket |
| U+02309 | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | \rceil ^(p) | right ceiling |
| U+0230B | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | \rfloor ^(p) | right floor |
| U+0231D | ⌵ | ⌵ | ⌵ | ⌵ | ⌵ | ⌵ | ⌵ | \urcorner | upper right corner |
| U+0231F | ⌴ | ⌴ | ⌴ | ⌴ | ⌴ | ⌴ | ⌴ | \lrcorner | lower right corner |
| U+023B1 | | ⌋ | ⌋ | | | | ⌋ | \rmoustache ^(p) | upper right or lower left curly bracket section |
| U+02773 | |) | | | | | | \rbrbrak | light right tortoise shell bracket ornament |
| U+027C6 | | ⌋ | | | | | | \rbag | right s-shaped bag delimiter |
| U+027E7 | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | \rBrack | mathematical right white square bracket |
| U+027E9 | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | \rangle ^(p) | mathematical right angle bracket |
| U+027EB | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | ⌋ | \rAngle | mathematical right double angle bracket |
| U+027ED | | ⌋ | | | | | ⌋ | \Rbrbrak | mathematical right white tortoise shell bracket |
| U+027EF |) |) |) |) |) |) |) | \rgroup ^(p) | mathematical right flattened parenthesis |
| U+02984 | | ⌋ | | | | | | \rBrace | right white curly bracket |
| U+02986 | |) | | | | | | \rParen | right white parenthesis |
| U+02988 | | ⌋ | | | | | ⌋ | \rrparenthesis | z notation right image bracket |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------------------|---|
| U+0298A | | ⟳ | | | | | | <code>\rrangle</code> | z notation right binding bracket |
| U+0298C | | ⌋ | | | | | | <code>\rbrackubar</code> | right square bracket with underbar |
| U+0298E | | ⌋ | | | | | | <code>\rbracklrtick</code> | right square bracket with tick in bottom corner |
| U+02990 | | ⌋ | | | | | | <code>\rbrackurtick</code> | right square bracket with tick in top corner |
| U+02992 | | ⟩ | | | | | | <code>\rangledot</code> | right angle bracket with dot |
| U+02994 | | ⤵ | | | | | | <code>\rpargengtr</code> | right arc greater-than bracket |
| U+02996 | | ⤵ | | | | | | <code>\Rparenless</code> | double right arc less-than bracket |
| U+02998 | |) | | | | | | <code>\rblkbrrak</code> | right black tortoise shell bracket |
| U+029D9 | | ⌵ | | | | | | <code>\rvzigzag</code> | right wiggly fence |
| U+029DB | | ⌵ | | | | | | <code>\Rvzigzag</code> | right double wiggly fence |
| U+029FD | | ⟩ | | | | ⟩ | | <code>\rcurvyangle</code> | right pointing curved angle bracket |

3 Fence symbols, `\mathfence`

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------------------------|-------------------------------|
| U+0007C | | | | | | | | <code>\vert^(p)</code> | vertical bar |
| U+02016 | | | | | | | | <code>\Vert^(p)</code> | double vertical bar |
| U+02980 | | | | | | | | <code>\Vvert</code> | triple vertical bar delimiter |

4 Punctuation symbols, `\mathpunct`

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

5 ‘Over’ symbols, `\mathover`

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

6 ‘Under’ symbols, `\mathunder`

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

7 Accents, \mathaccent

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|------------------|------------------|------------------|------------------|------------------|-------------|------------------|-------------------------------|-----------------------------|
| U+020DB | \ddot{x} | \ddot{x} | \ddot{x} | \ddot{x} | \ddot{x} | \ddot{x} | \ddot{x} | <code>\dddot</code> | combining three dots above |
| U+020DC | \dddot{x} | \dddot{x} | \dddot{x} | \dddot{x} | \dddot{x} | \dddot{x} | \dddot{x} | <code>\ddddot</code> | combining four dots above |
| U+020E7 | | \overline{x} | | | | | | <code>\annuity</code> | combining annuity symbol |
| U+020E9 | \widehat{x} | \widehat{x} | \widehat{x} | \widehat{x} | \widehat{x} | | \widehat{x} | <code>\widebridgeabove</code> | combining wide bridge above |
| U+020F0 | $\overset{*}{x}$ | $\overset{*}{x}$ | $\overset{*}{x}$ | $\overset{*}{x}$ | $\overset{*}{x}$ | | $\overset{*}{x}$ | <code>\asteraccent</code> | combining asterisk above |

8 Accents wide, `\mathaccentwide`

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

9 Bottom accents, `\mathbotaccent`

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


















































































10 Bottom accents wide, `\mathbotaccentwide`


































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



11 Big operators, \mathop

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








| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|----------------------------------|
| U+02140 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | | \sum_0^1 | \Bbbsum | double-struck n-ary summation |
| U+0220F | \prod_0^1 | \prod_0^1 | \prod_0^1 | \prod_0^1 | \prod_0^1 | \prod_0^1 | \prod_0^1 | \prod ^(p) | product operator |
| U+02210 | \coprod_0^1 | \coprod_0^1 | \coprod_0^1 | \coprod_0^1 | \coprod_0^1 | \coprod_0^1 | \coprod_0^1 | \coprod ^(p) | coproduct operator |
| U+02211 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum_0^1 | \sum ^(p) | summation operator |
| U+0222B | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int ^(p) | integral operator |
| U+0222C | \iint_0^1 | \iint_0^1 | \iint_0^1 | \iint_0^1 | \iint_0^1 | \iint_0^1 | \iint_0^1 | \iint | double integral operator |
| U+0222D | \iiint_0^1 | \iiint_0^1 | \iiint_0^1 | \iiint_0^1 | \iiint_0^1 | \iiint_0^1 | \iiint_0^1 | \iiint | triple integral operator |
| U+0222E | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint ^(p) | contour integral operator |
| U+0222F | \oiint_0^1 | \oiint_0^1 | \oiint_0^1 | \oiint_0^1 | \oiint_0^1 | \oiint_0^1 | \oiint_0^1 | \oiint | double contour integral operator |
| U+02230 | \oiiint_0^1 | \oiiint_0^1 | \oiiint_0^1 | \oiiint_0^1 | \oiiint_0^1 | \oiiint_0^1 | \oiiint_0^1 | \oiiint | triple contour integral operator |
| U+02231 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \int_0^1 | \intclockwise | clockwise integral |
| U+02232 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \varointclockwise | contour integral, clockwise |
| U+02233 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \oint_0^1 | \ointctrackwise | contour integral, anticlockwise |
| U+022C0 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge_0^1 | \bigwedge ^(p) | logical and operator |
| U+022C1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee_0^1 | \bigvee ^(p) | logical or operator |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------------------------|---|
| U+02A08 | |  | | | | | | <code>\disjquant</code> | two logical or operator |
| U+02A09 |  |  |  |  |  | |  | <code>\bigtimes</code> | n-ary times operator |
| U+02A0A | |  | | | | | | <code>\modtwosum</code> | modulo two sum |
| U+02A0B | |  | | | | | | <code>\sumint</code> | summation with integral |
| U+02A0C |  |  |  |  |  |  |  | <code>\iiint</code> | quadruple integral operator |
| U+02A0D | |  |  | | | | | <code>\intbar</code> | finite part integral |
| U+02A0E | |  | | | | | | <code>\intBar</code> | integral with double stroke |
| U+02A0F | |  | | | | | | <code>\fint</code> | integral average with slash |
| U+02A10 | |  | | | | | | <code>\cirfnint</code> | circulation function |
| U+02A11 |  |  |  |  |  | |  | <code>\awint</code> | anticlockwise integration |
| U+02A12 | |  | | | | | | <code>\rppolint</code> | line integration with rectangular path around pole |
| U+02A13 | |  | | | | | | <code>\scpolint</code> | line integration with semicircular path around pole |
| U+02A14 | |  | | | | | | <code>\npolint</code> | line integration not including the pole |
| U+02A15 | |  | | | | | | <code>\pointint</code> | integral around a point operator |
| U+02A16 | |  | | | | | | <code>\sqint</code> | quaternion integral operator |
| U+02A17 | |  | | | | | | <code>\intlarhk</code> | integral with leftwards arrow with hook |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------------------------------|--|
| U+02A18 | |  | | | | | | <code>\intx</code> | integral with times sign |
| U+02A19 | |  | | | | | | <code>\intcap</code> | integral with intersection |
| U+02A1A | |  | | | | | | <code>\intcup</code> | integral with union |
| U+02A1B | |  | | | | | | <code>\upint</code> | integral with overbar |
| U+02A1C | |  | | | | | | <code>\lowint</code> | integral with underbar |
| U+02A1D | |  |  | | | | | <code>\Join</code> | join |
| U+02A1E | |  | | | | | | <code>\bigtriangleleft</code> | large left triangle operator |
| U+02A1F | |  | | | | | | <code>\zcmp</code> | z notation schema composition |
| U+02A20 | |  | | | | | | <code>\zpipe</code> | z notation schema piping |
| U+02A21 | |  | | | | | | <code>\zproject</code> | z notation schema projection |
| U+02AFC | |  | | | | | | <code>\biginterleave</code> | large triple vertical bar operator |
| U+02AFF | |  | | | | | | <code>\bigtalloblong</code> | n-ary white vertical bar |
| U+1EEF0 | |  | | | | | | <code>\arabicmaj</code> | arabic mathematical operator meem with hah with tatweel |
| U+1EEF1 | |  | | | | | | <code>\arabichad</code> | arabic mathematical operator hah with dal |

12 Binary relations, `\mathbin`

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---|--|
| U+00B1 | ± | ± | ± | ± | ± | ± | ± | <code>\pm^(p)</code> | plus-or-minus sign |
| U+00B7 | · | · | · | · | · | · | · | <code>\cdot^(p)</code> | /centerdot b: middle dot |
| U+00D7 | × | × | × | × | × | × | × | <code>\times^(p)</code> | multiply sign |
| U+00F7 | ÷ | ÷ | ÷ | ÷ | ÷ | ÷ | ÷ | <code>\div^(p)</code> | divide sign |
| U+02020 | † | † | † | † | † | † | † | <code>\dagger^(p)</code> | dagger relation |
| U+02021 | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | <code>\ddagger^(p)</code> | double dagger relation |
| U+02022 | ● | ● | ● | ● | ● | ● | ● | <code>\smbllkcircle</code> | /bullet b: round bullet, filled |
| U+02040 | | ⤵ | | | | | | <code>\tieconcat</code> | character tie, z notation sequence concatenation |
| U+02044 | / | / | / | / | / | / | / | <code>\fracslash</code> | fraction slash |
| U+0214B | | ↯ | ↯ | | | | ↯ | <code>\upand</code> | turned ampersand |
| U+02212 | − | − | − | − | − | − | − | <code>\minus</code> | minus sign |
| U+02213 | ∓ | ∓ | ∓ | ∓ | ∓ | ∓ | ∓ | <code>\mp^(p)</code> | minus-or-plus sign |
| U+02214 | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ | <code>\dotplus^(a)</code> | plus sign, dot above |
| U+02215 | / | / | / | / | / | / | / | <code>\divslash</code> | division slash |
| U+02216 | \ | \ | \ | \ | \ | \ | \ | <code>\smallsetminus^(a)</code> | small set minus (cf. reverse solidus) |
| U+02217 | * | * | * | * | * | * | * | <code>\ast^(p)</code> | centered asterisk |
| U+02218 | ∘ | ∘ | ∘ | ∘ | ∘ | ∘ | ∘ | <code>\vysmwhtcircle</code> | composite function (small circle) |
| U+02219 | ● | ● | ● | ● | ● | ● | ● | <code>\vysmbllkcircle</code> | bullet operator |
| U+02227 | ∧ | ∧ | ∧ | ∧ | ∧ | ∧ | ∧ | <code>\wedge^(p)</code> | /wedge /land b: logical and |
| U+02228 | ∨ | ∨ | ∨ | ∨ | ∨ | ∨ | ∨ | <code>\vee^(p)</code> | /vee /lor b: logical or |
| U+02229 | ∩ | ∩ | ∩ | ∩ | ∩ | ∩ | ∩ | <code>\cap^(p)</code> | intersection |
| U+0222A | ∪ | ∪ | ∪ | ∪ | ∪ | ∪ | ∪ | <code>\cup^(p)</code> | union or logical sum |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---|---|
| U+022BB | ∨ | ∨ | ∨ | ∨ | ∨ | | ∨ | <code>\veebar^(a)</code> | logical or, bar below (large vee); exclusive disjunction |
| U+022BC | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\barwedge^(a)</code> | bar, wedge (large wedge) |
| U+022BD | ∇ | ∇ | ∇ | ∇ | ∇ | | ∇ | <code>\barvee</code> | bar, vee (large vee) |
| U+022C4 | ◇ | ◇ | ◇ | ◇ | ◇ | | ◇ | <code>\smwhtdiamond</code> | white diamond |
| U+022C5 | ⋅ | ⋅ | ⋅ | ⋅ | ⋅ | ⋅ | ⋅ | <code>\cdot^(p)</code> | small middle dot |
| U+022C6 | ★ | ★ | ★ | ★ | ★ | ★ | ★ | <code>\star^(p)</code> | small star, filled, low |
| U+022C7 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\divideontimes^(a)</code> | division on times |
| U+022C9 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | <code>\ltimes^(a)</code> | times sign, left closed |
| U+022CA | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | <code>\rtimes^(a)</code> | times sign, right closed |
| U+022CB | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\leftthreetimes^(a)</code> | left semidirect product |
| U+022CC | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\rightthreetimes^(a)</code> | right semidirect product |
| U+022CE | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | <code>\curlyvee^(a)</code> | curly logical or |
| U+022CF | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | <code>\curlywedge^(a)</code> | curly logical and |
| U+022D2 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\Cap^(a)</code> | /cap /doublecap b: double intersection |
| U+022D3 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | ⋈ | <code>\Cup^(a)</code> | /cup /doublecup b: double union |
| U+02305 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | | <code>\varbarwedge</code> | /barwedge b: logical and, bar above [projective (bar over small wedge)] |
| U+02306 | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | | | <code>\vardoublebarwedge</code> | /doublebarwedge b: logical and, double bar above [per- spective (double bar over small wedge)] |
| U+0233D | | ⋈ | | | | | | <code>\obar</code> | circle with vertical bar |
| U+025B3 | △ | △ | △ | △ | △ | △ | △ | <code>\bigtriangleup^(p)</code> | big up triangle, open |
| U+025B7 | ▷ | ▷ | ▷ | ▷ | ▷ | ▷ | ▷ | <code>\triangleright^(p)</code> | (large) right triangle, open; z notation range restriction |

