

# Every symbol defined by unicode-math

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January 29, 2011

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.

## Contents

|    |   |    |
|----|---|----|
| 1  | Opening symbols, <code>\mathopen</code>       | 2  |
| 2  | Closing symbols, <code>\mathclose</code>      | 3  |
| 3  | Fence symbols, <code>\mathfence</code>        | 4  |
| 4  | Punctuation symbols, <code>\mathpunct</code>  | 4  |
| 5  | Accents, <code>\mathaccent</code>             | 5  |
| 6  | Big operators, <code>\mathop</code>           | 6  |
| 7  | Binary relations, <code>\mathbin</code>       | 9  |
| 8  | Ordinary symbols, <code>\mathord</code>       | 13 |
| 9  | Relation symbols, <code>\mathrel</code>       | 23 |
| 10 | Alphabetical symbols, <code>\mathalpha</code> | 35 |

# 1 Opening symbols, `\mathopen`

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| USV     | Ex.            | Macro                       | Description                                    |
|---------|----------------|-----------------------------|--|
| U+00028 | (              | <code>\lparen</code>        | LEFT PARENTHESIS                               |
| U+0005B | [              | <code>\lbrack</code>        | LEFT SQUARE BRACKET                            |
| U+0007B | {              | <code>\lbrace</code>        | LEFT CURLY BRACKET                             |
| U+0221A | √              | <code>\sqrt</code>          | RADICAL  |
| U+0221B | <sup>3</sup> √ | <code>\cuberoot</code>      | CUBE ROOT                                      |
| U+0221C | <sup>4</sup> √ | <code>\fourthroot</code>    | FOURTH ROOT                                    |
| U+02308 | ⌈              | <code>\lceil</code>         | LEFT CEILING                                   |
| U+0230A | ⌋              | <code>\lfloor</code>        | LEFT FLOOR                                     |
| U+0231C | ⌜              | <code>\ulcorner</code>      | UPPER LEFT CORNER                              |
| U+0231E | ⌞              | <code>\llcorner</code>      | LOWER LEFT CORNER                              |
| U+02772 | ⌞              | <code>\lbrbrak</code>       | LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT     |
| U+027C5 | ⌋              | <code>\lbag</code>          | LEFT S-SHAPED BAG DELIMITER                    |
| U+027CC | )              | <code>\longdivision</code>  | LONG DIVISION                                  |
| U+027E6 | ⌈              | <code>\lBrack</code>        | MATHEMATICAL LEFT WHITE SQUARE BRACKET         |
| U+027E8 | <              | <code>\langle</code>        | MATHEMATICAL LEFT ANGLE BRACKET                |
| U+027EA | <<             | <code>\lAngle</code>        | MATHEMATICAL LEFT DOUBLE ANGLE BRACKET         |
| U+027EC | ⌈              | <code>\Lbrbrak</code>       | MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET |
| U+02983 | {              | <code>\lBrace</code>        | LEFT WHITE CURLY BRACKET                       |
| U+02985 | (              | <code>\lParen</code>        | LEFT WHITE PARENTHESIS                         |
| U+02987 | ⌈              | <code>\llparenthesis</code> | Z NOTATION LEFT IMAGE BRACKET                  |
| U+02989 | <              | <code>\llangle</code>       | Z NOTATION LEFT BINDING BRACKET                |
| U+0298B | ⌈              | <code>\lbrackubar</code>    | LEFT SQUARE BRACKET WITH UNDERBAR              |
| U+0298D | ⌈              | <code>\lbrackultick</code>  | LEFT SQUARE BRACKET WITH TICK IN TOP CORNER    |
| U+0298F | ⌈              | <code>\lbracklltick</code>  | LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER |
| U+02991 | <              | <code>\langedot</code>      | LEFT ANGLE BRACKET WITH DOT                    |
| U+02993 | ⌞              | <code>\lparenless</code>    | LEFT ARC LESS-THAN BRACKET                     |
| U+02995 | ⌞              | <code>\lparengtr</code>     | DOUBLE LEFT ARC GREATER-THAN BRACKET           |
| U+02997 | ⌈              | <code>\lblkbrbrak</code>    | LEFT BLACK TORTOISE SHELL BRACKET              |
| U+029D8 | ⋈              | <code>\lvzigzag</code>      | LEFT WIGGLY FENCE                              |
| U+029DA | ⋈              | <code>\Lvzigzag</code>      | LEFT DOUBLE WIGGLY FENCE                       |
| U+029FC | <              | <code>\lcurvyangle</code>   | LEFT POINTING CURVED ANGLE BRACKET             |
| U+03014 | ⌈              | <code>\lbrbrak</code>       | LEFT BROKEN BRACKET                            |
| U+03018 | ⌈              | <code>\Lbrbrak</code>       | LEFT WHITE TORTOISE SHELL BRACKET              |

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## 2 Closing symbols, `\mathclose`

| usv     | Ex. | Macro                       | Description                                     |
|---------|-----|-----------------------------|---|
| U+00029 | )   | <code>\rparen</code>        | RIGHT PARENTHESIS                               |
| U+0005D | ]   | <code>\rbrack</code>        | RIGHT SQUARE BRACKET                            |
| U+0007D | }   | <code>\rbrace</code>        | RIGHT CURLY BRACKET                             |
| U+02309 | ⌋   | <code>\rceil</code>         | RIGHT CEILING                                   |
| U+0230B | ⌋   | <code>\rfloor</code>        | RIGHT FLOOR                                     |
| U+0231D | ⌋   | <code>\urcorner</code>      | UPPER RIGHT CORNER                              |
| U+0231F | ⌋   | <code>\lrcorner</code>      | LOWER RIGHT CORNER                              |
| U+02773 | ⌋   | <code>\rbrbrak</code>       | LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT     |
| U+027C6 | ⌋   | <code>\rbag</code>          | RIGHT S-SHAPED BAG DELIMITER                    |
| U+027E7 | ⌋   | <code>\rBrack</code>        | MATHEMATICAL RIGHT WHITE SQUARE BRACKET         |
| U+027E9 | ⌋   | <code>\rangle</code>        | MATHEMATICAL RIGHT ANGLE BRACKET                |
| U+027EB | ⌋   | <code>\rangle</code>        | MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET         |
| U+027ED | ⌋   | <code>\Rbrbrak</code>       | MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET |
| U+02984 | ⌋   | <code>\rBrace</code>        | RIGHT WHITE CURLY BRACKET                       |
| U+02986 | )   | <code>\rParen</code>        | RIGHT WHITE PARENTHESIS                         |
| U+02988 | )   | <code>\rrparenthesis</code> | Z NOTATION RIGHT IMAGE BRACKET                  |
| U+0298A | )   | <code>\rrangle</code>       | Z NOTATION RIGHT BINDING BRACKET                |
| U+0298C | ⌋   | <code>\rbrackubar</code>    | RIGHT SQUARE BRACKET WITH UNDERBAR              |
| U+0298E | ⌋   | <code>\rbracklrtick</code>  | RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER |
| U+02990 | ⌋   | <code>\rbrackurtick</code>  | RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER    |
| U+02992 | ⌋   | <code>\rangle</code>        | RIGHT ANGLE BRACKET WITH DOT                    |
| U+02994 | ⌋   | <code>\rparengtr</code>     | RIGHT ARC GREATER-THAN BRACKET                  |
| U+02996 | ⌋   | <code>\rparenless</code>    | DOUBLE RIGHT ARC LESS-THAN BRACKET              |
| U+02998 | )   | <code>\rblbrbrak</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             |
| U+03015 | ⌋   | <code>\rbrbrak</code>       | RIGHT BROKEN BRACKET                            |
| U+03019 | ⌋   | <code>\Rbrbrak</code>       | RIGHT WHITE TORTOISE SHELL BRACKET              |