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

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

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------------------------|-------------------------------------|
| U+02A53 | | ↗ | | | | | | \Wedge | double logical and |
| U+02A54 | | ↘ | | | | | | \Vee | double logical or |
| U+02A55 | | ⋈ | | | | | | \wedgemidwedge | two intersecting logical and |
| U+02A56 | | ⋈ | | | | | | \veemidvee | two intersecting logical or |
| U+02A57 | | ✓ | | | | | | \bigslantedvee | sloping large or |
| U+02A58 | | ⋈ | | | | | | \bigslantedwedge | sloping large and |
| U+02A5A | | ⋈ | | | | | | \wedgemidvert | logical and with middle stem |
| U+02A5B | | ↘ | | | | | | \veemidvert | logical or with middle stem |
| U+02A5C | | ⋈ | | | | | | \midbarwedge | logical and with horizontal dash |
| U+02A5D | | ↘ | | | | | | \midbarvee | logical or with horizontal dash |
| U+02A5E | | ⋈ | ⋈ | | | | | \doublebarwedge ^(a) | logical and with double overbar |
| U+02A5F | | ⋈ | ⋈ | | | | | \wedgebar | logical and with underbar |
| U+02A60 | | ⋈ | | | | | | \wedgedoublebar | logical and with double underbar |
| U+02A61 | | ⋈ | | | | | | \varveebar | small vee with underbar |
| U+02A62 | | ⋈ | | | | | | \doublebarvee | logical or with double overbar |
| U+02A63 | | ⋈ | | | | | | \veedoublebar | logical or with double underbar |
| U+02A64 | | ⋈ | | | | | | \dsup | z notation domain antirestriction |
| U+02A65 | | ⋈ | | | | | | \rsub | z notation range antirestriction |
| U+02A71 | | ⋈ | | | | | | \eqqplus | equals sign above plus sign |
| U+02A72 | | ⋈ | | | | | | \pluseqq | plus sign above equals sign |
| U+02AF4 | | ⋈ | | | | | | \interleave | triple vertical bar binary relation |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------|--|
| U+02AF5 | | ≡ | | | | | | \nhVvert | triple vertical bar with horizontal stroke |
| U+02AF6 | | ⋮ | | | | | | \threedotcolon | triple colon operator |
| U+02AFB | | ≡ | | | | | | \trslash | triple solidus binary relation |
| U+02AFD | | ≡ | | | | | | \sslash | double solidus operator |
| U+02AFE | | ⏏ | | | | | | \talloblong | white vertical bar |

13 Ordinary symbols, \mathord

| USV | M | S | E | 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+0002E | . | . | . | . | . | . | . | \mathperiod | full stop, period |
| U+0002F | / | / | / | / | / | / | / | \mathslash | solidus |
| U+0003F | ? | ? | ? | ? | ? | ? | ? | \mathquestion | question mark |
| U+00040 | @ | @ | @ | @ | @ | @ | @ | \mathatsign | commercial at |
| U+0005C | \ | \ | \ | \ | \ | \ | \ | \backslash ^(p) | reverse solidus |
| U+000A3 | £ | £ | £ | £ | £ | £ | £ | \mathsterling | pound sign |
| U+000A5 | ¥ | ¥ | ¥ | ¥ | ¥ | ¥ | ¥ | \mathyen | yen sign |
| U+000A7 | § | § | § | § | § | § | § | \mathsection | section symbol |
| U+000AC | ¬ | ¬ | ¬ | ¬ | ¬ | ¬ | ¬ | \neg ^(p) | /neg /lnot not sign |
| U+000B6 | ¶ | ¶ | ¶ | ¶ | ¶ | ¶ | ¶ | \mathparagraph | paragraph symbol |
| U+001B5 | | Ƶ | Ƶ | | | | Ƶ | \Zbar | impedance (latin capital letter z with stroke) |
| U+003F6 | | ϵ | ϵ | | | | ϵ | \upbackepsilon | greek reversed lunate epsilon symbol |
| U+02015 | — | — | — | — | — | — | — | \horizbar | horizontal bar |
| U+02017 | = | = | = | = | = | = | = | \twolowline | double low line (spacing) |
| U+02025 | | ⋯ | | | | | ⋯ | \enleadertwodots | double baseline dot (en leader) |
| U+02026 | ⋯ | ⋯ | ⋯ | ⋯ | ⋯ | ⋯ | ⋯ | \unicodeellipsis | ellipsis (horizontal) |

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

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




























































| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------------------------|------------------------------|
| U+021E1 | | ↗ | ↘ | | | ↗ | ↗ | \updasharrow | upwards dashed arrow |
| U+021E2 | | ↗ | ↘ | | | ↗ | ↗ | \righdasharrow | rightwards dashed arrow |
| U+021E3 | | ↘ | ↘ | | | ↘ | ↘ | \downdasharrow | downwards dashed arrow |
| U+021E6 | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | \leftwhitearrow | leftwards white arrow |
| U+021E7 | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | \upwhitearrow | upwards white arrow |
| U+021E8 | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | \rightwhitearrow | rightwards white arrow |
| U+021E9 | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | \downwhitearrow | downwards white arrow |
| U+021EA | | ↗ | | | | ↗ | ↗ | \whitearrowupfrombar | upwards white arrow from bar |
| U+02200 | ∀ | ∀ | ∀ | ∀ | ∀ | ∀ | ∀ | \forallall ^(p) | for all |
| U+02201 | ∁ | ∁ | ∁ | ∁ | ∁ | ∁ | ∁ | \complement ^(a) | complement sign |
| U+02203 | ∃ | ∃ | ∃ | ∃ | ∃ | ∃ | ∃ | \existsexists ^(p) | at least one exists |
| U+02204 | ∄ | ∄ | ∄ | ∄ | ∄ | ∄ | ∄ | \nexists ^(a) | negated exists |
| U+02205 | ∅ | ∅ | ∅ | ∅ | ∅ | ∅ | ∅ | \varnothing ^(a) | circle, slash |
| U+02206 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | \increment | laplacian (delta; nabla^2) |
| U+0220E | ■ | ■ | ■ | ■ | ■ | ■ | ■ | \QED | end of proof |
| U+0221A | √ | √ | √ | √ | √ | √ | √ | \surd ^(p) | radical |
| U+0221E | ∞ | ∞ | ∞ | ∞ | ∞ | ∞ | ∞ | \infty ^(p) | infinity |
| U+0221F | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | \rightangle | right (90 degree) angle |
| U+02220 | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | \angle ^(p) | angle |
| U+02221 | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | \measuredangle ^(a) | angle-measured |
| U+02222 | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | \sphericalangle ^(a) | angle-spherical |
| U+02234 | ∴ | ∴ | ∴ | ∴ | ∴ | ∴ | ∴ | \therefore ^(a) | therefore |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------------------------------------|--|
| U+02235 | ⋈ | ⋉ | ⋊ | ⋋ | ⋌ | ⋍ | ⋎ | <code>\because^(a)</code> | because |
| U+0223F | ⋯ | ⋰ | ⋱ | ⋲ | ⋳ | ⋴ | ⋵ | <code>\sinewave</code> | sine wave |
| U+022A4 | ⌞ | ⌟ | ⌠ | ⌡ | ⌢ | ⌣ | ⌤ | <code>\top^(p)</code> | top |
| U+022A5 | ⌞ | ⌟ | ⌠ | ⌡ | ⌢ | ⌣ | ⌤ | <code>\bot^(p)</code> | bottom |
| U+022B9 | ⋈ | ⋉ | ⋊ | ⋋ | ⋌ | | ⋎ | <code>\hermitmatrix</code> | hermitian conjugate matrix |
| U+022BE | ⊞ | ⊟ | ⊠ | ⊡ | ⊢ | | ⊣ | <code>\measuredrightangle</code> | right angle-measured [with arc] |
| U+022BF | ⊞ | ⊟ | ⊠ | ⊡ | ⊢ | | ⊣ | <code>\varlrtriangle</code> | right triangle |
| U+022EF | ⋯ | ⋰ | ⋱ | ⋲ | ⋳ | ⋴ | ⋵ | <code>\unicodedots</code> | three dots, centered |
| U+02300 | ⌀ | ⌀ | ⌀ | ⌀ | ⌀ | ⌀ | ⌀ | <code>\diameter</code> | diameter sign |
| U+02302 | | 🏠 | | | | 🏠 | | <code>\house</code> | house |
| U+02310 | ⌞ | ⌟ | ⌠ | ⌡ | ⌢ | ⌣ | ⌤ | <code>\invnot</code> | reverse not |
| U+02311 | | ◻ | | | | | | <code>\sqlozenge</code> | square lozenge |
| U+02312 | | ⤿ | | | | | | <code>\proffline</code> | profile of a line |
| U+02313 | | ⤿ | | | | | | <code>\profsurf</code> | profile of a surface |
| U+02317 | | ⌘ | | | | | | <code>\viewdata</code> | viewdata square |
| U+02319 | ⌞ | ⌟ | ⌠ | ⌡ | ⌢ | | ⌤ | <code>\turnednot</code> | turned not sign |
| U+02320 | ∫ | ∫ | ∫ | ∫ | ∫ | ∫ | | <code>\inttop</code> | top half integral |
| U+02321 | ∫ | ∫ | ∫ | ∫ | ∫ | ∫ | | <code>\intbottom</code> | bottom half integral |
| U+0232C | | ⬡ | | | | | | <code>\varhexagonlrbonds</code> | six carbon ring, corner down, double bonds lower right etc |
| U+02332 | | ▶ | | | | | | <code>\conictaper</code> | conical taper |
| U+02336 | | ⌞ | | | | | | <code>\topbot</code> | top and bottom |























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






























| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|------------------------------|---|
| U+023A6 | ┐ | ┌ | └ | ┘ | ┙ | ┚ | ┛ | <code>\rbracklend</code> | right square bracket lower corner |
| U+023A7 | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\lbraceuend</code> | left curly bracket upper hook |
| U+023A8 | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\lbracemid</code> | left curly bracket middle piece |
| U+023A9 | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\lbracelend</code> | left curly bracket lower hook |
| U+023AA | ┐ | ┌ | └ | ┘ | ┙ | ┚ | ┛ | <code>\vbraceextender</code> | curly bracket extension |
| U+023AB | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\rbraceuend</code> | right curly bracket upper hook |
| U+023AC | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\rbracemid</code> | right curly bracket middle piece |
| U+023AD | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | ⏒ | ⏓ | <code>\rbracelend</code> | right curly bracket lower hook |
| U+023AE | | ┌ | | ┘ | ┙ | | | <code>\intextender</code> | integral extension |
| U+023AF | | — | | | | — | | <code>\harrowextender</code> | horizontal line extension (used to extend arrows) |
| U+023B2 | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | | | <code>\sumtop</code> | summation top |
| U+023B3 | ⏏ | ⏍ | ⏎ | ⏐ | ⏑ | | | <code>\sumbottom</code> | summation bottom |
| U+023B6 | | ⏏ | | | | | | <code>\bbrktbrk</code> | bottom square bracket over top square bracket |
| U+023B7 | √ | √ | √ | √ | √ | √ | √ | <code>\sqrtbottom</code> | radical symbol bottom |
| U+023B8 | | ┌ | | | | | | <code>\lvboxline</code> | left vertical box line |
| U+023B9 | | ┐ | | | | | | <code>\rvboxline</code> | right vertical box line |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--|--|
| U+025A2 | |  | | | | | | <code>\squoval</code> | white square with rounded corners |
| U+025A3 | |  | | | | |  | <code>\blackinwhitesquare</code> | white square containing black small square |
| U+025A4 | |  | | | | | | <code>\squarehfill</code> | square, horizontal rule filled |
| U+025A5 | |  | | | | | | <code>\squarevfill</code> | square, vertical rule filled |
| U+025A6 | |  | | | | | | <code>\squarehvfill</code> | square with orthogonal crosshatch fill |
| U+025A7 | |  | | | | | | <code>\squarenwsefill</code> | square, nw-to-se rule filled |
| U+025A8 | |  | | | | | | <code>\squareneswfill</code> | square, ne-to-sw rule filled |
| U+025A9 | |  | | | | | | <code>\squarecrossfill</code> | square with diagonal crosshatch fill |
| U+025AA |  |  |  |  |  | |  | <code>\smbksquare</code> | /blacksquare - sq bullet, filled |
| U+025AB |  |  |  |  |  | |  | <code>\smwhtsquare</code> | white small square |
| U+025AC |  |  |  |  |  | |  | <code>\hrectangleblack</code> | black rectangle |
| U+025AD |  |  |  |  |  | |  | <code>\hrectangle</code> | horizontal rectangle, open |
| U+025AE | |  | | | | |  | <code>\vrectangleblack</code> | black vertical rectangle |
| U+025AF | |  | | | | |  | <code>\vrectangle</code> | rectangle, white (vertical) |
| U+025B0 | |  | | | | | | <code>\parallelogramblack</code> | black parallelogram |
| U+025B1 | |  | | | | | | <code>\parallelogram</code> | parallelogram, open |
| U+025B2 |  |  |  |  |  |  |  | <code>\bigblacktriangleup</code> | black up-pointing triangle |
| U+025B4 | |  |  | | | | | <code>\blacktriangle^(a)</code> | up triangle, filled |
| U+025B6 |  |  |  |  |  |  |  | <code>\blacktriangleright^(a)</code> | (large) right triangle, filled |
| U+025B8 | |  |  | | | | | <code>\smallblacktriangleright</code> | right triangle, filled |
| U+025B9 | |  |  | | | | | <code>\smalltriangleright</code> | right triangle, open |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---------------------------------------|---|
| U+025D2 | |  | | | |  |  | <code>\circlebottomhalfblack</code> | circle, filled bottom half |
| U+025D3 | |  | | | |  |  | <code>\circletophalfblack</code> | circle, filled top half |
| U+025D4 | |  | | | |  |  | <code>\circleurquadblack</code> | circle with upper right quadrant black |
| U+025D5 | |  | | | |  |  | <code>\blackcircleulquadwhite</code> | circle with all but upper left quadrant black |
| U+025D6 | |  | | | |  |  | <code>\blacklefthalfcircle</code> | left half black circle |
| U+025D7 | |  | | | |  |  | <code>\blackrighthalfcircle</code> | right half black circle |
| U+025D8 | |  | | | | | | <code>\inversebullet</code> | inverse bullet |
| U+025D9 | |  | | | | | | <code>\inversewhitecircle</code> | inverse white circle |
| U+025DA | |  | | | | | | <code>\invwhiteupperhalfcircle</code> | upper half inverse white circle |
| U+025DB | |  | | | | | | <code>\invwhitelowerhalfcircle</code> | lower half inverse white circle |
| U+025DC | |  | | | | | | <code>\ularc</code> | upper left quadrant circular arc |
| U+025DD | |  | | | | | | <code>\urarc</code> | upper right quadrant circular arc |
| U+025DE | |  | | | | | | <code>\lrarc</code> | lower right quadrant circular arc |
| U+025DF | |  | | | | | | <code>\llarc</code> | lower left quadrant circular arc |
| U+025E0 | |  | | | | | | <code>\topsemicircle</code> | upper half circle |
| U+025E1 | |  | | | | | | <code>\botsemicircle</code> | lower half circle |
| U+025E2 | |  | | | | | | <code>\lrblacktriangle</code> | lower right triangle, filled |
| U+025E3 | |  | | | | | | <code>\llblacktriangle</code> | lower left triangle, filled |
| U+025E4 | |  | | | | | | <code>\ulblacktriangle</code> | upper left triangle, filled |
| U+025E5 | |  | | | | | | <code>\urblacktriangle</code> | upper right triangle, filled |
| U+025E6 |  |  |  |  |  |  |  | <code>\smwhtcircle</code> | white bullet |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-----------------------------|-------------------------------|
| U+025FB | | ◻ | ◻ | | | | | \mdwhttsquare | white medium square |
| U+025FC | | ◼ | ◼ | | | | | \mdblksquare | black medium square |
| U+025FD | | ◻ | ◻ | | | | | \mdsmwhtsquare | white medium small square |
| U+025FE | | ◼ | ◼ | | | | | \mdsmbllsquare | black medium small square |
| U+025FF | | ◵ | | | | | | \lrrtriangle | lower right triangle |
| U+02605 | | ★ | ★ | | | | ★ | \bigstar ^(a) | star, filled |
| U+02606 | | ☆ | | | | | ☆ | \bigwhitestar | star, open |
| U+02609 | | ☼ | | | | | ☼ | \astrosun | sun |
| U+02621 | | ⤿ | | | | | | \danger | dangerous bend (caution sign) |
| U+0263B | | ☺ | | | | | ☹ | \blacksmiley | black smiling face |
| U+0263C | | ☼ | | | | | ☼ | \sun | white sun with rays |
| U+0263D | | ☾ | | | | | ☾ | \rightmoon | first quarter moon |
| U+0263E | | ☾ | | | | | ☾ | \leftmoon | last quarter moon |
| U+02640 | | ♀ | | | | | ♀ | \female | venus, female |
| U+02642 | | ♂ | | | | | ♂ | \male | mars, male |
| U+02660 | ♠ | ♠ | ♠ | ♠ | ♠ | ♠ | ♠ | \spadesuit ^(p) | spades suit symbol |
| U+02661 | ♥ | ♥ | ♥ | ♥ | ♥ | ♥ | ♥ | \heartsuit ^(p) | heart suit symbol |
| U+02662 | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | \diamondsuit ^(p) | diamond suit symbol |
| U+02663 | ♣ | ♣ | ♣ | ♣ | ♣ | ♣ | ♣ | \clubsuit ^(p) | club suit symbol |
| U+02664 | ♠ | ♠ | ♠ | ♠ | ♠ | ♠ | ♠ | \varspadesuit | spade, white (card suit) |
| U+02665 | ♥ | ♥ | ♥ | ♥ | ♥ | ♥ | ♥ | \varheartsuit | filled heart (card suit) |
| U+02666 | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | \vardiamondsuit | filled diamond (card suit) |











| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------------------------|-----------------------------------|
| U+02667 | ♣ | ♣ | ♣ | ♣ | ♣ | ♣ | | \varclubsuit | club, white (card suit) |
| U+02669 | | ♪ | | | | ♪ | | \quarternote | music note (sung text sign) |
| U+0266A | ♪ | ♪ | | ♪ | ♪ | ♪ | | \eighthnote | eighth note |
| U+0266B | | ♪ | | | | ♪ | | \twonotes | beamed eighth notes |
| U+0266D | ♭ | ♭ | ♭ | ♭ | ♭ | ♭ | | \flat ^(p) | musical flat |
| U+0266E | ♮ | ♮ | ♮ | ♮ | ♮ | ♮ | | \natural ^(p) | music natural |
| U+0266F | ♯ | ♯ | ♯ | ♯ | ♯ | ♯ | | \sharp ^(p) | musical sharp |
| U+0267E | | ♾ | | | | | ♾ | \acidfree | permanent paper sign |
| U+02680 | | ⚲ | | | | | | \dicei | die face-1 |
| U+02681 | | ⚲ | | | | | | \diceii | die face-2 |
| U+02682 | | ⚲ | | | | | | \diceiii | die face-3 |
| U+02683 | | ⚲ | | | | | | \diceiv | die face-4 |
| U+02684 | | ⚲ | | | | | | \dicev | die face-5 |
| U+02685 | | ⚲ | | | | | | \dicevi | die face-6 |
| U+02686 | | ⦿ | | | | | | \circledrightdot | white circle with dot right |
| U+02687 | | ⦿ | | | | | | \circledtwodots | white circle with two dots |
| U+02688 | | ⬤ | | | | | | \blackcircledrightdot | black circle with white dot right |
| U+02689 | | ⬤ | | | | | | \blackcircledtwodots | black circle with two white dots |
| U+026A5 | | ♂ | | | | ♂ | | \Hermaphrodite | male and female sign |
| U+026AA | | ◯ | ◯ | | | | | \mdwhtcircle | medium white circle |
| U+026AB | | ● | ● | | | | | \mdblkcircle | medium black circle |
| U+026AC | | ◯ | ◯ | | | ◯ | | \mdsmwhtcircle | medium small white circle |


















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

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|------------------------------------|--|
| U+02932 | |  | | | | | | <code>\nwovnearrow</code> | north west arrow crossing north east arrow |
| U+02934 | |  |  | | | | | <code>\uprightcurvearrow</code> | arrow pointing rightwards then curving upwards |
| U+02935 | |  |  | | | | | <code>\downrightcurvedarrow</code> | arrow pointing rightwards then curving downwards |
| U+02981 | |  |  | | | | | <code>\mdsmbkcircle</code> | z notation spot |
| U+02999 | |  | | | | | | <code>\fourvdots</code> | dotted fence |
| U+0299A | |  | | | | | | <code>\vzigzag</code> | vertical zigzag line |
| U+0299B | |  | | | | | | <code>\measuredangleleft</code> | measured angle opening left |
| U+0299C | |  | | | | | | <code>\rightanglesqr</code> | right angle variant with square |
| U+0299D | |  | | | | | | <code>\rightanglemdot</code> | measured right angle with dot |
| U+0299E | |  | | | | | | <code>\angles</code> | angle with s inside |
| U+0299F | |  | | | | | | <code>\angdnr</code> | acute angle |
| U+029A0 | |  | | | | | | <code>\gtlpar</code> | spherical angle opening left |
| U+029A1 | |  | | | | | | <code>\sphericalangleup</code> | spherical angle opening up |
| U+029A2 | |  | | | | | | <code>\turnangle</code> | turned angle |
| U+029A3 | |  | | | | | | <code>\revangle</code> | reversed angle |
| U+029A4 | |  | | | | | | <code>\angleubar</code> | angle with underbar |
| U+029A5 | |  | | | | | | <code>\revangleubar</code> | reversed angle with underbar |
| U+029A6 | |  | | | | | | <code>\wideangledown</code> | oblique angle opening up |
| U+029A7 | |  | | | | | | <code>\wideangleup</code> | oblique angle opening down |
| U+029A8 | |  | | | | | | <code>\measanglerutone</code> | measured angle with open arm ending in arrow pointing up and right |

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

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

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|------------|------------------------------------|
| U+1D7D1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \mbfthree | mathematical bold digit 3 |
| U+1D7D2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \mbffour | mathematical bold digit 4 |
| U+1D7D3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \mbffive | mathematical bold digit 5 |
| U+1D7D4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | \mbfsix | mathematical bold digit 6 |
| U+1D7D5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | \mbfseven | mathematical bold digit 7 |
| U+1D7D6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \mbfeight | mathematical bold digit 8 |
| U+1D7D7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | \mbfnine | mathematical bold digit 9 |
| U+1D7D8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \Bbbzero | mathematical double-struck digit 0 |
| U+1D7D9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \Bbbone | mathematical double-struck digit 1 |
| U+1D7DA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \Bbbtwo | mathematical double-struck digit 2 |
| U+1D7DB | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \Bbbthree | mathematical double-struck digit 3 |
| U+1D7DC | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \Bbbfour | mathematical double-struck digit 4 |
| U+1D7DD | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \Bbbfive | mathematical double-struck digit 5 |
| U+1D7DE | 6 | 6 | 6 | 6 | 6 | 6 | 6 | \Bbbsix | mathematical double-struck digit 6 |
| U+1D7DF | 7 | 7 | 7 | 7 | 7 | 7 | 7 | \Bbbseven | mathematical double-struck digit 7 |
| U+1D7E0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \Bbbeight | mathematical double-struck digit 8 |
| U+1D7E1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | \Bbbnine | mathematical double-struck digit 9 |
| U+1D7E2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \msanszero | mathematical sans-serif digit 0 |
| U+1D7E3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \msansone | mathematical sans-serif digit 1 |
| U+1D7E4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \msanstwo | mathematical sans-serif digit 2 |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-----------|-----------------------------------|
| U+1D7F8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \mttwo | mathematical monospace digit 2 |
| U+1D7F9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \mtthree | mathematical monospace digit 3 |
| U+1D7FA | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \mtfour | mathematical monospace digit 4 |
| U+1D7FB | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \mtfive | mathematical monospace digit 5 |
| U+1D7FC | 6 | 6 | 6 | 6 | 6 | 6 | 6 | \mtsix | mathematical monospace digit 6 |
| U+1D7FD | 7 | 7 | 7 | 7 | 7 | 7 | 7 | \mtseven | mathematical monospace digit 7 |
| U+1D7FE | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \mtteight | mathematical monospace digit 8 |
| U+1D7FF | 9 | 9 | 9 | 9 | 9 | 9 | 9 | \mttnine | mathematical monospace digit 9 |

14 Relation symbols, `\mathrel`

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---|---|
| U+0003C | < | < | < | < | < | < | < | <code>\less</code> | less-than sign r: |
| U+0003D | = | = | = | = | = | = | = | <code>\equal</code> | equals sign r: |
| U+0003E | > | > | > | > | > | > | > | <code>\greater</code> | greater-than sign r: |
| U+02050 | | ⊂ | | | | | | <code>\closure</code> | close up |
| U+02190 | ← | ← | ← | ← | ← | ← | ← | <code>\leftarrow^(p)</code> | <code>/leftarrow</code> /gets a: leftward arrow |
| U+02191 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | <code>\uparrow^(p)</code> | upward arrow |
| U+02192 | → | → | → | → | → | → | → | <code>\rightarrow^(p)</code> | <code>/rightarrow</code> /to a: rightward arrow |
| U+02193 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | <code>\downarrow^(p)</code> | downward arrow |
| U+02194 | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | <code>\leftrightharrow^(p)</code> | left and right arrow |
| U+02195 | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | <code>\updownarrow^(p)</code> | up and down arrow |
| U+02196 | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | <code>\nwarrow^(p)</code> | nw pointing arrow |
| U+02197 | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | <code>\nearrow^(p)</code> | ne pointing arrow |
| U+02198 | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | <code>\searrow^(p)</code> | se pointing arrow |
| U+02199 | ↙ | ↙ | ↙ | ↙ | ↙ | ↙ | ↙ | <code>\swarrow^(p)</code> | sw pointing arrow |
| U+0219A | ↚ | ↚ | ↚ | ↚ | ↚ | ↚ | ↚ | <code>\nleftarrow^(a)</code> | not left arrow |
| U+0219B | ↛ | ↛ | ↛ | ↛ | ↛ | ↛ | ↛ | <code>\nrightarrow^(a)</code> | not right arrow |
| U+0219C | | ↪ | | | | ↪ | ↪ | <code>\leftwvearrow</code> | left arrow-wavy |
| U+0219D | | ↩ | | | | ↩ | ↩ | <code>\rightwvearrow</code> | right arrow-wavy |
| U+0219E | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | <code>\twoheadleftarrow^(a)</code> | left two-headed arrow |
| U+0219F | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | <code>\twoheaduparrow</code> | up two-headed arrow |
| U+021A0 | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | <code>\twoheadrightarrow^(a)</code> | right two-headed arrow |

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---|--|
| U+021D4 | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | <code>\Leftrightarrow^(p)</code> | left and right double arrow |
| U+021D5 | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | <code>\Updownarrow^(p)</code> | up and down double arrow |
| U+021D6 | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | ↖ | <code>\Nwarrow</code> | nw pointing double arrow |
| U+021D7 | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | ↗ | <code>\Nearrow</code> | ne pointing double arrow |
| U+021D8 | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | ↘ | <code>\Searrow</code> | se pointing double arrow |
| U+021D9 | ↙ | ↙ | ↙ | ↙ | ↙ | ↙ | ↙ | <code>\Swarrow</code> | sw pointing double arrow |
| U+021DA | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | <code>\Lleftarrow^(a)</code> | left triple arrow |
| U+021DB | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | <code>\Rrightarrow^(a)</code> | right triple arrow |
| U+021DC | ↵ | ↵ | ↵ | ↵ | ↵ | ↵ | ↵ | <code>\leftsquigarrow</code> | leftwards squiggle arrow |
| U+021DD | ↶ | ↶ | ↶ | ↶ | ↶ | ↶ | ↶ | <code>\rightsquigarrow^(a)</code> | rightwards squiggle arrow |
| U+021E4 | | ↠ | | | | ↠ | ↠ | <code>\barleftarrow</code> | leftwards arrow to bar |
| U+021E5 | | ↠ | | | | ↠ | ↠ | <code>\rightarrowbar</code> | rightwards arrow to bar |
| U+021F4 | | ↠ | | | | ↠ | ↠ | <code>\circlearrowright</code> | right arrow with small circle |
| U+021F5 | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | ↕ | <code>\downuparrows</code> | downwards arrow leftwards of upwards arrow |
| U+021F6 | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | <code>\rightthreearrows</code> | three rightwards arrows |
| U+021F7 | | ↕ | | | | ↕ | ↕ | <code>\nvleftarrow</code> | leftwards arrow with vertical stroke |
| U+021F8 | | ↕ | | | | ↕ | ↕ | <code>\nvrightarrow</code> | rightwards arrow with vertical stroke |
| U+021F9 | | ↕ | | | | ↕ | ↕ | <code>\nvleftrightharrow</code> | left right arrow with vertical stroke |
| U+021FA | | ↕ | | | | ↕ | ↕ | <code>\nVleftarrow</code> | leftwards arrow with double vertical stroke |
| U+021FB | | ↕ | | | | ↕ | ↕ | <code>\nVrightarrow</code> | rightwards arrow with double vertical stroke |
| U+021FC | | ↕ | | | | ↕ | ↕ | <code>\nVleftrightharrow</code> | left right arrow with double vertical stroke |