### 3 Fence symbols, `\mathfence`

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| USV     | Ex. | Macro               | Description                   |
|---------|-----|---------------------|-------------------------------|
| U+0007C |     | <code>\vert</code>  | VERTICAL BAR                  |
| U+02016 |     | <code>\Vert</code>  | DOUBLE VERTICAL BAR           |
| U+02980 |     | <code>\Vvert</code> | TRIPLE VERTICAL BAR DELIMITER |

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### 4 Punctuation symbols, `\mathpunct`

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| USV     | Ex. | Macro                   | Description      |
|---------|-----|-------------------------|------------------|
| U+00021 | !   | <code>\exclam</code>    | EXCLAMATION MARK |
| U+0002C | ,   | <code>\comma</code>     | COMMA            |
| U+0003A | :   | <code>\mathcolon</code> | COLON            |
| U+0003B | ;   | <code>\semicolon</code> | SEMICOLON P:     |

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## 5 Accents, `\mathaccent`

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

| usv     | Ex. | Macro                               | Description  |
|---------|-----|-------------------------------------|--|
| U+00300 | ̀   | <code>\grave</code>                 | GRAVE ACCENT   |
| U+00301 | ´   | <code>\acute</code>                 | ACUTE ACCENT   |
| U+00302 | ˆ   | <code>\hat</code>                   | CIRCUMFLEX ACCENT  |
| U+00303 | ˜   | <code>\tilde</code>                 | TILDE  |
| U+00304 | ¯   | <code>\bar</code>                   | MACRON   |
| U+00305 | ̄   | <code>\overbar</code>               | OVERBAR EMBELLISHMENT                                    |
| U+00306 | ˘   | <code>\breve</code>                 | BREVE  |
| U+00307 | ˙   | <code>\dot</code>                   | DOT ABOVE  |
| U+00308 | ¨   | <code>\ddot</code>                  | DIERESIS   |
| U+00309 | ̆   | <code>\ovhook</code>                | COMBINING HOOK ABOVE                                     |
| U+0030A | ∘   | <code>\ocirc</code>                 | RING   |
| U+0030C | ˇ   | <code>\check</code>                 | CARON  |
| U+00310 | ̣   | <code>\candra</code>                | CANDRABINDU (NON-SPACING)                                |
| U+00312 | ̂   | <code>\oturnedcomma</code>          | COMBINING TURNED COMMA ABOVE                             |
| U+00315 | ̇   | <code>\ocommatopright</code>        | COMBINING COMMA ABOVE RIGHT                              |
| U+0031A | ̸   | <code>\droang</code>                | LEFT ANGLE ABOVE (NON-SPACING)                           |
| U+00330 | ̵   | <code>\wideutilde</code>            | UNDER TILDE ACCENT (MULTIPLE CHARACTERS AND NON-SPACING) |
| U+00331 | ̶   | <code>\underbar</code>              | COMBINING MACRON BELOW                                   |
| U+00338 | ̸̣  | <code>\not</code>                   | COMBINING LONG SOLIDUS OVERLAY                           |
| U+020D0 | ̸̡  | <code>\leftharpoonaccent</code>     | COMBINING LEFT HARPOON ABOVE                             |
| U+020D1 | ̸̢  | <code>\rightharpoonaccent</code>    | COMBINING RIGHT HARPOON ABOVE                            |
| U+020D2 | ̸̣  | <code>\vertoverlay</code>           | COMBINING LONG VERTICAL LINE OVERLAY                     |
| U+020D6 | ̸̤  | <code>\overleftarrow</code>         | COMBINING LEFT ARROW ABOVE                               |
| U+020D7 | ̸̥  | <code>\vec</code>                   | COMBINING RIGHT ARROW ABOVE                              |
| U+020DB | ̸̦  | <code>\dddot</code>                 | COMBINING THREE DOTS ABOVE                               |
| U+020DC | ̸̧  | <code>\ddddot</code>                | COMBINING FOUR DOTS ABOVE                                |
| U+020E1 | ̸̨  | <code>\overleftrightharpoon</code>  | COMBINING LEFT RIGHT ARROW ABOVE                         |
| U+020E7 | ̸̩  | <code>\annuity</code>               | COMBINING ANNUITY SYMBOL                                 |
| U+020E8 | ̸̪  | <code>\threunderdot</code>          | COMBINING TRIPLE UNDERDOT                                |
| U+020E9 | ̸̫  | <code>\widebridgeabove</code>       | COMBINING WIDE BRIDGE ABOVE                              |
| U+020EC | ̸̬  | <code>\underrightharpoondown</code> | COMBINING RIGHTWARDS HARPOON WITH BARB DOWNWARDS         |
| U+020ED | ̸̭  | <code>\underleftharpoondown</code>  | COMBINING LEFTWARDS HARPOON WITH BARB DOWNWARDS          |
| U+020EE | ̸̮  | <code>\underleftarrow</code>        | COMBINING LEFT ARROW BELOW                               |
| U+020EF | ̸̯  | <code>\underrightarrow</code>       | COMBINING RIGHT ARROW BELOW                              |
| U+020F0 | ̸̰  | <code>\asteraccent</code>           | COMBINING ASTERISK ABOVE                                 |

## 6 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     | Ex.                   | Macro                          | Description                      |
|---------|-----------------------|--------------------------------|----------------------------------|
| U+02140 | $\sum_0^1$            | <code>\Bbbsum</code>           | DOUBLE-STRUCK N-ARY SUMMATION    |
| U+0220F | $\prod_0^1$           | <code>\prod</code>             | PRODUCT OPERATOR                 |
| U+02210 | $\coprod_0^1$         | <code>\coprod</code>           | COPRODUCT OPERATOR               |
| U+02211 | $\sum_0^1$            | <code>\sum</code>              | SUMMATION OPERATOR               |
| U+0222B | $\int_0^1$            | <code>\int</code>              | INTEGRAL OPERATOR                |
| U+0222C | $\iint_0^1$           | <code>\iint</code>             | DOUBLE INTEGRAL OPERATOR         |
| U+0222D | $\iiint_0^1$          | <code>\iiint</code>            | TRIPLE INTEGRAL OPERATOR         |
| U+0222E | $\oint_0^1$           | <code>\oint</code>             | CONTOUR INTEGRAL OPERATOR        |
| U+0222F | $\oiint_0^1$          | <code>\oiint</code>            | DOUBLE CONTOUR INTEGRAL OPERATOR |
| U+02230 | $\oiiint_0^1$         | <code>\oiiint</code>           | TRIPLE CONTOUR INTEGRAL OPERATOR |
| U+02231 | $\int_0^1$            | <code>\intclockwise</code>     | CLOCKWISE INTEGRAL               |
| U+02232 | $\oint_0^1$           | <code>\varointclockwise</code> | CONTOUR INTEGRAL, CLOCKWISE      |
| U+02233 | $\oint_0^1$           | <code>\ointctrlockwise</code>  | CONTOUR INTEGRAL, ANTICLOCKWISE  |
| U+022C0 | $\bigwedge_0^1$       | <code>\bigwedge</code>         | LOGICAL OR OPERATOR              |
| U+022C1 | $\bigvee_0^1$         | <code>\bigvee</code>           | LOGICAL AND OPERATOR             |
| U+022C2 | $\bigcap_0^1$         | <code>\bigcap</code>           | INTERSECTION OPERATOR            |
| U+022C3 | $\bigcup_0^1$         | <code>\bigcup</code>           | UNION OPERATOR                   |
| U+027D5 | $\left\lrcorner_0^1$  | <code>\leftouterjoin</code>    | LEFT OUTER JOIN                  |
| U+027D6 | $\right\lrcorner_0^1$ | <code>\rightouterjoin</code>   | RIGHT OUTER JOIN                 |

|         |                       |                             |                                    |
|---------|-----------------------|-----------------------------|------------------------------------|
| U+027D7 | $\overset{1}{\times}$ | <code>\fullouterjoin</code> | FULL OUTER JOIN                    |
| U+027D8 | $\underset{0}{\perp}$ | <code>\bigbot</code>        | LARGE UP TACK                      |
| U+027D9 | $\overset{1}{\top}$   | <code>\bigtop</code>        | LARGE DOWN TACK                    |
| U+029F8 | $\big/$               | <code>\xsol</code>          | BIG SOLIDUS                        |
| U+029F9 | $\big\backslash$      | <code>\xbsol</code>         | BIG REVERSE SOLIDUS                |
| U+02A00 | $\bigodot$            | <code>\bigodot</code>       | N-ARY CIRCLED DOT OPERATOR         |
| U+02A01 | $\bigoplus$           | <code>\bigoplus</code>      | N-ARY CIRCLED PLUS OPERATOR        |
| U+02A02 | $\bigotimes$          | <code>\bigotimes</code>     | N-ARY CIRCLED TIMES OPERATOR       |
| U+02A03 | $\bigcup\cdot$        | <code>\bigcupdot</code>     | N-ARY UNION OPERATOR WITH DOT      |
| U+02A04 | $\bigcup+$            | <code>\bigcupplus</code>    | N-ARY UNION OPERATOR WITH PLUS     |
| U+02A05 | $\bigcap$             | <code>\bigsqcap</code>      | N-ARY SQUARE INTERSECTION OPERATOR |
| U+02A06 | $\bigcup$             | <code>\bigsqcup</code>      | N-ARY SQUARE UNION OPERATOR        |
| U+02A07 | $\bigwedge$           | <code>\conjquant</code>     | TWO LOGICAL AND OPERATOR           |
| U+02A08 | $\bigvee$             | <code>\disjquant</code>     | TWO LOGICAL OR OPERATOR            |
| U+02A09 | $\bigtimes$           | <code>\bigtimes</code>      | N-ARY TIMES OPERATOR               |
| U+02A0B | $\int$                | <code>\sumint</code>        | SUMMATION WITH INTEGRAL            |
| U+02A0C | $\iiint$              | <code>\iiiint</code>        | QUADRUPLE INTEGRAL OPERATOR        |
| U+02A0D | $\int$                | <code>\intbar</code>        | FINITE PART INTEGRAL               |
| U+02A0E | $\int$                | <code>\intBar</code>        | INTEGRAL WITH DOUBLE STROKE        |
| U+02A0F | $\int$                | <code>\fint</code>          | INTEGRAL AVERAGE WITH SLASH        |

|         |   |                               |   |
|---------|---|-------------------------------|---|
| U+02A10 |    | <code>\cirfnint</code>        | CIRCULATION FUNCTION                                |
| U+02A11 |    | <code>\awint</code>           | ANTICLOCKWISE INTEGRATION                           |
| U+02A12 |    | <code>\rppointint</code>      | LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE  |
| U+02A13 |    | <code>\scpointint</code>      | LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE |
| U+02A14 |    | <code>\npointint</code>       | LINE INTEGRATION NOT INCLUDING THE POLE             |
| U+02A15 |    | <code>\pointint</code>        | INTEGRAL AROUND A POINT OPERATOR                    |
| U+02A16 |    | <code>\sqint</code>           | QUATERNION INTEGRAL OPERATOR                        |
| U+02A17 |    | <code>\intlarhk</code>        | INTEGRAL WITH LEFTWARDS ARROW WITH HOOK             |
| 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                            |