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

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














































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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---|-----------------------------|
| U+0226C | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | ↵ | <code>\between^(a)</code> | between |
| U+0226D | ↮ | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | <code>\nasyp</code> | not asymptotically equal to |
| U+0226E | ↱ | ↰ | ↱ | ↲ | ↳ | ↴ | ↵ | <code>\nless^(a)</code> | not less-than |
| U+0226F | ↲ | ↱ | ↱ | ↲ | ↳ | ↴ | ↵ | <code>\ngtr^(a)</code> | not greater-than |
| U+02270 | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | ↵ | <code>\nleq^(a)</code> | not less-than-or-equal |
| U+02271 | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | ↵ | <code>\ngeq^(a)</code> | not greater-than-or-equal |
| U+02272 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\lesssim^(a)</code> | less, similar |
| U+02273 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\gtrsim^(a)</code> | greater, similar |
| U+02274 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\nlesssim</code> | not less, similar |
| U+02275 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\ngtrsim</code> | not greater, similar |
| U+02276 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\lessgtr^(a)</code> | less, greater |
| U+02277 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\gtrless^(a)</code> | greater, less |
| U+02278 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\nlessgtr</code> | not less, greater |
| U+02279 | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\ngtrless</code> | not greater, less |
| U+0227A | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\prec^(p)</code> | precedes |
| U+0227B | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\succ^(p)</code> | succeeds |
| U+0227C | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\preccurlyeq^(a)</code> | precedes, curly equals |
| U+0227D | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\succcurlyeq^(a)</code> | succeeds, curly equals |
| U+0227E | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\precsim^(a)</code> | precedes, similar |
| U+0227F | ⩱ | ⩰ | ⩱ | ⩲ | ⩳ | ⩴ | ⩵ | <code>\succsim^(a)</code> | succeeds, similar |
| U+02280 | ↮ | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | <code>\nprec^(a)</code> | not precedes |
| U+02281 | ↮ | ↯ | ↰ | ↱ | ↲ | ↳ | ↴ | <code>\nsucc^(a)</code> | not succeeds |

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--|---|
| U+022D9 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\ggg^(a)</code> | <i>/ggg /gg /gggtr</i> r: triple greater-than |
| U+022DA | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\lesseqgtr^(a)</code> | less, equals, greater |
| U+022DB | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\gtreqless^(a)</code> | greater, equals, less |
| U+022DC | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\eqless</code> | equal-or-less |
| U+022DD | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\eqgtr</code> | equal-or-greater |
| U+022DE | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\curlyeqprec^(a)</code> | curly equals, precedes |
| U+022DF | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\curlyeqsucc^(a)</code> | curly equals, succeeds |
| U+022E0 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\nprec curlyeq</code> | not precedes, curly equals |
| U+022E1 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\nsucc curlyeq</code> | not succeeds, curly equals |
| U+022E2 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\sqsubseteq</code> | not, square subset, equals |
| U+022E3 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\sqsupseteq</code> | not, square superset, equals |
| U+022E4 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\sqsubsetneq</code> | square subset, not equals |
| U+022E5 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\sqsupsetneq</code> | square superset, not equals |
| U+022E6 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\lnsim^(a)</code> | less, not similar |
| U+022E7 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\gnsim^(a)</code> | greater, not similar |
| U+022E8 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\precnsim^(a)</code> | precedes, not similar |
| U+022E9 | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\succnsim^(a)</code> | succeeds, not similar |
| U+022EA | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\nvartriangleleft</code> | not left triangle |
| U+022EB | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\nvartriangleright</code> | not right triangle |
| U+022EC | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\ntrianglelefteq^(a)</code> | not left triangle, equals |
| U+022ED | ➤ | ➥ | ➦ | ➧ | ➨ | ➩ | ➪ | <code>\ntrianglerighteq^(a)</code> | not right triangle, equals |
| U+022EE | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | <code>\vdots^(p)</code> | vertical ellipsis |



















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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|----|---|---|---|---|---|------------------------------------|-----------------------------------|
| U+027C2 | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | ⊥ | \perp ^(p) | perpendicular |
| U+027C8 | | ↯ | | | | | | \bsolhsb | reverse solidus preceding subset |
| U+027C9 | | ⊃/ | | | | | | \supsol | superset preceding solidus |
| U+027D2 | | ⤿ | | | | | | \upin | element of opening upwards |
| U+027D3 | | ┘ | | | | | | \pullback | lower right corner with dot |
| U+027D4 | | ┐ | | | | | | \pushout | upper left corner with dot |
| U+027DA | ⌞ | ⌞ | ⌞ | ⌞ | ⌞ | | ⌞ | \DashVDash | left and right double turnstile |
| U+027DB | ⌟ | ⌟ | ⌟ | ⌟ | ⌟ | | ⌟ | \dashVdash | left and right tack |
| U+027DC | ⌐ | ⌐ | ⌐ | ⌐ | ⌐ | | ⌐ | \multimapinv | left multimap |
| U+027DD | ⌐ | ⌐ | ⌐ | ⌐ | ⌐ | | ⌐ | \vlongdash | long left tack |
| U+027DE | ⌐ | ⌐ | ⌐ | ⌐ | ⌐ | | ⌐ | \longdashv | long right tack |
| U+027DF | | ⤿ | | | | | | \cirbot | up tack with circle above |
| U+027F0 | | ⤿ | | | | | | \UUparrow | upwards quadruple arrow |
| U+027F1 | | ⤿ | | | | | | \DDownarrow | downwards quadruple arrow |
| U+027F2 | | ↻ | | | | ↻ | ↻ | \acwgapcirculararrow | anticlockwise gapped circle arrow |
| U+027F3 | | ↻ | | | | ↻ | ↻ | \cwgapcirculararrow | clockwise gapped circle arrow |
| U+027F4 | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ | | | \rightarrowonoplus | right arrow with circled plus |
| U+027F5 | ← | ← | ← | ← | ← | ← | ← | \longleftarrow ^(p) | long leftwards arrow |
| U+027F6 | → | → | → | → | → | → | → | \longrightarrow ^(p) | long rightwards arrow |
| U+027F7 | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | ↔ | \longleftrightarrow ^(p) | long left right arrow |
| U+027F8 | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | ⇐ | \Llongleftarrow ^(p) | long leftwards double arrow |
| U+027F9 | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | ⇒ | \Llongrightarrow ^(p) | long rightwards double arrow |

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

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

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

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

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

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

































































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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|-----|---|---|---|---|-----|--------------------------|--|
| U+02A6E | | ≡* | | | | | | \asteq | equals with asterisk |
| U+02A6F | | ≈ | | | | | | \hatapprox | almost equal to with circumflex accent |
| U+02A70 | | ≊ | | | | | ≊ | \approxeq | approximately equal or equal to |
| U+02A73 | | ≋ | | | | | ≋ | \eqqsim | equals sign above tilde operator |
| U+02A74 | | ⋈ | | | | | ⋈ | \Coloneq | double colon equal |
| U+02A75 | | == | | | | | == | \eqeq | two consecutive equals signs |
| U+02A76 | | === | | | | | === | \eqeqeq | three consecutive equals signs |
| U+02A77 | | ⋮ | | | | | | \ddotseq | equals sign with two dots above and two dots below |
| U+02A78 | | ⋮ | | | | | | \equivDD | equivalent with four dots above |
| U+02A79 | | ⋈ | | | | | ⋈ | \ltcir | less-than with circle inside |
| U+02A7A | | ⋈ | | | | | ⋈ | \gtcir | greater-than with circle inside |
| U+02A7B | | ⋈? | | | | | | \ltquest | less-than with question mark above |
| U+02A7C | | ⋈? | | | | | | \gtquest | greater-than with question mark above |
| U+02A7D | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | \leqslant ^(a) | less-than or slanted equal to |
| U+02A7E | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | ⋈ | \geqslant ^(a) | greater-than or slanted equal to |
| U+02A7F | | ⋈ | | | | | ⋈ | \lesdot | less-than or slanted equal to with dot inside |
| U+02A80 | | ⋈ | | | | | ⋈ | \gesdot | greater-than or slanted equal to with dot inside |
| U+02A81 | | ⋈ | | | | | | \lesdoto | less-than or slanted equal to with dot above |
| U+02A82 | | ⋈ | | | | | | \gesdoto | greater-than or slanted equal to with dot above |
| U+02A83 | | ⋈ | | | | | | \lesdotor | less-than or slanted equal to with dot above right |

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

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--|---|
| U+02ABF | | 𐌿 | | | | | | <code>\subsetplus</code> | subset with plus sign below |
| U+02AC0 | | 𐍀 | | | | | | <code>\supsetplus</code> | superset with plus sign below |
| U+02AC1 | | 𐌟 | | | | | | <code>\submult</code> | subset with multiplication sign below |
| U+02AC2 | | 𐍁 | | | | | | <code>\supmult</code> | superset with multiplication sign below |
| U+02AC3 | | 𐌥 | | | | | | <code>\subedot</code> | subset of or equal to with dot above |
| U+02AC4 | | 𐌦 | | | | | | <code>\supedot</code> | superset of or equal to with dot above |
| U+02AC5 | | 𐌧 | 𐌨 | | | | 𐌩 | <code>\subseteqq^(a)</code> | subset of above equals sign |
| U+02AC6 | | 𐌪 | 𐌫 | | | | 𐌬 | <code>\supseteqq^(a)</code> | superset of above equals sign |
| U+02AC7 | | 𐌰 | | | | | 𐌱 | <code>\subsim</code> | subset of above tilde operator |
| U+02AC8 | | 𐌲 | | | | | 𐌳 | <code>\supsim</code> | superset of above tilde operator |
| U+02AC9 | | 𐌵 | | | | | 𐌶 | <code>\subsetapprox</code> | subset of above almost equal to |
| U+02ACA | | 𐌷 | | | | | 𐌸 | <code>\supsetapprox</code> | superset of above almost equal to |
| U+02ACB | | 𐌺 | 𐌻 | | | | 𐌼 | <code>\subsetneqq^(a)</code> | subset of above not equal to |
| U+02ACC | | 𐌽 | 𐌾 | | | | 𐌿 | <code>\supsetneqq^(a)</code> | superset of above not equal to |
| U+02ACD | | 𐍂 | | | | | | <code>\lsqhook</code> | square left open box operator |
| U+02ACE | | 𐍃 | | | | | | <code>\rsqhook</code> | square right open box operator |
| U+02ACF | | 𐍄 | | | | | | <code>\csub</code> | closed subset |
| U+02AD0 | | 𐍅 | | | | | | <code>\csup</code> | closed superset |
| U+02AD1 | | 𐍆 | | | | | | <code>\csube</code> | closed subset or equal to |
| U+02AD2 | | 𐍇 | | | | | | <code>\csupe</code> | closed superset or equal to |
| U+02AD3 | | 𐍈 | | | | | | <code>\subsup</code> | subset above superset |

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|------|---|---|---|---|---|--------------------------------------|--|
| U+02B38 | | ←⋯ | | | | | | <code>\leftdotarrow</code> | leftwards arrow with dotted stem |
| U+02B39 | | ↵ | | | | | | <code>\nleftarrowtail</code> | leftwards arrow with tail with vertical stroke |
| U+02B3A | | ↵↵ | | | | | | <code>\nVleftarrowtail</code> | leftwards arrow with tail with double vertical stroke |
| U+02B3B | | ↔ | | | | | | <code>\twoheadleftarrowtail</code> | leftwards two-headed arrow with tail |
| U+02B3C | | ↔↵ | | | | | | <code>\nvtwoheadleftarrowtail</code> | leftwards two-headed arrow with tail with vertical stroke |
| U+02B3D | | ↔↵↵ | | | | | | <code>\nVtwoheadleftarrowtail</code> | leftwards two-headed arrow with tail with double vertical stroke |
| U+02B3E | | ↵× | | | | | | <code>\leftarrowx</code> | leftwards arrow through x |
| U+02B3F | | ↵↶ | ↶ | | | | | <code>\leftcurvedarrow</code> | wave arrow pointing directly left |
| U+02B40 | | ↵= | | | | | | <code>\equalleftarrow</code> | equals sign above leftwards arrow |
| U+02B41 | | ↵~ | | | | | | <code>\bsimilarleftarrow</code> | reverse tilde operator above leftwards arrow |
| U+02B42 | | ↵≈ | | | | | | <code>\leftarrowbackapprox</code> | leftwards arrow above reverse almost equal to |
| U+02B43 | | ➤ | | | | | | <code>\rightarrowgtr</code> | rightwards arrow through greater-than |
| U+02B44 | | ➤ | | | | | | <code>\rightarrowsupset</code> | rightwards arrow through subset |
| U+02B45 | | ↔↔↔↔ | | | | | ↔ | <code>\LLeftarrow</code> | leftwards quadruple arrow |
| U+02B46 | | ↔↔↔↔ | | | | | ↔ | <code>\Rrightarrow</code> | rightwards quadruple arrow |
| U+02B47 | | ↵~ | | | | | | <code>\bsimilarrightarrow</code> | reverse tilde operator above rightwards arrow |
| U+02B48 | | ↵≈ | | | | | | <code>\rightarrowbackapprox</code> | rightwards arrow above reverse almost equal to |
| U+02B49 | | ↵~ | | | | | | <code>\similarleftarrow</code> | tilde operator above leftwards arrow |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------------------------|---|
| U+02B4A | | ↵ | | | | | | <code>\leftarrowapprox</code> | leftwards arrow above almost equal to |
| U+02B4B | | ↵ | | | | | | <code>\leftarrowbsimilar</code> | leftwards arrow above reverse tilde operator |
| U+02B4C | | ↶ | | | | | | <code>\rightarrowbsimilar</code> | rightwards arrow above reverse tilde operator |