## 7 Binary relations, `\mathbin`

| USV     | Ex. | Macro                        | Description  |
|---------|-----|------------------------------|--|
| U+0002B | +   | <code>\plus</code>           | PLUS SIGN B:   |
| U+000B1 | ±   | <code>\pm</code>             | PLUS-OR-MINUS SIGN                                       |
| U+000B7 | ·   | <code>\cdot</code>           | /CENTERDOT B: MIDDLE DOT                                 |
| U+000D7 | ×   | <code>\times</code>          | MULTIPLY SIGN  |
| U+000F7 | ÷   | <code>\div</code>            | DIVIDE SIGN  |
| U+02020 | †   | <code>\dagger</code>         | DAGGER RELATION  |
| U+02021 | ‡   | <code>\ddagger</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</code>             | MINUS-OR-PLUS SIGN                                       |
| U+02214 | ⊕   | <code>\dotplus</code>        | PLUS SIGN, DOT ABOVE                                     |
| U+02215 | /   | <code>\divslash</code>       | DIVISION SLASH   |
| U+02216 | ∖   | <code>\smallsetminus</code>  | SMALL SET MINUS (CF. REVERSE SOLIDUS)                    |
| U+02217 | *   | <code>\ast</code>            | CENTERED ASTERISK  |
| U+02218 | ◦   | <code>\vysmwhtcircle</code>  | COMPOSITE FUNCTION (SMALL CIRCLE)                        |
| U+02219 | •   | <code>\vysmbllkcircle</code> | BULLET OPERATOR  |
| U+02227 | ∧   | <code>\wedge</code>          | /WEDGE /LAND B: LOGICAL AND                              |
| U+02228 | ∨   | <code>\vee</code>            | /VEE /LOR B: LOGICAL OR                                  |
| U+02229 | ∩   | <code>\cap</code>            | INTERSECTION   |
| U+0222A | ∪   | <code>\cup</code>            | UNION OR LOGICAL SUM                                     |
| U+02238 | ⊖   | <code>\dotminus</code>       | MINUS SIGN, DOT ABOVE                                    |
| U+0223E | ≈   | <code>\invlasyz</code>       | MOST POSITIVE [INVERTED LAZY S]                          |
| U+02240 | ⌘   | <code>\wr</code>             | WREATH PRODUCT   |
| U+0228C | ⊎   | <code>\cupleftarrow</code>   | MULTISET   |
| U+0228D | ∪   | <code>\cupdot</code>         | UNION, WITH DOT  |
| U+0228E | ⊎   | <code>\uplus</code>          | PLUS SIGN IN UNION                                       |
| U+02293 | ⊓   | <code>\sqcap</code>          | SQUARE INTERSECTION                                      |
| U+02294 | ⊔   | <code>\sqcup</code>          | SQUARE UNION   |
| U+02295 | ⊕   | <code>\oplus</code>          | PLUS SIGN IN CIRCLE                                      |
| U+02296 | ⊖   | <code>\ominus</code>         | MINUS SIGN IN CIRCLE                                     |
| U+02297 | ⊗   | <code>\otimes</code>         | MULTIPLY SIGN IN CIRCLE                                  |
| U+02298 | ⊘   | <code>\oslash</code>         | SOLIDUS IN CIRCLE  |
| U+02299 | ⊙   | <code>\odot</code>           | MIDDLE DOT IN CIRCLE                                     |
| U+0229A | ⊚   | <code>\circledcirc</code>    | SMALL CIRCLE IN CIRCLE                                   |
| U+0229B | ⊛   | <code>\circledast</code>     | ASTERISK IN CIRCLE                                       |
| U+0229C | ⊜   | <code>\circledequal</code>   | EQUAL IN CIRCLE  |
| U+0229D | ⊝   | <code>\circleddash</code>    | HYPHEN IN CIRCLE   |
| U+0229E | ⊞   | <code>\boxplus</code>        | PLUS SIGN IN BOX   |
| U+0229F | ⊟   | <code>\boxminus</code>       | MINUS SIGN IN BOX  |
| U+022A0 | ⊠   | <code>\boxtimes</code>       | MULTIPLY SIGN IN BOX                                     |
| U+022A1 | ⊡   | <code>\boxdot</code>         | /DOTSQUARE /BOXDOT B: SMALL DOT IN BOX                   |
| U+022BA | ⊎   | <code>\intercal</code>       | INTERCAL   |
| U+022BB | ∨   | <code>\veebar</code>         | LOGICAL OR, BAR BELOW (LARGE VEE); EXCLUSIVE DISJUNCTION |
| U+022BC | ∧   | <code>\barwedge</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</code>                    | SMALL MIDDLE DOT   |
| U+022C6 |  | <code>\star</code>                    | SMALL STAR, FILLED, LOW  |
| U+022C7 |  | <code>\divideontimes</code>           | DIVISION ON TIMES  |
| U+022C9 |  | <code>\ltimes</code>                  | TIMES SIGN, LEFT CLOSED  |
| U+022CA |  | <code>\rtimes</code>                  | TIMES SIGN, RIGHT CLOSED   |
| U+022CB |  | <code>\leftthreetimes</code>          | LEFT SEMIDIRECT PRODUCT  |
| U+022CC |  | <code>\rightthreetimes</code>         | RIGHT SEMIDIRECT PRODUCT   |
| U+022CE |  | <code>\curlyvee</code>                | CURLY LOGICAL OR   |
| U+022CF |  | <code>\curlywedge</code>              | CURLY LOGICAL AND  |
| U+022D2 |  | <code>\Cap</code>                     | /CAP /DOUBLECAP B: DOUBLE INTERSECTION   |
| U+022D3 |  | <code>\Cup</code>                     | /CUP /DOUBLECUP B: DOUBLE UNION  |
| U+02305 |  | <code>\varbarwedge</code>             | /BARWEDGE B: LOGICAL AND, BAR ABOVE [PROJECTIVE (BAR OVER SMALL WEDGE)]                      |
| U+02306 |  | <code>\vardoublebarwedge</code>       | /DOUBLEBARWEDGE B: LOGICAL AND, DOUBLE BAR ABOVE [PERSPECTIVE (DOUBLE BAR OVER SMALL WEDGE)] |
| U+0233D |  | <code>\obar</code>                    | CIRCLE WITH VERTICAL BAR   |
| U+025B3 |  | <code>\bigtriangleup</code>           | BIG UP TRIANGLE, OPEN  |
| U+025B7 |  | <code>\triangleright</code>           | (LARGE) RIGHT TRIANGLE, OPEN; Z NOTATION RANGE RESTRICTION                                   |
| U+025C1 |  | <code>\triangleleft</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+02982 |  | <code>\typecolon</code>               | Z NOTATION TYPE COLON  |
| 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   |
| 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>\mdlgbklozenge</code>           | BLACK LOZENGE  |
| U+029F5 |  | <code>\setminus</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                        |
| U+02A2A | ⦶ | <code>\minusdot</code>              | MINUS SIGN WITH DOT BELOW                          |
| U+02A2B | ⦶ | <code>\minusfdots</code>            | MINUS SIGN WITH FALLING DOTS                       |
| U+02A2C | ⦶ | <code>\minusrdots</code>            | MINUS SIGN WITH RISING DOTS                        |
| U+02A2D | ⦶ | <code>\opluslhrim</code>            | PLUS SIGN IN LEFT HALF CIRCLE                      |
| U+02A2E | ⦶ | <code>\oplusrhrim</code>            | PLUS SIGN IN RIGHT HALF CIRCLE                     |
| U+02A2F | ⦶ | <code>\vectimes</code>              | VECTOR OR CROSS PRODUCT                            |
| U+02A30 | ⦶ | <code>\dottimes</code>              | MULTIPLICATION SIGN WITH DOT ABOVE                 |
| U+02A31 | ⦶ | <code>\timesbar</code>              | MULTIPLICATION SIGN WITH UNDERBAR                  |
| U+02A32 | ⦶ | <code>\btimes</code>                | SEMIDIRECT PRODUCT WITH BOTTOM CLOSED              |
| U+02A33 | ⦶ | <code>\smashtimes</code>            | SMASH PRODUCT                                      |
| U+02A34 | ⦶ | <code>\otimeslhrim</code>           | MULTIPLICATION SIGN IN LEFT HALF CIRCLE            |
| U+02A35 | ⦶ | <code>\otimesrhrim</code>           | MULTIPLICATION SIGN IN RIGHT HALF CIRCLE           |
| U+02A36 | ⦶ | <code>\otimeshat</code>             | CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT |
| U+02A37 | ⦶ | <code>\otimes</code>                | MULTIPLICATION SIGN IN DOUBLE CIRCLE               |
| U+02A38 | ⦶ | <code>\odiv</code>                  | CIRCLED DIVISION SIGN                              |
| U+02A39 | ⦶ | <code>\triangleplus</code>          | PLUS SIGN IN TRIANGLE                              |
| U+02A3A | ⦶ | <code>\triangleminus</code>         | MINUS SIGN IN TRIANGLE                             |
| U+02A3B | ⦶ | <code>\triangletimes</code>         | MULTIPLICATION SIGN IN TRIANGLE                    |
| U+02A3C | ⦶ | <code>\intprod</code>               | INTERIOR PRODUCT                                   |
| U+02A3D | ⦶ | <code>\intprodr</code>              | RIGHTHAND INTERIOR PRODUCT                         |
| U+02A3E | ⦶ | <code>\fcmp</code>                  | Z NOTATION RELATIONAL COMPOSITION                  |
| U+02A3F | ⦶ | <code>\amalg</code>                 | AMALGAMATION OR COPRODUCT                          |
| U+02A40 | ⦶ | <code>\capdot</code>                | INTERSECTION WITH DOT                              |
| U+02A41 | ⦶ | <code>\uminus</code>                | UNION WITH MINUS SIGN                              |
| U+02A42 | ⦶ | <code>\barcup</code>                | UNION WITH OVERBAR                                 |
| U+02A43 | ⦶ | <code>\barcap</code>                | INTERSECTION WITH OVERBAR                          |
| U+02A44 | ⦶ | <code>\capwedge</code>              | INTERSECTION WITH LOGICAL AND                      |
| U+02A45 | ⦶ | <code>\cupvee</code>                | UNION WITH LOGICAL OR                              |
| U+02A46 | ⦶ | <code>\cupovercap</code>            | UNION ABOVE INTERSECTION                           |
| U+02A47 | ⦶ | <code>\capovercup</code>            | INTERSECTION ABOVE UNION                           |
| U+02A48 | ⦶ | <code>\cupbarcap</code>             | UNION ABOVE BAR ABOVE INTERSECTION                 |
| U+02A49 | ⦶ | <code>\capbarcup</code>             | INTERSECTION ABOVE BAR ABOVE UNION                 |
| U+02A4A | ⦶ | <code>\twocups</code>               | UNION BESIDE AND JOINED WITH UNION                 |
| U+02A4B | ⦶ | <code>\twocaps</code>               | INTERSECTION BESIDE AND JOINED WITH INTERSECTION   |
| U+02A4C | ⦶ | <code>\closedvarcup</code>          | CLOSED UNION WITH SERIFS                           |
| U+02A4D | ⦶ | <code>\closedvarcap</code>          | CLOSED INTERSECTION WITH SERIFS                    |
| U+02A4E | ⦶ | <code>\sqcup</code>                 | DOUBLE SQUARE INTERSECTION                         |
| U+02A4F | ⦶ | <code>\sqcup</code>                 | DOUBLE SQUARE UNION                                |
| U+02A50 | ⦶ | <code>\closedvarcupsmashprod</code> | CLOSED UNION WITH SERIFS AND SMASH PRODUCT         |
























|         |   |                              |  |
|---------|---|------------------------------|--|
| U+02A51 |    | <code>\wedgeodot</code>      | LOGICAL AND WITH DOT ABOVE                 |
| U+02A52 |    | <code>\veeodot</code>        | LOGICAL OR WITH DOT ABOVE                  |
| U+02A53 |    | <code>\Wedge</code>          | DOUBLE LOGICAL AND                         |
| U+02A54 |    | <code>\Vee</code>            | DOUBLE LOGICAL OR                          |
| U+02A55 |    | <code>\wedgeonwedge</code>   | TWO INTERSECTING LOGICAL AND               |
| U+02A56 |    | <code>\veeonvee</code>       | TWO INTERSECTING LOGICAL OR                |
| U+02A57 |    | <code>\bigslopedvee</code>   | SLOPING LARGE OR                           |
| U+02A58 |    | <code>\bigslopedwedge</code> | SLOPING LARGE AND                          |
| U+02A5A |    | <code>\wedgemidvert</code>   | LOGICAL AND WITH MIDDLE STEM               |
| U+02A5B |    | <code>\veemidvert</code>     | LOGICAL OR WITH MIDDLE STEM                |
| U+02A5C |    | <code>\midbarwedge</code>    | LOGICAL AND WITH HORIZONTAL DASH           |
| U+02A5D |    | <code>\midbarvee</code>      | LOGICAL OR WITH HORIZONTAL DASH            |
| U+02A5E |    | <code>\doublebarwedge</code> | LOGICAL AND WITH DOUBLE OVERBAR            |
| U+02A5F |    | <code>\wedgebar</code>       | LOGICAL AND WITH UNDERBAR                  |
| U+02A60 |    | <code>\wedgedoublebar</code> | LOGICAL AND WITH DOUBLE UNDERBAR           |
| U+02A61 |    | <code>\varveebar</code>      | SMALL VEE WITH UNDERBAR                    |
| U+02A62 |    | <code>\doublebarvee</code>   | LOGICAL OR WITH DOUBLE OVERBAR             |
| U+02A63 |    | <code>\veedoublebar</code>   | LOGICAL OR WITH DOUBLE UNDERBAR            |
| U+02A64 |    | <code>\dsub</code>           | Z NOTATION DOMAIN ANTIRESTRICTION          |
| U+02A65 |    | <code>\rsub</code>           | Z NOTATION RANGE ANTIRESTRICTION           |
| U+02A71 |    | <code>\eqqplus</code>        | EQUALS SIGN ABOVE PLUS SIGN                |
| U+02A72 |    | <code>\pluseqq</code>        | PLUS SIGN ABOVE EQUALS SIGN                |
| U+02AF4 |    | <code>\interleave</code>     | TRIPLE VERTICAL BAR BINARY RELATION        |
| U+02AF5 |   | <code>\nhVvert</code>        | TRIPLE VERTICAL BAR WITH HORIZONTAL STROKE |
| U+02AF6 |  | <code>\threedotcolon</code>  | TRIPLE COLON OPERATOR                      |
| U+02AFB |  | <code>\trslash</code>        | TRIPLE SOLIDUS BINARY RELATION             |
| U+02AFD |  | <code>\slash</code>          | DOUBLE SOLIDUS OPERATOR                    |
| U+02AFE |  | <code>\talloblong</code>     | WHITE VERTICAL BAR                         |















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## 8 Ordinary symbols, `\mathord`