15 Alphabetical symbols, \mathalpha

15.1 Normal weight

15.1.1 Upright Greek, uppercase

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------------|------------------------|
| u+00391 | Α | Α | Α | Α | Α | Α | Α | \mupAlpha | capital alpha, greek |
| u+00392 | Β | Β | Β | Β | Β | Β | Β | \mupBeta | capital beta, greek |
| u+00393 | Γ | Γ | Γ | Γ | Γ | Γ | Γ | \mupGamma | capital gamma, greek |
| u+00394 | Δ | Δ | Δ | Δ | Δ | Δ | Δ | \mupDelta | capital delta, greek |
| u+00395 | Ε | Ε | Ε | Ε | Ε | Ε | Ε | \mupEpsilon | capital epsilon, greek |
| u+00396 | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ | \mupZeta | capital zeta, greek |
| u+00397 | Η | Η | Η | Η | Η | Η | Η | \mupEta | capital eta, greek |
| u+00398 | Θ | Θ | Θ | Θ | Θ | Θ | Θ | \mupTheta | capital theta, greek |
| u+00399 | Ι | Ι | Ι | Ι | Ι | Ι | Ι | \mupIota | capital iota, greek |
| u+0039A | Κ | Κ | Κ | Κ | Κ | Κ | Κ | \mupKappa | capital kappa, greek |
| u+0039B | Λ | Λ | Λ | Λ | Λ | Λ | Λ | \mupLambda | capital lambda, greek |
| u+0039C | Μ | Μ | Μ | Μ | Μ | Μ | Μ | \mupMu | capital mu, greek |
| u+0039D | Ν | Ν | Ν | Ν | Ν | Ν | Ν | \mupNu | capital nu, greek |
| u+0039E | Ξ | Ξ | Ξ | Ξ | Ξ | Ξ | Ξ | \mupXi | capital xi, greek |
| u+0039F | Ο | Ο | Ο | Ο | Ο | Ο | Ο | \mupOmicron | capital omicron, greek |
| u+003A0 | Π | Π | Π | Π | Π | Π | Π | \mupPi | capital pi, greek |
| u+003A1 | Ρ | Ρ | Ρ | Ρ | Ρ | Ρ | Ρ | \mupRho | capital rho, greek |
| u+003A3 | Σ | Σ | Σ | Σ | Σ | Σ | Σ | \mupSigma | capital sigma, greek |
| u+003A4 | Τ | Τ | Τ | Τ | Τ | Τ | Τ | \mupTau | capital tau, greek |
| u+003A5 | Υ | Υ | Υ | Υ | Υ | Υ | Υ | \mupUpsilon | capital upsilon, greek |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-----------|----------------------|
| U+003A6 | Φ | ϕ | ϕ | ϕ | ϕ | ϕ | ϕ | \mupPhi | capital phi, greek |
| U+003A7 | Χ | χ | χ | χ | χ | χ | χ | \mupChi | capital chi, greek |
| U+003A8 | Ψ | ψ | ψ | ψ | ψ | ψ | ψ | \mupPsi | capital psi, greek |
| U+003A9 | Ω | ω | ω | ω | ω | ω | ω | \mupOmega | capital omega, greek |

15.1.2 Upright Greek, lowercase

| usv | M | S | E | 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 |
| U+003B3 | γ | γ | γ | γ | γ | γ | γ | \mupgamma | small gamma, greek |
| U+003B4 | δ | δ | δ | δ | δ | δ | δ | \mupdelta | small delta, greek |
| U+003B5 | ε | ε | ε | ε | ε | ε | ε | \mupvarepsilon | rounded small varepsilon, greek |
| U+003B6 | ζ | ζ | ζ | ζ | ζ | ζ | ζ | \mupzeta | small zeta, greek |
| U+003B7 | η | η | η | η | η | η | η | \mupeta | small eta, greek |
| U+003B8 | θ | θ | θ | θ | θ | θ | θ | \muptheta | straight theta, small theta, greek |
| U+003B9 | ι | ι | ι | ι | ι | ι | ι | \mupiota | small iota, greek |
| U+003BA | κ | κ | κ | κ | κ | κ | κ | \mupkappa | small kappa, greek |
| U+003BB | λ | λ | λ | λ | λ | λ | λ | \muplambda | small lambda, greek |
| U+003BC | μ | μ | μ | μ | μ | μ | μ | \mupmu | small mu, greek |
| U+003BD | ν | ν | ν | ν | ν | ν | ν | \mupnu | small nu, greek |
| U+003BE | ξ | ξ | ξ | ξ | ξ | ξ | ξ | \mupxi | small xi, greek |
| U+003BF | ο | ο | ο | ο | ο | ο | ο | \mupomicron | small omicron, greek |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-----------------|------------------------------------|
| U+003C0 | π | π | π | π | Π | π | π | \muppi | small pi, greek |
| U+003C1 | ρ | ρ | ρ | ρ | Ρ | ρ | ρ | \muprho | small rho, greek |
| U+003C2 | ς | ς | ς | ς | Σ | ς | ς | \mupvarsigma | terminal sigma, greek |
| U+003C3 | σ | σ | σ | σ | Σ | σ | σ | \mupsigma | small sigma, greek |
| U+003C4 | τ | τ | τ | τ | Τ | τ | τ | \muptau | small tau, greek |
| U+003C5 | υ | υ | υ | υ | Υ | υ | υ | \mupupsilon | small upsilon, greek |
| U+003C6 | φ | φ | φ | φ | Φ | φ | φ | \mupvarphi | curly or open small phi, greek |
| U+003C7 | χ | χ | χ | χ | Χ | χ | χ | \mupchi | small chi, greek |
| U+003C8 | ψ | ψ | ψ | ψ | Ψ | ψ | ψ | \muppsi | small psi, greek |
| U+003C9 | ω | ω | ω | ω | Ω | ω | ω | \mupomega | small omega, greek |
| U+003D1 | ϑ | ϑ | ϑ | ϑ | Θ | ϑ | ϑ | \mupvarthetaeta | /varthetaeta - curly or open theta |
| U+003D5 | ϕ | ϕ | ϕ | ϕ | Φ | ϕ | ϕ | \mupphi | /straightphi - small phi, greek |
| U+003D6 | ϖ | ϖ | ϖ | ϖ | ϖ | ϖ | ϖ | \mupvarpi | rounded small pi (pomega), greek |
| U+003DC | | Ϝ | | | | | ϝ | \upDigamma | capital digamma |
| U+003DD | | ϝ | ϝ | | | | Ϟ | \updigamma | old greek small letter digamma |
| U+003F0 | Ϡ | Ϡ | Ϡ | Ϡ | Ϡ | Ϡ | Ϡ | \mupvarkappa | rounded small kappa, greek |
| U+003F1 | ϙ | ϙ | ϙ | ϙ | ϙ | ϙ | ϙ | \mupvarrho | rounded small rho, greek |
| U+003F4 | Θ | Θ | Θ | Θ | Θ | Θ | Θ | \mupvarTheta | greek capital theta symbol |
| U+003F5 | ϵ | ϵ | ϵ | ϵ | ϵ | ϵ | ϵ | \mupepsilon | greek lunate varepsilon symbol |

15.1.3 Italic, Latin, uppercase

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|--------------------|-------------------------------|
| U+1D44A | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <code>\mitW</code> | mathematical italic capital w |
| U+1D44B | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <code>\mitX</code> | mathematical italic capital x |
| U+1D44C | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <code>\mitY</code> | mathematical italic capital y |
| U+1D44D | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <code>\mitZ</code> | mathematical italic capital z |

15.1.4 Italic, Latin, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|--------------------|-----------------------------|
| U+1D44E | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <code>\mita</code> | mathematical italic small a |
| U+1D44F | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <code>\mitb</code> | mathematical italic small b |
| U+1D450 | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <code>\mitc</code> | mathematical italic small c |
| U+1D451 | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <code>\mitd</code> | mathematical italic small d |
| U+1D452 | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <code>\mite</code> | mathematical italic small e |
| U+1D453 | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <code>\mitf</code> | mathematical italic small f |
| U+1D454 | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <code>\mitg</code> | mathematical italic small g |
| U+1D456 | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <code>\miti</code> | mathematical italic small i |
| U+1D457 | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <code>\mitj</code> | mathematical italic small j |
| U+1D458 | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <code>\mitk</code> | mathematical italic small k |
| U+1D459 | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <code>\mitl</code> | mathematical italic small l |
| U+1D45A | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <code>\mitm</code> | mathematical italic small m |
| U+1D45B | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <code>\mitn</code> | mathematical italic small n |
| U+1D45C | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <code>\mito</code> | mathematical italic small o |
| U+1D45D | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <code>\mitp</code> | mathematical italic small p |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|--------------------|-----------------------------|
| U+1D45E | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <code>\mitq</code> | mathematical italic small q |
| U+1D45F | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <code>\mitr</code> | mathematical italic small r |
| U+1D460 | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <code>\mits</code> | mathematical italic small s |
| U+1D461 | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <code>\mitt</code> | mathematical italic small t |
| U+1D462 | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <code>\mitu</code> | mathematical italic small u |
| U+1D463 | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <code>\mitv</code> | mathematical italic small v |
| U+1D464 | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <code>\mitw</code> | mathematical italic small w |
| U+1D465 | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <code>\mitx</code> | mathematical italic small x |
| U+1D466 | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <code>\mity</code> | mathematical italic small y |
| U+1D467 | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <code>\mitz</code> | mathematical italic small z |

15.1.5 Italic Greek, uppercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|--------------------------|-------------------------------------|
| U+1D6E2 | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <code>\mitAlpha</code> | mathematical italic capital alpha |
| U+1D6E3 | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <code>\mitBeta</code> | mathematical italic capital beta |
| U+1D6E4 | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <code>\mitGamma</code> | mathematical italic capital gamma |
| U+1D6E5 | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <code>\mitDelta</code> | mathematical italic capital delta |
| U+1D6E6 | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <code>\mitEpsilon</code> | mathematical italic capital epsilon |
| U+1D6E7 | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <code>\mitZeta</code> | mathematical italic capital zeta |
| U+1D6E8 | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <code>\mitEta</code> | mathematical italic capital eta |
| U+1D6E9 | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <code>\mitTheta</code> | mathematical italic capital theta |
| U+1D6EA | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <code>\mitIota</code> | mathematical italic capital iota |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|---------------------------|--|
| U+1D6EB | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <code>\mitKappa</code> | mathematical italic capital kappa |
| U+1D6EC | <i>Λ</i> | <i>Λ</i> | <i>Λ</i> | <i>Λ</i> | <i>Λ</i> | <i>Λ</i> | <i>Λ</i> | <code>\mitLambda</code> | mathematical italic capital lambda |
| U+1D6ED | <i>Μ</i> | <i>Μ</i> | <i>Μ</i> | <i>Μ</i> | <i>Μ</i> | <i>Μ</i> | <i>Μ</i> | <code>\mitMu</code> | mathematical italic capital mu |
| U+1D6EE | <i>Ν</i> | <i>Ν</i> | <i>Ν</i> | <i>Ν</i> | <i>Ν</i> | <i>Ν</i> | <i>Ν</i> | <code>\mitNu</code> | mathematical italic capital nu |
| U+1D6EF | <i>Ξ</i> | <i>Ξ</i> | <i>Ξ</i> | <i>Ξ</i> | <i>Ξ</i> | <i>Ξ</i> | <i>Ξ</i> | <code>\mitXi</code> | mathematical italic capital xi |
| U+1D6F0 | <i>Ο</i> | <i>Ο</i> | <i>Ο</i> | <i>Ο</i> | <i>Ο</i> | <i>Ο</i> | <i>Ο</i> | <code>\mitOmicron</code> | mathematical italic capital omicron |
| U+1D6F1 | <i>Π</i> | <i>Π</i> | <i>Π</i> | <i>Π</i> | <i>Π</i> | <i>Π</i> | <i>Π</i> | <code>\mitPi</code> | mathematical italic capital pi |
| U+1D6F2 | <i>Ρ</i> | <i>Ρ</i> | <i>Ρ</i> | <i>Ρ</i> | <i>Ρ</i> | <i>Ρ</i> | <i>Ρ</i> | <code>\mitRho</code> | mathematical italic capital rho |
| U+1D6F3 | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <code>\mitvarTheta</code> | mathematical italic capital theta symbol |
| U+1D6F4 | <i>Σ</i> | <i>Σ</i> | <i>Σ</i> | <i>Σ</i> | <i>Σ</i> | <i>Σ</i> | <i>Σ</i> | <code>\mitSigma</code> | mathematical italic capital sigma |
| U+1D6F5 | <i>Τ</i> | <i>Τ</i> | <i>Τ</i> | <i>Τ</i> | <i>Τ</i> | <i>Τ</i> | <i>Τ</i> | <code>\mitTau</code> | mathematical italic capital tau |
| U+1D6F6 | <i>Υ</i> | <i>Υ</i> | <i>Υ</i> | <i>Υ</i> | <i>Υ</i> | <i>Υ</i> | <i>Υ</i> | <code>\mitUpsilon</code> | mathematical italic capital upsilon |
| U+1D6F7 | <i>Φ</i> | <i>Φ</i> | <i>Φ</i> | <i>Φ</i> | <i>Φ</i> | <i>Φ</i> | <i>Φ</i> | <code>\mitPhi</code> | mathematical italic capital phi |
| U+1D6F8 | <i>Χ</i> | <i>Χ</i> | <i>Χ</i> | <i>Χ</i> | <i>Χ</i> | <i>Χ</i> | <i>Χ</i> | <code>\mitChi</code> | mathematical italic capital chi |
| U+1D6F9 | <i>Ψ</i> | <i>Ψ</i> | <i>Ψ</i> | <i>Ψ</i> | <i>Ψ</i> | <i>Ψ</i> | <i>Ψ</i> | <code>\mitPsi</code> | mathematical italic capital psi |
| U+1D6FA | <i>Ω</i> | <i>Ω</i> | <i>Ω</i> | <i>Ω</i> | <i>Ω</i> | <i>Ω</i> | <i>Ω</i> | <code>\mitOmega</code> | mathematical italic capital omega |