| USV     | Ex.  | Macro                         | Description                                    |
|---------|------|-------------------------------|--|
| U+00023 | #    | <code>\octothorpe</code>      | NUMBER SIGN                                    |
| U+00024 | \$   | <code>\mathdollar</code>      | DOLLAR SIGN                                    |
| U+00025 | %    | <code>\percent</code>         | PERCENT SIGN                                   |
| U+00026 | &    | <code>\ampersand</code>       | AMPERSAND                                      |
| U+0002F | /    | <code>\mathslash</code>       | SOLIDUS  |
| U+0003F | ?    | <code>\question</code>        | QUESTION MARK                                  |
| U+00040 | @    | <code>\atsign</code>          | COMMERCIAL AT                                  |
| U+0005C | \    | <code>\backslash</code>       | REVERSE SOLIDUS                                |
| U+000A3 | £    | <code>\sterling</code>        | POUND SIGN                                     |
| U+000A5 | ¥    | <code>\yen</code>             | YEN SIGN                                       |
| U+000AC | ¬    | <code>\neg</code>             | /NEG /LNOT NOT SIGN                            |
| U+001B5 | Z̄   | <code>\Zbar</code>            | IMPEDANCE (LATIN CAPITAL LETTER Z WITH STROKE) |
| U+003D8 | Ϟ    | <code>\upoldKoppa</code>      | GREEK LETTER ARCHAIC KOPPA                     |
| U+003D9 | ϟ    | <code>\upoldkoppa</code>      | GREEK SMALL LETTER ARCHAIC KOPPA               |
| U+003F6 | ϵ̂   | <code>\upbackepsilon</code>   | GREEK REVERSED LUNATE EPSILON SYMBOL           |
| U+02015 | —    | <code>\horizbar</code>        | HORIZONTAL BAR                                 |
| U+02017 | =    | <code>\twolowline</code>      | DOUBLE LOW LINE (SPACING)                      |
| U+02025 | ..   | <code>\enleadertwodots</code> | DOUBLE BASELINE DOT (EN LEADER)                |
| U+02026 | ...  | <code>\unicodeellipsis</code> | ELLIPSIS (HORIZONTAL)                          |
| U+02032 | '    | <code>\prime</code>           | PRIME OR MINUTE, NOT SUPERSCRIPED              |
| U+02033 | ''   | <code>\dprime</code>          | DOUBLE PRIME OR SECOND, NOT SUPERSCRIPED       |
| U+02034 | '''  | <code>\trprime</code>         | TRIPLE PRIME (NOT SUPERSCRIPED)                |
| U+02035 | '    | <code>\backprime</code>       | REVERSE PRIME, NOT SUPERSCRIPED                |
| U+02036 | ''   | <code>\backdprime</code>      | DOUBLE REVERSE PRIME, NOT SUPERSCRIPED         |
| U+02037 | '''  | <code>\backtrprime</code>     | TRIPLE REVERSE PRIME, NOT SUPERSCRIPED         |
| U+02038 | ^    | <code>\caretinsert</code>     | CARET (INSERTION MARK)                         |
| U+0203C | !!   | <code>\Exclam</code>          | DOUBLE EXCLAMATION MARK                        |
| U+02043 | ▪    | <code>\hyphenbullet</code>    | RECTANGLE, FILLED (HYPHEN BULLET)              |
| U+02047 | ??   | <code>\Question</code>        | DOUBLE QUESTION MARK                           |
| U+02057 | '''' | <code>\qprime</code>          | QUADRUPLE PRIME, NOT SUPERSCRIPED              |
| U+020AC | €    | <code>\euro</code>            | EURO SIGN                                      |
| U+020DD | ○    | <code>\enclosecircle</code>   | COMBINING ENCLOSING CIRCLE                     |
| U+020DE | ◻    | <code>\enclosesquare</code>   | COMBINING ENCLOSING SQUARE                     |
| U+020DF | ◊    | <code>\enclosediamond</code>  | COMBINING ENCLOSING DIAMOND                    |
| U+020E4 | △    | <code>\enclosetriangle</code> | COMBINING ENCLOSING UPWARD POINTING TRIANGLE   |
| U+02107 | ℰ    | <code>\Eulerconst</code>      | EULER CONSTANT                                 |
| U+0210E | ℏ    | <code>\Planckconst</code>     | PLANCK CONSTANT                                |
| U+02127 | ℧    | <code>\mho</code>             | CONDUCTANCE                                    |
| U+02132 | ƒ    | <code>\Finv</code>            | TURNED CAPITAL F                               |
| U+0213C | ϰ    | <code>\Bbbpi</code>           | DOUBLE-STRUCK SMALL PI                         |
| U+02141 | Ɔ    | <code>\Game</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 | ℳ    | <code>\mitBbbD</code>         | DOUBLE-STRUCK ITALIC CAPITAL D                 |
| U+02146 | ℴ    | <code>\mitBbbd</code>         | DOUBLE-STRUCK ITALIC SMALL D                   |
| U+02147 | ℴ    | <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                                 |
| U+021E1 |  | <code>\updasharrow</code>               | UPWARDS DASHED ARROW                                   |
| U+021E2 |  | <code>\rightdasharrow</code>            | RIGHTWARDS DASHED ARROW                                |
| U+021E3 |  | <code>\downdasharrow</code>             | DOWNWARDS DASHED ARROW                                 |
| U+021E6 |  | <code>\leftwhitearrow</code>            | LEFTWARDS WHITE ARROW                                  |
| U+021E7 |  | <code>\upwhitearrow</code>              | UPWARDS WHITE ARROW                                    |
| U+021E8 |  | <code>\rightwhitearrow</code>           | RIGHTWARDS WHITE ARROW                                 |
| U+021E9 |  | <code>\downwhitearrow</code>            | DOWNWARDS WHITE ARROW                                  |
| U+021EA |  | <code>\whitearrowupfrombar</code>       | UPWARDS WHITE ARROW FROM BAR                           |
| U+02200 |  | <code>\forall</code>                    | FOR ALL  |
| U+02201 |  | <code>\complement</code>                | COMPLEMENT SIGN  |
| U+02202 |  | <code>\partial</code>                   | PARTIAL DIFFERENTIAL                                   |
| U+02203 |  | <code>\exists</code>                    | AT LEAST ONE EXISTS                                    |
| U+02204 |  | <code>\nexists</code>                   | NEGATED EXISTS   |
| U+02205 |  | <code>\varnothing</code>                | CIRCLE, SLASH  |
| U+02206 |  | <code>\increment</code>                 | LAPLACIAN (DELTA; $\nabla^2$ )                         |
| U+02207 |  | <code>\nabla</code>                     | NABLA, DEL, HAMILTON OPERATOR                          |
| U+0220E |  | <code>\QED</code>                       | END OF PROOF   |
| U+0221E |  | <code>\infty</code>                     | INFINITY   |
| U+0221F |  | <code>\rightangle</code>                | RIGHT (90 DEGREE) ANGLE                                |
| U+02220 |  | <code>\angle</code>                     | ANGLE  |
| U+02221 |  | <code>\measuredangle</code>             | ANGLE-MEASURED   |
| U+02222 |  | <code>\sphericalangle</code>            | ANGLE-SPHERICAL  |
| U+02234 |  | <code>\therefore</code>                 | THEREFORE  |
| U+02235 |  | <code>\because</code>                   | BECAUSE  |
| U+0223F |  | <code>\sinewave</code>                  | SINE WAVE  |
| U+022A4 |  | <code>\top</code>                       | TOP  |
| U+022A5 |  | <code>\bot</code>                       | BOTTOM   |
| U+022B9 |  | <code>\hermitmatrix</code>              | HERMITIAN CONJUGATE MATRIX                             |
| U+022BE |  | <code>\measuredrightangle</code>        | RIGHT ANGLE-MEASURED [WITH ARC]                        |
| U+022BF |  | <code>\varlrtriangle</code>             | RIGHT TRIANGLE   |
| U+022EF |  | <code>\unicodcdots</code>               | THREE DOTS, CENTERED                                   |
| U+02300 |  | <code>\diameter</code>                  | DIAMETER SIGN  |
| U+02302 |  | <code>\house</code>                     | HOUSE  |
| U+02310 |  | <code>\invnot</code>                    | REVERSE NOT  |
| U+02311 |  | <code>\sqlozenge</code>                 | SQUARE LOZENGE   |
| U+02312 |  | <code>\proflines</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>                 | TURNE 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   |
| U+02340 |    | <code>\APLnotbackslash</code>       | APL FUNCTIONAL SYMBOL BACKSLASH BAR                        |
| U+02353 |    | <code>\APLboxupcaret</code>         | BOXED UP CARET   |
| U+02370 |    | <code>\APLboxquestion</code>        | BOXED QUESTION MARK  |
| U+0237C |    | <code>\rangledownzigzagarrow</code> | RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW                    |
| U+02394 |    | <code>\hexagon</code>               | HORIZONTAL BENZENE RING [HEXAGON FLAT OPEN]                |
| U+0239B |    | <code>\lparenuend</code>            | LEFT PARENTHESIS UPPER HOOK                                |
| U+0239C |    | <code>\lparenxtender</code>         | LEFT PARENTHESIS EXTENSION                                 |
| U+0239D |    | <code>\lparenlend</code>            | LEFT PARENTHESIS LOWER HOOK                                |
| U+0239E |    | <code>\rparenuend</code>            | RIGHT PARENTHESIS UPPER HOOK                               |
| U+0239F |    | <code>\rparenxtender</code>         | RIGHT PARENTHESIS EXTENSION                                |
| U+023A0 |    | <code>\rparenlend</code>            | RIGHT PARENTHESIS LOWER HOOK                               |
| U+023A1 |    | <code>\lbrackuend</code>            | LEFT SQUARE BRACKET UPPER CORNER                           |
| U+023A2 |    | <code>\lbrackxtender</code>         | LEFT SQUARE BRACKET EXTENSION                              |
| U+023A3 |   | <code>\lbracklend</code>            | LEFT SQUARE BRACKET LOWER CORNER                           |
| U+023A4 |  | <code>\rbrackuend</code>            | RIGHT SQUARE BRACKET UPPER CORNER                          |
| U+023A5 |  | <code>\rbrackxtender</code>         | RIGHT SQUARE BRACKET EXTENSION                             |
| U+023A6 |  | <code>\rbracklend</code>            | RIGHT SQUARE BRACKET LOWER CORNER                          |
| U+023A7 |  | <code>\lbraceuend</code>            | LEFT CURLY BRACKET UPPER HOOK                              |
| U+023A8 |  | <code>\lbracemid</code>             | LEFT CURLY BRACKET MIDDLE PIECE                            |
| U+023A9 |  | <code>\lbracelend</code>            | LEFT CURLY BRACKET LOWER HOOK                              |
| U+023AA |  | <code>\vbracextender</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>\intxtender</code>            | INTEGRAL EXTENSION   |
| U+023AF |  | <code>\harrowxtender</code>         | HORIZONTAL LINE EXTENSION (USED TO EXTEND ARROWS)          |
| U+023B0 |  | <code>\lmoustache</code>            | UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION            |
| U+023B1 |  | <code>\rmoustache</code>            | UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION            |
| U+023B2 |  | <code>\sumtop</code>                | SUMMATION TOP  |
| U+023B3 |  | <code>\sumbottom</code>             | SUMMATION BOTTOM   |
| U+023B6 |  | <code>\bbrktbrk</code>              | BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET              |
| U+023B7 |  | <code>\sqrtbottom</code>            | RADICAL SYMBOL BOTTOM                                      |
| U+023B8 |  | <code>\lvboxline</code>             | LEFT VERTICAL BOX LINE                                     |
| U+023B9 |  | <code>\rvboxline</code>             | RIGHT VERTICAL BOX LINE                                    |
| U+023CE |  | <code>\varcarriagereturn</code>     | RETURN SYMBOL  |
| U+023E0 |  | <code>\obrbrak</code>               | TOP TORTOISE SHELL BRACKET (MATHEMATICAL USE)              |
| U+023E1 |  | <code>\ubrbrak</code>               | BOTTOM TORTOISE SHELL BRACKET (MATHEMATICAL USE)           |
| U+023E2 |  | <code>\trapezium</code>             | WHITE TRAPEZIUM  |
| U+023E3 |  | <code>\benzenr</code>               | BENZENE RING WITH CIRCLE                                   |
| U+023E4 |  | <code>\strns</code>                 | STRAIGHTNESS   |
| U+023E5 |  | <code>\fltns</code>                 | FLATNESS   |

|         |   |                                       |  |
|---------|---|---------------------------------------|--|
| U+023E6 |    | <code>\accurrent</code>               | AC CURRENT                                   |
| U+023E7 |    | <code>\elinters</code>                | ELECTRICAL INTERSECTION                      |
| U+02506 |    | <code>\bdtriplevdash</code>           | DOUBLY BROKEN VERT                           |
| U+02580 |    | <code>\blockuphalf</code>             | UPPER HALF BLOCK                             |
| U+02584 |    | <code>\blocklowhalf</code>            | LOWER HALF BLOCK                             |
| U+02588 |    | <code>\blockfull</code>               | FULL BLOCK                                   |
| U+0258C |    | <code>\blocklefthalf</code>           | LEFT HALF BLOCK                              |
| U+02590 |    | <code>\blockrighthalf</code>          | RIGHT HALF BLOCK                             |
| U+02591 |    | <code>\blockqtrshaded</code>          | 25% SHADED BLOCK                             |
| U+02592 |    | <code>\blockhalfshaded</code>         | 50% SHADED BLOCK                             |
| U+02593 |    | <code>\blockthreeqtrshaded</code>     | 75% SHADED BLOCK                             |
| U+025A0 |    | <code>\mdlgbklsquare</code>           | SQUARE, FILLED                               |
| U+025A1 |    | <code>\mdlgwhtsquare</code>           | SQUARE, OPEN                                 |
| U+025A2 |    | <code>\squoval</code>                 | WHITE SQUARE WITH ROUNDED CORNERS            |
| U+025A3 |    | <code>\blackinwhitesquare</code>      | WHITE SQUARE CONTAINING BLACK SMALL SQUARE   |
| U+025A4 |    | <code>\squarehfill</code>             | SQUARE, HORIZONTAL RULE FILLED               |
| U+025A5 |    | <code>\squarevfill</code>             | SQUARE, VERTICAL RULE FILLED                 |
| U+025A6 |    | <code>\squarehvfill</code>            | SQUARE WITH ORTHOGONAL CROSSHATCH FILL       |
| U+025A7 |    | <code>\squarenwsefill</code>          | SQUARE, NW-TO-SE RULE FILLED                 |
| U+025A8 |    | <code>\squareneswfill</code>          | SQUARE, NE-TO-SW RULE FILLED                 |
| U+025A9 |    | <code>\squarecrossfill</code>         | SQUARE WITH DIAGONAL CROSSHATCH FILL         |
| U+025AA |    | <code>\smbklsquare</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>      | OX25B2 6 6D BLACK UP-POINTING TRIANGLE       |
| U+025B4 |  | <code>\blacktriangle</code>           | UP TRIANGLE, FILLED                          |
| U+025B6 |  | <code>\blacktriangleright</code>      | (LARGE) RIGHT TRIANGLE, FILLED               |
| U+025B8 |  | <code>\smallblacktriangleright</code> | RIGHT TRIANGLE, FILLED                       |
| U+025B9 |  | <code>\smalltriangleright</code>      | RIGHT TRIANGLE, OPEN                         |
| 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</code>         | BIG DOWN TRIANGLE, OPEN                      |
| U+025BE |  | <code>\blacktriangledown</code>       | DOWN TRIANGLE, FILLED                        |
| U+025BF |  | <code>\triangledown</code>            | DOWN TRIANGLE, OPEN                          |
| U+025C0 |  | <code>\blacktriangleleft</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>\mdlgbkldiamond</code>          | BLACK DIAMOND                                |
| U+025C7 |  | <code>\mdlgwhtdiamond</code>          | WHITE DIAMOND; DIAMOND, OPEN                 |
| U+025C8 |  | <code>\blackinwhitediamond</code>     | WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND |
| U+025C9 |  | <code>\fisheye</code>                 | FISHEYE                                      |
| U+025CA |  | <code>\mdlgwhtlozenge</code>          | LOZENGE OR TOTAL MARK                        |
| U+025CC |  | <code>\dottedcircle</code>            | DOTTED CIRCLE                                |
















|         |  |                                       |   |
|---------|--|---------------------------------------|---|
| U+025CD |  | <code>\circlevertfill</code>          | CIRCLE WITH VERTICAL FILL                     |
| U+025CE |  | <code>\bullseye</code>                | BULLSEYE                                      |
| U+025CF |  | <code>\mdlgblkcircle</code>           | CIRCLE, FILLED                                |
| U+025D0 |  | <code>\circlelefthalfblack</code>     | CIRCLE, FILLED LEFT HALF [HARVEY BALL]        |
| U+025D1 |  | <code>\circlerighthalfblack</code>    | CIRCLE, FILLED RIGHT HALF                     |
| U+025D2 |  | <code>\circlebottomhalfblack</code>   | CIRCLE, FILLED BOTTOM HALF                    |
| U+025D3 |  | <code>\cirtetophalfblack</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                                  |
| 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                           |
| U+025FB |  | <code>\mdwhtsquare</code>             | WHITE MEDIUM SQUARE                           |
| U+025FC |  | <code>\mdblksquare</code>             | BLACK MEDIUM SQUARE                           |
| U+025FD |  | <code>\mdsmwhtsquare</code>           | WHITE MEDIUM SMALL SQUARE                     |
| U+025FE |  | <code>\mdsmbksquare</code>            | BLACK MEDIUM SMALL SQUARE                     |
| U+025FF |  | <code>\lrtriangle</code>              | LOWER RIGHT TRIANGLE                          |
| U+02605 |  | <code>\bigstar</code>                 | STAR, FILLED                                  |
| U+02606 |  | <code>\bigwhitestar</code>            | STAR, OPEN                                    |