15.1.6 Italic Greek, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|------------------------|---------------------------------|
| U+1D6FC | <i>α</i> | <i>α</i> | <i>α</i> | <i>α</i> | <i>α</i> | <i>α</i> | <i>α</i> | <code>\mitalpha</code> | mathematical italic small alpha |
| U+1D6FD | <i>β</i> | <i>β</i> | <i>β</i> | <i>β</i> | <i>β</i> | <i>β</i> | <i>β</i> | <code>\mitbeta</code> | mathematical italic small beta |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------------------|---------------------------------------|
| U+1D6FE | γ | γ | γ | γ | γ | γ | γ | <code>\mitgamma</code> | mathematical italic small gamma |
| U+1D6FF | δ | δ | δ | δ | δ | δ | δ | <code>\mitdelta</code> | mathematical italic small delta |
| U+1D700 | ε | ε | ε | ε | ε | ε | ε | <code>\mitvarepsilon</code> | mathematical italic small varepsilon |
| U+1D701 | ζ | ζ | ζ | ζ | ζ | ζ | ζ | <code>\mitzeta</code> | mathematical italic small zeta |
| U+1D702 | η | η | η | η | η | η | η | <code>\miteta</code> | mathematical italic small eta |
| U+1D703 | θ | θ | θ | θ | θ | θ | θ | <code>\mittheta</code> | mathematical italic small theta |
| U+1D704 | ι | ι | ι | ι | ι | ι | ι | <code>\mitiota</code> | mathematical italic small iota |
| U+1D705 | κ | κ | κ | κ | κ | κ | κ | <code>\mitkappa</code> | mathematical italic small kappa |
| U+1D706 | λ | λ | λ | λ | λ | λ | λ | <code>\mitlambda</code> | mathematical italic small lambda |
| U+1D707 | μ | μ | μ | μ | μ | μ | μ | <code>\mitmu</code> | mathematical italic small mu |
| U+1D708 | ν | ν | ν | ν | ν | ν | ν | <code>\mitnu</code> | mathematical italic small nu |
| U+1D709 | ξ | ξ | ξ | ξ | ξ | ξ | ξ | <code>\mitxi</code> | mathematical italic small xi |
| U+1D70A | \omicron | \omicron | \omicron | \omicron | \omicron | \omicron | \omicron | <code>\mitomicron</code> | mathematical italic small omicron |
| U+1D70B | π | π | π | π | π | π | π | <code>\mitpi</code> | mathematical italic small pi |
| U+1D70C | ρ | ρ | ρ | ρ | ρ | ρ | ρ | <code>\mitrho</code> | mathematical italic small rho |
| U+1D70D | ς | ς | ς | ς | ς | ς | ς | <code>\mitvarsigma</code> | mathematical italic small final sigma |
| U+1D70E | σ | σ | σ | σ | σ | σ | σ | <code>\mitsigma</code> | mathematical italic small sigma |
| U+1D70F | τ | τ | τ | τ | τ | τ | τ | <code>\mittau</code> | mathematical italic small tau |
| U+1D710 | υ | υ | υ | υ | υ | υ | υ | <code>\mitupsilon</code> | mathematical italic small up-silon |
| U+1D711 | φ | φ | φ | φ | φ | φ | φ | <code>\mitvarphi</code> | mathematical italic small phi |
| U+1D712 | χ | χ | χ | χ | χ | χ | χ | <code>\mitchi</code> | mathematical italic small chi |

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

15.1.7 Script, Latin, uppercase

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

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

15.1.8 Script, Latin, lowercase

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|----------|---|----------|----------|----------|----------|---------------------|-----------------------------|
| U+1D4C2 | | <i>m</i> | | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <code>\mscrm</code> | mathematical script small m |
| U+1D4C3 | | <i>n</i> | | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <code>\mscrn</code> | mathematical script small n |
| U+1D4C5 | | <i>p</i> | | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <code>\mscrp</code> | mathematical script small p |
| U+1D4C6 | | <i>q</i> | | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <code>\mscrq</code> | mathematical script small q |
| U+1D4C7 | | <i>r</i> | | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <code>\mscrr</code> | mathematical script small r |
| U+1D4C8 | | <i>s</i> | | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <code>\mscrs</code> | mathematical script small s |
| U+1D4C9 | | <i>t</i> | | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <code>\mscrt</code> | mathematical script small t |
| U+1D4CA | | <i>u</i> | | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <code>\mscru</code> | mathematical script small u |
| U+1D4CB | | <i>v</i> | | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <code>\mscrv</code> | mathematical script small v |
| U+1D4CC | | <i>w</i> | | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <code>\mscrw</code> | mathematical script small w |
| U+1D4CD | | <i>x</i> | | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <code>\mscrx</code> | mathematical script small x |
| U+1D4CE | | <i>y</i> | | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <code>\mscry</code> | mathematical script small y |
| U+1D4CF | | <i>z</i> | | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <code>\mscrz</code> | mathematical script small z |

15.1.9 Fraktur, Latin, uppercase

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
























































































































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

15.1.10 Fraktur, Latin, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---------|------------------------------|
| U+1D51E | 𝔞 | 𝔟 | 𝔠 | 𝔡 | 𝔢 | 𝔣 | 𝔤 | \mfraka | mathematical fraktur small a |
| U+1D51F | 𝔞 | 𝔟 | 𝔠 | 𝔡 | 𝔢 | 𝔣 | 𝔤 | \mfrakb | mathematical fraktur small b |
| U+1D520 | 𝔞 | 𝔟 | 𝔠 | 𝔡 | 𝔢 | 𝔣 | 𝔤 | \mfrakc | mathematical fraktur small c |
| U+1D521 | 𝔞 | 𝔟 | 𝔠 | 𝔡 | 𝔢 | 𝔣 | 𝔤 | \mfrakd | mathematical fraktur small d |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---------|------------------------------|
| 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+1D524 | g | g | g | g | g | g | g | \mfrakg | mathematical fraktur small g |
| U+1D525 | h | h | h | h | h | h | h | \mfrakh | mathematical fraktur small h |
| U+1D526 | i | i | i | i | i | i | i | \mfraki | mathematical fraktur small i |
| U+1D527 | j | j | j | j | j | j | j | \mfrakj | mathematical fraktur small j |
| U+1D528 | k | k | k | k | k | k | k | \mfrakk | mathematical fraktur small k |
| U+1D529 | l | l | l | l | l | l | l | \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+1D52C | o | o | o | o | o | o | o | \mfrako | mathematical fraktur small o |
| U+1D52D | p | p | p | p | p | p | p | \mfrakp | mathematical fraktur small p |
| U+1D52E | q | q | q | q | q | q | q | \mfrakq | mathematical fraktur small q |
| U+1D52F | r | r | r | r | r | r | r | \mfrakr | mathematical fraktur small r |
| U+1D530 | s | s | s | s | s | s | s | \mfraks | mathematical fraktur small s |
| U+1D531 | t | t | t | t | t | t | t | \mfrakt | mathematical fraktur small t |
| U+1D532 | u | u | u | u | u | u | u | \mfraku | mathematical fraktur small u |
| U+1D533 | v | v | v | v | v | v | v | \mfrakv | mathematical fraktur small v |
| U+1D534 | w | w | w | w | w | w | w | \mfrakw | mathematical fraktur small w |
| U+1D535 | x | x | x | x | x | x | x | \mfrakx | mathematical fraktur small x |
| U+1D536 | y | y | y | y | y | y | y | \mfraky | mathematical fraktur small y |
| U+1D537 | z | z | z | z | z | z | z | \mfrakz | mathematical fraktur small z |

15.1.11 Blackboard, Latin, uppercase

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

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

15.1.12 Blackboard, Latin, lowercase

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|----------------------|------------------------------------|
| U+1D552 | a | a | a | a | a | a | a | \Bbba | mathematical double-struck small a |
| U+1D553 | b | b | b | b | b | b | b | \Bbbb | mathematical double-struck small b |
| U+1D554 | c | c | c | c | c | c | c | \Bbbc | mathematical double-struck small c |
| 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 | f | f | f | f | f | \Bbbf | mathematical double-struck small f |
| U+1D558 | g | g | g | g | g | g | g | \Bbbg | mathematical double-struck small g |
| U+1D559 | h | h | h | h | h | h | h | \Bbbh | mathematical double-struck small h |
| U+1D55A | i | i | i | i | i | i | i | \Bbbi | mathematical double-struck small i |
| U+1D55B | j | j | j | j | j | j | j | \Bbbj | mathematical double-struck small j |
| U+1D55C | k | k | k | k | k | k | k | \Bbbk ^(a) | mathematical double-struck small k |
| U+1D55D | l | l | l | l | l | l | l | \Bbb l | mathematical double-struck small l |
| U+1D55E | m | m | m | m | m | m | m | \Bbbm | mathematical double-struck small m |
| U+1D55F | n | n | n | n | n | n | n | \Bbbn | mathematical double-struck small n |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------|------------------------------------|
| U+1D560 | o | o | o | o | o | o | o | \Bbbo | mathematical double-struck small o |
| U+1D561 | p | p | p | p | p | p | p | \Bbbp | mathematical double-struck small p |
| U+1D562 | q | q | q | q | q | q | q | \Bbbq | mathematical double-struck small q |
| U+1D563 | r | r | r | r | r | r | r | \Bbbr | mathematical double-struck small r |
| U+1D564 | s | s | 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 | v | v | v | v | v | v | \Bbbv | mathematical double-struck small v |
| U+1D568 | w | 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 | y | y | y | y | y | y | y | \Bbby | mathematical double-struck small y |
| U+1D56B | z | z | z | z | z | z | z | \Bbbz | mathematical double-struck small z |

15.1.13 Sans serif, Latin, uppercase

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---------|-----------------------------------|
| U+1D5A0 | A | A | A | A | A | A | A | \msansA | mathematical sans-serif capital a |
| U+1D5A1 | B | B | B | B | B | B | B | \msansB | mathematical sans-serif capital b |
| U+1D5A2 | C | C | C | C | C | C | C | \msansC | mathematical sans-serif capital c |
| U+1D5A3 | D | D | D | D | D | D | D | \msansD | mathematical sans-serif capital d |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|---------|-----------------------------------|
| U+1D5A4 | E | E | E | E | E | E | E | \msansE | mathematical sans-serif capital e |
| U+1D5A5 | F | F | F | F | F | F | F | \msansF | mathematical sans-serif capital f |
| U+1D5A6 | G | G | G | G | G | G | G | \msansG | mathematical sans-serif capital g |
| U+1D5A7 | H | H | H | H | H | H | H | \msansH | mathematical sans-serif capital h |
| U+1D5A8 | I | I | I | I | I | I | I | \msansI | mathematical sans-serif capital i |
| U+1D5A9 | J | J | J | J | J | J | J | \msansJ | mathematical sans-serif capital j |
| U+1D5AA | K | K | K | K | K | K | K | \msansK | mathematical sans-serif capital k |
| U+1D5AB | L | L | L | L | L | L | L | \msansL | mathematical sans-serif capital l |
| U+1D5AC | M | M | M | M | M | M | M | \msansM | mathematical sans-serif capital m |
| U+1D5AD | N | N | N | N | N | N | N | \msansN | mathematical sans-serif capital n |
| U+1D5AE | O | O | O | O | O | O | O | \msansO | mathematical sans-serif capital o |
| U+1D5AF | P | P | P | P | P | P | P | \msansP | mathematical sans-serif capital p |
| U+1D5B0 | Q | Q | Q | Q | Q | Q | Q | \msansQ | mathematical sans-serif capital q |
| U+1D5B1 | R | R | R | R | R | R | R | \msansR | mathematical sans-serif capital r |
| U+1D5B2 | S | S | S | S | S | S | S | \msansS | mathematical sans-serif capital s |
| U+1D5B3 | T | T | T | T | T | T | T | \msansT | mathematical sans-serif capital t |
| U+1D5B4 | U | U | U | U | U | U | U | \msansU | mathematical sans-serif capital u |
| U+1D5B5 | V | V | V | V | V | V | V | \msansV | mathematical sans-serif capital v |
| U+1D5B6 | W | W | W | W | W | W | W | \msansW | mathematical sans-serif capital w |

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

15.1.14 Sans serif, Latin, lowercase

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

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

15.1.15 Italic sans serif, Latin, uppercase

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

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|------------------------|--|
| U+1D610 | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <code>\mitsansI</code> | mathematical sans-serif italic capital i |
| U+1D611 | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <code>\mitsansJ</code> | mathematical sans-serif italic capital j |
| U+1D612 | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <code>\mitsansK</code> | mathematical sans-serif italic capital k |
| U+1D613 | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <code>\mitsansL</code> | mathematical sans-serif italic capital l |
| U+1D614 | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <code>\mitsansM</code> | mathematical sans-serif italic capital m |
| U+1D615 | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <code>\mitsansN</code> | mathematical sans-serif italic capital n |
| U+1D616 | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <code>\mitsansO</code> | mathematical sans-serif italic capital o |
| U+1D617 | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <code>\mitsansP</code> | mathematical sans-serif italic capital p |
| U+1D618 | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <code>\mitsansQ</code> | mathematical sans-serif italic capital q |
| U+1D619 | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <code>\mitsansR</code> | mathematical sans-serif italic capital r |
| U+1D61A | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <code>\mitsansS</code> | mathematical sans-serif italic capital s |
| U+1D61B | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <code>\mitsansT</code> | mathematical sans-serif italic capital t |
| U+1D61C | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <code>\mitsansU</code> | mathematical sans-serif italic capital u |
| U+1D61D | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <code>\mitsansV</code> | mathematical sans-serif italic capital v |
| U+1D61E | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <code>\mitsansW</code> | mathematical sans-serif italic capital w |
| U+1D61F | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <code>\mitsansX</code> | mathematical sans-serif italic capital x |
| U+1D620 | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <code>\mitsansY</code> | mathematical sans-serif italic capital y |
| U+1D621 | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <code>\mitsansZ</code> | mathematical sans-serif italic capital z |

15.1.16 Italic sans serif, Latin, lowercase

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

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|------------------------|--|
| U+1D633 | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <code>\mitsansr</code> | mathematical sans-serif italic small r |
| U+1D634 | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <code>\mitsanss</code> | mathematical sans-serif italic small s |
| U+1D635 | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <code>\mitsanst</code> | mathematical sans-serif italic small t |
| U+1D636 | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <code>\mitsansu</code> | mathematical sans-serif italic small u |
| U+1D637 | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <code>\mitsansv</code> | mathematical sans-serif italic small v |
| U+1D638 | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <code>\mitsansw</code> | mathematical sans-serif italic small w |
| U+1D639 | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <code>\mitsansx</code> | mathematical sans-serif italic small x |
| U+1D63A | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <code>\mitsansy</code> | mathematical sans-serif italic small y |
| U+1D63B | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <i>z</i> | <code>\mitsansz</code> | mathematical sans-serif italic small z |

15.1.17 Typewriter, Latin, uppercase

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------------|----------------------------------|
| U+1D670 | A | A | A | A | A | A | A | <code>\mttA</code> | mathematical monospace capital a |
| U+1D671 | B | B | B | B | B | B | B | <code>\mttB</code> | mathematical monospace capital b |
| U+1D672 | C | C | C | C | C | C | C | <code>\mttC</code> | mathematical monospace capital c |
| U+1D673 | D | D | D | D | D | D | D | <code>\mttD</code> | mathematical monospace capital d |
| U+1D674 | E | E | E | E | E | E | E | <code>\mttE</code> | mathematical monospace capital e |
| U+1D675 | F | F | F | F | F | F | F | <code>\mttF</code> | mathematical monospace capital f |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------|----------------------------------|
| u+1D676 | ᠑ | ᠒ | ᠓ | ᠔ | ᠕ | ᠖ | ᠗ | \mttG | mathematical monospace capital g |
| u+1D677 | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | ᠓ | ᠔ | \mttH | mathematical monospace capital h |
| u+1D678 | ᠓ | ᠔ | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | \mttI | mathematical monospace capital i |
| u+1D679 | ᠔ | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | \mttJ | mathematical monospace capital j |
| u+1D67A | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | \mttK | mathematical monospace capital k |
| u+1D67B | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | \mttL | mathematical monospace capital l |
| u+1D67C | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | ᠓ | \mttM | mathematical monospace capital m |
| u+1D67D | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | ᠓ | ᠔ | \mttN | mathematical monospace capital n |
| u+1D67E | ᠙ | ᠐ | ᠑ | ᠒ | ᠓ | ᠔ | ᠕ | \mttO | mathematical monospace capital o |
| u+1D67F | ᠐ | ᠑ | ᠒ | ᠓ | ᠔ | ᠕ | ᠖ | \mttP | mathematical monospace capital p |
| u+1D680 | ᠑ | ᠒ | ᠓ | ᠔ | ᠕ | ᠖ | ᠗ | \mttQ | mathematical monospace capital q |
| u+1D681 | ᠒ | ᠓ | ᠔ | ᠕ | ᠖ | ᠗ | ᠘ | \mttR | mathematical monospace capital r |
| u+1D682 | ᠓ | ᠔ | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | \mttS | mathematical monospace capital s |
| u+1D683 | ᠔ | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | \mttT | mathematical monospace capital t |
| u+1D684 | ᠕ | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | \mttU | mathematical monospace capital u |
| u+1D685 | ᠖ | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | \mttV | mathematical monospace capital v |
| u+1D686 | ᠗ | ᠘ | ᠙ | ᠐ | ᠑ | ᠒ | ᠓ | \mttW | mathematical monospace capital w |

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|-------|----------------------------------|
| U+1D687 | X | X | X | X | X | X | X | \mttX | mathematical monospace capital x |
| U+1D688 | Y | Y | Y | Y | Y | Y | Y | \mttY | mathematical monospace capital y |
| U+1D689 | Z | Z | Z | Z | Z | Z | Z | \mttZ | mathematical monospace capital z |

15.1.18 Typewriter, Latin, lowercase

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

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

15.2 Bold

15.2.1 Bold, Latin, uppercase

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

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

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

15.2.2 Bold, Latin, lowercase

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

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

15.2.3 Bold Greek, uppercase

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------|--|
| U+1D6B2 | Λ | Λ | Λ | Λ | Λ | Λ | Λ | \mbfLambda | mathematical bold capital lambda |
| U+1D6B3 | Μ | Μ | Μ | Μ | Μ | Μ | Μ | \mbfMu | mathematical bold capital mu |
| U+1D6B4 | Ν | Ν | Ν | Ν | Ν | Ν | Ν | \mbfNu | mathematical bold capital nu |
| U+1D6B5 | Ξ | Ξ | Ξ | Ξ | Ξ | Ξ | Ξ | \mbfXi | mathematical bold capital xi |
| U+1D6B6 | Ο | Ο | Ο | Ο | Ο | Ο | Ο | \mbfOmicron | mathematical bold capital omicron |
| U+1D6B7 | Π | Π | Π | Π | Π | Π | Π | \mbfPi | mathematical bold capital pi |
| U+1D6B8 | Ρ | Ρ | Ρ | Ρ | Ρ | Ρ | Ρ | \mbfRho | mathematical bold capital rho |
| U+1D6B9 | Θ | Θ | Θ | Θ | Θ | Θ | Θ | \mbfvarTheta | mathematical bold capital theta symbol |
| U+1D6BA | Σ | Σ | Σ | Σ | Σ | Σ | Σ | \mbfSigma | mathematical bold capital sigma |
| U+1D6BB | Τ | Τ | Τ | Τ | Τ | Τ | Τ | \mbfTau | mathematical bold capital tau |
| U+1D6BC | Υ | Υ | Υ | Υ | Υ | Υ | Υ | \mbfUpsilon | mathematical bold capital upsilon |
| U+1D6BD | Φ | Φ | Φ | Φ | Φ | Φ | Φ | \mbfPhi | mathematical bold capital phi |
| U+1D6BE | Χ | Χ | Χ | Χ | Χ | Χ | Χ | \mbfChi | mathematical bold capital chi |
| U+1D6BF | Ψ | Ψ | Ψ | Ψ | Ψ | Ψ | Ψ | \mbfPsi | mathematical bold capital psi |
| U+1D6C0 | Ω | Ω | Ω | Ω | Ω | Ω | Ω | \mbfOmega | mathematical bold capital omega |

15.2.4 Bold Greek, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------|-------------------------------|
| U+1D6C2 | α | α | α | α | α | α | α | \mbfalphabet | mathematical bold small alpha |
| U+1D6C3 | β | β | β | β | β | β | β | \mbfbeta | mathematical bold small beta |
| U+1D6C4 | γ | γ | γ | γ | γ | γ | γ | \mbfgamma | mathematical bold small gamma |

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|--------------|--|
| U+1D6DA | Ω | Ω | Ω | Ω | Ω | Ω | Ω | \mbfomega | mathematical bold small omega |
| U+1D6DB | ∂ | ∂ | ∂ | ∂ | ∂ | ∂ | ∂ | \mbfpartial | mathematical bold partial differential |
| U+1D6DC | ε | ε | ε | ε | ε | ε | ε | \mbfepsilon | mathematical bold varepsilon symbol |
| U+1D6DD | ϑ | ϑ | ϑ | ϑ | ϑ | ϑ | ϑ | \mbfvartheta | mathematical bold theta symbol |
| U+1D6DE | κ | κ | κ | κ | κ | κ | κ | \mbfvarkappa | mathematical bold kappa symbol |
| U+1D6DF | φ | φ | φ | φ | φ | φ | φ | \mbfphi | mathematical bold phi symbol |
| U+1D6EO | ρ | ρ | ρ | ρ | ρ | ρ | ρ | \mbfvarrho | mathematical bold rho symbol |
| U+1D6E1 | ω | ω | ω | ω | ω | ω | ω | \mbfvarpi | mathematical bold pi symbol |

15.2.5 Bold italic, Latin, uppercase

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|----------------------|------------------------------------|
| U+1D470 | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <i>I</i> | <code>\mbfitI</code> | mathematical bold italic capital i |
| U+1D471 | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <i>J</i> | <code>\mbfitJ</code> | mathematical bold italic capital j |
| U+1D472 | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <i>K</i> | <code>\mbfitK</code> | mathematical bold italic capital k |
| U+1D473 | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <i>L</i> | <code>\mbfitL</code> | mathematical bold italic capital l |
| U+1D474 | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <i>M</i> | <code>\mbfitM</code> | mathematical bold italic capital m |
| U+1D475 | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <i>N</i> | <code>\mbfitN</code> | mathematical bold italic capital n |
| U+1D476 | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <i>O</i> | <code>\mbfitO</code> | mathematical bold italic capital o |
| U+1D477 | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <i>P</i> | <code>\mbfitP</code> | mathematical bold italic capital p |
| U+1D478 | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <i>Q</i> | <code>\mbfitQ</code> | mathematical bold italic capital q |
| U+1D479 | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <i>R</i> | <code>\mbfitR</code> | mathematical bold italic capital r |
| U+1D47A | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <i>S</i> | <code>\mbfitS</code> | mathematical bold italic capital s |
| U+1D47B | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <i>T</i> | <code>\mbfitT</code> | mathematical bold italic capital t |
| U+1D47C | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <i>U</i> | <code>\mbfitU</code> | mathematical bold italic capital u |
| U+1D47D | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <i>V</i> | <code>\mbfitV</code> | mathematical bold italic capital v |
| U+1D47E | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <i>W</i> | <code>\mbfitW</code> | mathematical bold italic capital w |
| U+1D47F | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <i>X</i> | <code>\mbfitX</code> | mathematical bold italic capital x |
| U+1D480 | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <i>Y</i> | <code>\mbfitY</code> | mathematical bold italic capital y |
| U+1D481 | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <i>Z</i> | <code>\mbfitZ</code> | mathematical bold italic capital z |

| usv | M | S | E | P | D | L | G | Macro | Description |
|-----|---|---|---|---|---|---|---|-------|-------------|
|-----|---|---|---|---|---|---|---|-------|-------------|

15.2.6 Bold italic, Latin, lowercase

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|----------------------|----------------------------------|
| U+1D482 | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <code>\mbfita</code> | mathematical bold italic small a |
| U+1D483 | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <code>\mbfitb</code> | mathematical bold italic small b |
| U+1D484 | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <code>\mbfitc</code> | mathematical bold italic small c |
| U+1D485 | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <code>\mbfitd</code> | mathematical bold italic small d |
| U+1D486 | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <code>\mbfite</code> | mathematical bold italic small e |
| U+1D487 | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <code>\mbfitf</code> | mathematical bold italic small f |
| U+1D488 | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <code>\mbfitg</code> | mathematical bold italic small g |
| U+1D489 | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <code>\mbfith</code> | mathematical bold italic small h |
| U+1D48A | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <code>\mbfiti</code> | mathematical bold italic small i |
| U+1D48B | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <code>\mbfitj</code> | mathematical bold italic small j |
| U+1D48C | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <code>\mbfitk</code> | mathematical bold italic small k |
| U+1D48D | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <code>\mbfitl</code> | mathematical bold italic small l |
| U+1D48E | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <code>\mbfitm</code> | mathematical bold italic small m |
| U+1D48F | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <code>\mbfitn</code> | mathematical bold italic small n |
| U+1D490 | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <code>\mbfito</code> | mathematical bold italic small o |
| U+1D491 | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <code>\mbfitp</code> | mathematical bold italic small p |
| U+1D492 | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <code>\mbfitq</code> | mathematical bold italic small q |
| U+1D493 | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <code>\mbfitr</code> | mathematical bold italic small r |
| U+1D494 | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <code>\mbfits</code> | mathematical bold italic small s |

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

15.2.7 Bold italic Greek, uppercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|----------------------------|--|
| U+1D71C | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <i>Α</i> | <code>\mbfitAlpha</code> | mathematical bold italic capital alpha |
| U+1D71D | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <i>Β</i> | <code>\mbfitBeta</code> | mathematical bold italic capital beta |
| U+1D71E | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <i>Γ</i> | <code>\mbfitGamma</code> | mathematical bold italic capital gamma |
| U+1D71F | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <i>Δ</i> | <code>\mbfitDelta</code> | mathematical bold italic capital delta |
| U+1D720 | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <i>Ε</i> | <code>\mbfitEpsilon</code> | mathematical bold italic capital epsilon |
| U+1D721 | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <i>Ζ</i> | <code>\mbfitZeta</code> | mathematical bold italic capital zeta |
| U+1D722 | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <i>Η</i> | <code>\mbfitEta</code> | mathematical bold italic capital eta |
| U+1D723 | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <i>Θ</i> | <code>\mbfitTheta</code> | mathematical bold italic capital theta |
| U+1D724 | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <i>Ι</i> | <code>\mbfitIota</code> | mathematical bold italic capital iota |
| U+1D725 | <i>Κ</i> | <i>Κ</i> | <i>Κ</i> | <i>Κ</i> | <i>Κ</i> | <i>Κ</i> | <i>Κ</i> | <code>\mbfitKappa</code> | mathematical bold italic capital kappa |

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

15.2.8 Bold italic Greek, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------------|--|
| U+1D736 | α | α | α | α | α | α | α | <code>\mbfitalpha</code> | mathematical bold italic small alpha |
| U+1D737 | β | β | β | β | β | β | β | <code>\mbfitbeta</code> | mathematical bold italic small beta |
| U+1D738 | γ | γ | γ | γ | γ | γ | γ | <code>\mbfitgamma</code> | mathematical bold italic small gamma |
| U+1D739 | δ | δ | δ | δ | δ | δ | δ | <code>\mbfitdelta</code> | mathematical bold italic small delta |
| U+1D73A | ϵ | ϵ | ϵ | ϵ | ϵ | ϵ | ϵ | <code>\mbfitvarepsilon</code> | mathematical bold italic small varepsilon |
| U+1D73B | ζ | ζ | ζ | ζ | ζ | ζ | ζ | <code>\mbfitzeta</code> | mathematical bold italic small zeta |
| U+1D73C | η | η | η | η | η | η | η | <code>\mbfiteta</code> | mathematical bold italic small eta |
| U+1D73D | θ | θ | θ | θ | θ | θ | θ | <code>\mbfittheta</code> | mathematical bold italic small theta |
| U+1D73E | ι | ι | ι | ι | ι | ι | ι | <code>\mbfitiota</code> | mathematical bold italic small iota |
| U+1D73F | κ | κ | κ | κ | κ | κ | κ | <code>\mbfitkappa</code> | mathematical bold italic small kappa |
| U+1D740 | λ | λ | λ | λ | λ | λ | λ | <code>\mbfitlambda</code> | mathematical bold italic small lambda |
| U+1D741 | μ | μ | μ | μ | μ | μ | μ | <code>\mbfitmu</code> | mathematical bold italic small mu |
| U+1D742 | ν | ν | ν | ν | ν | ν | ν | <code>\mbfitnu</code> | mathematical bold italic small nu |
| U+1D743 | ξ | ξ | ξ | ξ | ξ | ξ | ξ | <code>\mbfitxi</code> | mathematical bold italic small xi |
| U+1D744 | \omicron | \omicron | \omicron | \omicron | \omicron | \omicron | \omicron | <code>\mbfitomicron</code> | mathematical bold italic small omicron |
| U+1D745 | π | π | π | π | π | π | π | <code>\mbfitpi</code> | mathematical bold italic small pi |
| U+1D746 | ρ | ρ | ρ | ρ | ρ | ρ | ρ | <code>\mbfitrho</code> | mathematical bold italic small rho |
| U+1D747 | ς | ς | ς | ς | ς | ς | ς | <code>\mbfitvarsigma</code> | mathematical bold italic small final sigma |
| U+1D748 | σ | σ | σ | σ | σ | σ | σ | <code>\mbfitsigma</code> | mathematical bold italic small sigma |

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

15.2.9 Bold script, Latin, uppercase

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

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

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































































































































15.2.10 Bold script, Latin, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|-------------------------------------|
| U+1D4EA | <i>a</i> | <i>a</i> | <i>ȁ</i> | <i>a</i> | <i>a</i> | <i>ȁ</i> | <i>a</i> | <code>\mbfscra</code> | mathematical bold script small a |
| U+1D4EB | <i>b</i> | <i>b</i> | <i>Ȃ</i> | <i>b</i> | <i>b</i> | <i>Ȃ</i> | <i>b</i> | <code>\mbfscrb</code> | mathematical bold script small b |
| U+1D4EC | <i>c</i> | <i>c</i> | <i>ȃ</i> | <i>c</i> | <i>c</i> | <i>ȃ</i> | <i>c</i> | <code>\mbfscrc</code> | mathematical bold script small c |
| U+1D4ED | <i>d</i> | <i>d</i> | <i>Ȅ</i> | <i>d</i> | <i>d</i> | <i>Ȅ</i> | <i>d</i> | <code>\mbfscrd</code> | mathematical bold script small d |
| U+1D4EE | <i>e</i> | <i>e</i> | <i>ȅ</i> | <i>e</i> | <i>e</i> | <i>ȅ</i> | <i>e</i> | <code>\mbfscre</code> | mathematical bold script small e |
| U+1D4EF | <i>f</i> | <i>f</i> | <i>Ȇ</i> | <i>f</i> | <i>f</i> | <i>Ȇ</i> | <i>f</i> | <code>\mbfscrff</code> | mathematical bold script small f |
| U+1D4F0 | <i>g</i> | <i>g</i> | <i>ȇ</i> | <i>g</i> | <i>g</i> | <i>ȇ</i> | <i>g</i> | <code>\mbfscrg</code> | mathematical bold script small g |
| U+1D4F1 | <i>h</i> | <i>h</i> | <i>Ȉ</i> | <i>h</i> | <i>h</i> | <i>Ȉ</i> | <i>h</i> | <code>\mbfscrh</code> | mathematical bold script small h |
| U+1D4F2 | <i>i</i> | <i>i</i> | <i>ȉ</i> | <i>i</i> | <i>i</i> | <i>ȉ</i> | <i>i</i> | <code>\mbfscri</code> | mathematical bold script small i |
| U+1D4F3 | <i>j</i> | <i>j</i> | <i>Ȋ</i> | <i>j</i> | <i>j</i> | <i>Ȋ</i> | <i>j</i> | <code>\mbfscrj</code> | mathematical bold script small j |
| U+1D4F4 | <i>k</i> | <i>k</i> | <i>ȋ</i> | <i>k</i> | <i>k</i> | <i>ȋ</i> | <i>k</i> | <code>\mbfscrk</code> | mathematical bold script small k |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|----------|---|----------|----------|----------|----------|-----------------------|----------------------------------|
| U+1D4F5 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small l |
| U+1D4F6 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small m |
| U+1D4F7 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small n |
| U+1D4F8 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small o |
| U+1D4F9 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small p |
| U+1D4FA | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small q |
| U+1D4FB | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small r |
| U+1D4FC | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small s |
| U+1D4FD | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small t |
| U+1D4FE | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small u |
| U+1D4FF | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small v |
| U+1D500 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small w |
| U+1D501 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small x |
| U+1D502 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small y |
| U+1D503 | | <i>ℓ</i> | | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <i>ℓ</i> | <code>\mbfscrℓ</code> | mathematical bold script small z |

15.2.11 Bold fraktur, Latin, uppercase

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|------------------------|-------------------------------------|
| U+1D57F | | | | | | | | <code>\mbffrakT</code> | mathematical bold fraktur capital t |
| U+1D580 | | | | | | | | <code>\mbffrakU</code> | mathematical bold fraktur capital u |
| U+1D581 | | | | | | | | <code>\mbffrakV</code> | mathematical bold fraktur capital v |
| U+1D582 | | | | | | | | <code>\mbffrakW</code> | mathematical bold fraktur capital w |
| U+1D583 | | | | | | | | <code>\mbffrakX</code> | mathematical bold fraktur capital x |
| U+1D584 | | | | | | | | <code>\mbffrakY</code> | mathematical bold fraktur capital y |
| U+1D585 | | | | | | | | <code>\mbffrakZ</code> | mathematical bold fraktur capital z |

15.2.12 Bold fraktur, Latin, lowercase

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

| usv | M | S | E | P | D | L | G | Macro | Description |
|---------|----------|----------|----------|----------|----------|----------|----------|-------------------------|-----------------------------------|
| U+1D58F | j | j | j | j | j | j | j | <code>\mbffrakj</code> | mathematical bold fraktur small j |
| U+1D590 | k | k | k | k | k | k | k | <code>\mbffrak k</code> | mathematical bold fraktur small k |
| U+1D591 | l | l | l | l | l | l | l | <code>\mbffrakl</code> | mathematical bold fraktur small l |
| U+1D592 | m | m | m | m | m | m | m | <code>\mbffrakm</code> | mathematical bold fraktur small m |
| U+1D593 | n | n | n | n | n | n | n | <code>\mbffrakn</code> | mathematical bold fraktur small n |
| U+1D594 | o | o | o | o | o | o | o | <code>\mbffrako</code> | mathematical bold fraktur small o |
| U+1D595 | p | p | p | p | p | p | p | <code>\mbffrakp</code> | mathematical bold fraktur small p |
| U+1D596 | q | q | q | q | q | q | q | <code>\mbffrakq</code> | mathematical bold fraktur small q |
| U+1D597 | r | r | r | r | r | r | r | <code>\mbffrakr</code> | mathematical bold fraktur small r |
| U+1D598 | s | s | s | s | s | s | s | <code>\mbffraks</code> | mathematical bold fraktur small s |
| U+1D599 | t | t | t | t | t | t | t | <code>\mbffrakt</code> | mathematical bold fraktur small t |
| U+1D59A | u | u | u | u | u | u | u | <code>\mbffraku</code> | mathematical bold fraktur small u |
| U+1D59B | v | v | v | v | v | v | v | <code>\mbffrakv</code> | mathematical bold fraktur small v |
| U+1D59C | w | w | w | w | w | w | w | <code>\mbffrakw</code> | mathematical bold fraktur small w |
| U+1D59D | x | x | x | x | x | x | x | <code>\mbffrakx</code> | mathematical bold fraktur small x |
| U+1D59E | y | y | y | y | y | y | y | <code>\mbffraky</code> | mathematical bold fraktur small y |
| U+1D59F | z | z | z | z | z | z | z | <code>\mbffrakz</code> | mathematical bold fraktur small z |

15.2.13 Bold sans serif, Latin, uppercase

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

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

15.2.14 Bold sans serif, Latin, lowercase

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

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

15.2.15 Bold italic sans serif, Latin, uppercase

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

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

15.2.16 Bold italic sans serif, Latin, lowercase

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|---|
| U+1D656 | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <i>a</i> | <code>\mbfitsansa</code> | mathematical sans-serif bold italic small a |
| U+1D657 | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <i>b</i> | <code>\mbfitsansb</code> | mathematical sans-serif bold italic small b |
| U+1D658 | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <i>c</i> | <code>\mbfitsansc</code> | mathematical sans-serif bold italic small c |
| U+1D659 | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <i>d</i> | <code>\mbfitsansd</code> | mathematical sans-serif bold italic small d |
| U+1D65A | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <i>e</i> | <code>\mbfitsanse</code> | mathematical sans-serif bold italic small e |
| U+1D65B | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <i>f</i> | <code>\mbfitsansf</code> | mathematical sans-serif bold italic small f |
| U+1D65C | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <i>g</i> | <code>\mbfitsansg</code> | mathematical sans-serif bold italic small g |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|---|
| U+1D65D | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <i>h</i> | <code>\mbfitsansh</code> | mathematical sans-serif bold italic small h |
| U+1D65E | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <i>i</i> | <code>\mbfitsansi</code> | mathematical sans-serif bold italic small i |
| U+1D65F | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <i>j</i> | <code>\mbfitsansj</code> | mathematical sans-serif bold italic small j |
| U+1D660 | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <i>k</i> | <code>\mbfitsansk</code> | mathematical sans-serif bold italic small k |
| U+1D661 | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <i>l</i> | <code>\mbfitsansl</code> | mathematical sans-serif bold italic small l |
| U+1D662 | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <i>m</i> | <code>\mbfitsansm</code> | mathematical sans-serif bold italic small m |
| U+1D663 | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <i>n</i> | <code>\mbfitsansn</code> | mathematical sans-serif bold italic small n |
| U+1D664 | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <i>o</i> | <code>\mbfitsanso</code> | mathematical sans-serif bold italic small o |
| U+1D665 | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <i>p</i> | <code>\mbfitsansp</code> | mathematical sans-serif bold italic small p |
| U+1D666 | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <i>q</i> | <code>\mbfitsansq</code> | mathematical sans-serif bold italic small q |
| U+1D667 | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <i>r</i> | <code>\mbfitsansr</code> | mathematical sans-serif bold italic small r |
| U+1D668 | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <i>s</i> | <code>\mbfitsanss</code> | mathematical sans-serif bold italic small s |
| U+1D669 | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <i>t</i> | <code>\mbfitsanst</code> | mathematical sans-serif bold italic small t |
| U+1D66A | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <i>u</i> | <code>\mbfitsansu</code> | mathematical sans-serif bold italic small u |
| U+1D66B | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <i>v</i> | <code>\mbfitsansv</code> | mathematical sans-serif bold italic small v |
| U+1D66C | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <i>w</i> | <code>\mbfitsansw</code> | mathematical sans-serif bold italic small w |
| U+1D66D | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <i>x</i> | <code>\mbfitsansx</code> | mathematical sans-serif bold italic small x |
| U+1D66E | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <i>y</i> | <code>\mbfitsansy</code> | mathematical sans-serif bold italic small y |

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

15.2.17 Bold sans serif Greek, uppercase

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

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

15.2.18 Bold sans serif Greek, lowercase

| USV | M | S | E | 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+1D772 | γ | γ | γ | γ | γ | γ | γ | \mbfsansgamma | mathematical sans-serif bold small gamma |
| U+1D773 | δ | δ | δ | δ | δ | δ | δ | \mbfsansdelta | mathematical sans-serif bold small delta |
| U+1D774 | ε | ε | ε | ε | ε | ε | ε | \mbfsansvarepsilon | mathematical sans-serif bold small varepsilon |
| U+1D775 | ζ | ζ | ζ | ζ | ζ | ζ | ζ | \mbfsanszeta | mathematical sans-serif bold small zeta |

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|---|---|---|---|---|---|------------------|--|
| U+1D776 | η | η | η | η | η | η | η | \mbfsanseta | mathematical sans-serif bold small eta |
| U+1D777 | θ | θ | θ | θ | θ | θ | θ | \mbfsanstheta | mathematical sans-serif bold small theta |
| U+1D778 | ι | ι | ι | ι | ι | ι | ι | \mbfsansiota | mathematical sans-serif bold small iota |
| U+1D779 | κ | κ | κ | κ | κ | κ | κ | \mbfsanskappa | mathematical sans-serif bold small kappa |
| U+1D77A | λ | λ | λ | λ | λ | λ | λ | \mbfsanslambda | mathematical sans-serif bold small lambda |
| U+1D77B | μ | μ | μ | μ | μ | μ | μ | \mbfsansmu | mathematical sans-serif bold small mu |
| U+1D77C | ν | ν | ν | ν | ν | ν | ν | \mbfsansnu | mathematical sans-serif bold small nu |
| U+1D77D | ξ | ξ | ξ | ξ | ξ | ξ | ξ | \mbfsansxi | mathematical sans-serif bold small xi |
| U+1D77E | ο | ο | ο | ο | ο | ο | ο | \mbfsansomicron | mathematical sans-serif bold small omicron |
| U+1D77F | π | π | π | π | π | π | π | \mbfsanspi | mathematical sans-serif bold small pi |
| U+1D780 | ρ | ρ | ρ | ρ | ρ | ρ | ρ | \mbfsansrho | mathematical sans-serif bold small rho |
| U+1D781 | ς | ς | ς | ς | ς | ς | ς | \mbfsansvarsigma | mathematical sans-serif bold small final sigma |
| U+1D782 | σ | σ | σ | σ | σ | σ | σ | \mbfsanssigma | mathematical sans-serif bold small sigma |
| U+1D783 | τ | τ | τ | τ | τ | τ | τ | \mbfsanstau | mathematical sans-serif bold small tau |
| U+1D784 | υ | υ | υ | υ | υ | υ | υ | \mbfsansupsilon | mathematical sans-serif bold small upsilon |
| U+1D785 | φ | φ | φ | φ | φ | φ | φ | \mbfsansvarphi | mathematical sans-serif bold small phi |
| U+1D786 | χ | χ | χ | χ | χ | χ | χ | \mbfsanschi | mathematical sans-serif bold small chi |
| U+1D787 | ψ | ψ | ψ | ψ | ψ | ψ | ψ | \mbfsanspsi | mathematical sans-serif bold small psi |

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

15.2.19 Bold italic sans serif Greek, uppercase

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

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

15.2.20 Bold italic sans serif Greek, lowercase

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

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

15.3 Miscellaneous

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

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

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

| USV | M | S | E | P | D | L | G | Macro | Description |
|---------|---|----------|---|---|---|----------|---|-----------------|---|
| U+1D7A9 | ↵ | ↵ | ↵ | ↵ | ↵ | ↵ | | \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 |