|         |   |                                    |  |
|---------|---|------------------------------------|--|
| U+02609 |    | <code>\astrosun</code>             | SUN  |
| U+02621 |    | <code>\danger</code>               | DANGEROUS BEND (CAUTION SIGN)                  |
| U+0263B |    | <code>\blacksmiley</code>          | BLACK SMILING FACE                             |
| U+0263C |    | <code>\sun</code>                  | WHITE SUN WITH RAYS                            |
| U+0263D |    | <code>\rightmoon</code>            | FIRST QUARTER MOON                             |
| U+0263E |    | <code>\leftmoon</code>             | LAST QUARTER MOON                              |
| U+02640 |    | <code>\female</code>               | VENUS, FEMALE                                  |
| U+02642 |    | <code>\male</code>                 | MARS, MALE                                     |
| U+02660 |    | <code>\spadesuit</code>            | SPADES SUIT SYMBOL                             |
| U+02661 |    | <code>\heartsuit</code>            | HEART SUIT SYMBOL                              |
| U+02662 |    | <code>\diamondsuit</code>          | DIAMOND SUIT SYMBOL                            |
| U+02663 |    | <code>\clubsuit</code>             | CLUB SUIT SYMBOL                               |
| U+02664 |    | <code>\varspadesuit</code>         | SPADE, WHITE (CARD SUIT)                       |
| U+02665 |    | <code>\varheartsuit</code>         | FILLED HEART (CARD SUIT)                       |
| U+02666 |    | <code>\vardiamondsuit</code>       | FILLED DIAMOND (CARD SUIT)                     |
| U+02667 |    | <code>\varclubsuit</code>          | CLUB, WHITE (CARD SUIT)                        |
| U+02669 |    | <code>\quarternote</code>          | MUSIC NOTE (SUNG TEXT SIGN)                    |
| U+0266A |    | <code>\eighthnote</code>           | EIGHTH NOTE                                    |
| U+0266B |    | <code>\twonotes</code>             | BEAMED EIGHTH NOTES                            |
| U+0266D |    | <code>\flat</code>                 | MUSICAL FLAT                                   |
| U+0266E |    | <code>\natural</code>              | MUSIC NATURAL                                  |
| U+0266F |    | <code>\sharp</code>                | MUSICAL SHARP                                  |
| U+0267E |   | <code>\acidfree</code>             | PERMANENT PAPER SIGN                           |
| U+02680 |  | <code>\dicei</code>                | DIE FACE-1                                     |
| U+02681 |  | <code>\diceii</code>               | DIE FACE-2                                     |
| U+02682 |  | <code>\diceiii</code>              | DIE FACE-3                                     |
| U+02683 |  | <code>\diceiv</code>               | DIE FACE-4                                     |
| U+02684 |  | <code>\dicev</code>                | DIE FACE-5                                     |
| U+02685 |  | <code>\dicevi</code>               | DIE FACE-6                                     |
| U+02686 |  | <code>\circledrightdot</code>      | WHITE CIRCLE WITH DOT RIGHT                    |
| U+02687 |  | <code>\circledtwodots</code>       | WHITE CIRCLE WITH TWO DOTS                     |
| U+02688 |  | <code>\blackcircledrightdot</code> | BLACK CIRCLE WITH WHITE DOT RIGHT              |
| U+02689 |  | <code>\blackcircledtwodots</code>  | BLACK CIRCLE WITH TWO WHITE DOTS               |
| U+026A5 |  | <code>\Hermaphrodite</code>        | MALE AND FEMALE SIGN                           |
| U+026AA |  | <code>\mdwhtcircle</code>          | MEDIUM WHITE CIRCLE                            |
| U+026AB |  | <code>\mdblkcircle</code>          | MEDIUM BLACK CIRCLE                            |
| U+026AC |  | <code>\mdsmwhtcircle</code>        | MEDIUM SMALL WHITE CIRCLE                      |
| U+026B2 |  | <code>\neuter</code>               | NEUTER   |
| U+02713 |  | <code>\checkmark</code>            | TICK, CHECK MARK                               |
| U+02720 |  | <code>\maltese</code>              | MALTESE CROSS                                  |
| U+0272A |  | <code>\circledstar</code>          | CIRCLED WHITE STAR                             |
| U+02736 |  | <code>\varstar</code>              | SIX POINTED BLACK STAR                         |
| U+0273D |  | <code>\dingasterisk</code>         | HEAVY TEARDROP-SPOKED ASTERISK                 |
| U+0279B |  | <code>\draftingarrow</code>        | RIGHT ARROW WITH BOLD HEAD (DRAFTING)          |
| U+027C0 |  | <code>\threedangle</code>          | THREE DIMENSIONAL ANGLE                        |
| U+027C1 |  | <code>\whiteinwhitetriangle</code> | WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE |
| U+027C3 |  | <code>\subsetcirc</code>           | OPEN SUBSET                                    |
| U+027C4 |  | <code>\supsetcirc</code>           | OPEN SUPERSET                                  |
| U+027D0 |  | <code>\diamondcdot</code>          | WHITE DIAMOND WITH CENTRED DOT                 |
| U+0292B |  | <code>\rdiagovfdiag</code>         | RISING DIAGONAL CROSSING FALLING DIAGONAL      |
| U+0292C |  | <code>\fdiagovrdiag</code>         | FALLING DIAGONAL CROSSING RISING DIAGONAL      |
| U+0292D |  | <code>\seovnearrow</code>          | SOUTH EAST ARROW CROSSING NORTH EAST ARROW     |

|         |   |                                    |   |
|---------|---|------------------------------------|---|
| U+0292E |    | <code>\neovsearrow</code>          | NORTH EAST ARROW CROSSING SOUTH EAST ARROW                            |
| U+0292F |    | <code>\fdiagovnearrow</code>       | FALLING DIAGONAL CROSSING NORTH EAST ARROW                            |
| U+02930 |    | <code>\rdiagovsearrow</code>       | RISING DIAGONAL CROSSING SOUTH EAST ARROW                             |
| U+02931 |    | <code>\neovnwarrow</code>          | NORTH EAST ARROW CROSSING NORTH WEST ARROW                            |
| 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>\rightangledot</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    |
| U+029A9 |  | <code>\measanglelutronw</code>     | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT     |
| U+029AA |  | <code>\measanglerdtose</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT  |
| U+029AB |  | <code>\measangleldtosw</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT   |
| U+029AC |  | <code>\measangleurtone</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP    |
| U+029AD |  | <code>\measangleultonw</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP     |
| U+029AE |  | <code>\measangledrtose</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN  |
| U+029AF |  | <code>\measangledltosw</code>      | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN   |
| U+029B0 |  | <code>\reemptyset</code>           | REVERSED EMPTY SET  |
| U+029B1 |  | <code>\emptysetobar</code>         | EMPTY SET WITH OVERBAR  |
| U+029B2 |  | <code>\emptysetocirc</code>        | EMPTY SET WITH SMALL CIRCLE ABOVE                                     |
| U+029B3 |  | <code>\emptysetoarr</code>         | EMPTY SET WITH RIGHT ARROW ABOVE                                      |
| U+029B4 |  | <code>\emptysetoarrl</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>\uparrowwocircle</code>      | UP ARROW THROUGH CIRCLE   |
| U+029BE |  | <code>\circledwhitebullet</code>   | CIRCLED WHITE BULLET  |
| U+029BF |  | <code>\circledbullet</code>        | CIRCLED BULLET  |
| U+029C2 |  | <code>\cirscir</code>              | CIRCLE WITH SMALL CIRCLE TO THE RIGHT                                 |
| U+029C3 |  | <code>\cirE</code>                 | CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT                       |
| U+029C9 |  | <code>\boxonbox</code>             | TWO JOINED SQUARES  |
| U+029CA |  | <code>\triangleodot</code>         | TRIANGLE WITH DOT ABOVE   |
| U+029CB |  | <code>\triangleubar</code>         | TRIANGLE WITH UNDERBAR  |
| U+029CC |  | <code>\triangles</code>            | S IN TRIANGLE   |
| U+029DC |  | <code>\iinfin</code>               | INCOMPLETE INFINITY   |

|         |   |                                      |  |
|---------|---|--------------------------------------|--|
| U+029DD |    | <code>\tieinfty</code>               | TIE OVER INFINITY                            |
| U+029DE |    | <code>\nvinfty</code>                | INFINITY NEGATED WITH VERTICAL BAR           |
| U+029E0 |    | <code>\laplac</code>                 | SQUARE WITH CONTOURED OUTLINE                |
| U+029E7 |    | <code>\thermod</code>                | THERMODYNAMIC                                |
| U+029E8 |    | <code>\downtriangleleftblack</code>  | DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK  |
| U+029E9 |    | <code>\downtrianglerightblack</code> | DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK |
| U+029EA |    | <code>\blackdiamonddownarrow</code>  | BLACK DIAMOND WITH DOWN ARROW                |
| U+029EC |    | <code>\circledownarrow</code>        | WHITE CIRCLE WITH DOWN ARROW                 |
| U+029ED |    | <code>\blackcircledownarrow</code>   | BLACK CIRCLE WITH DOWN ARROW                 |
| U+029EE |    | <code>\errbarsquare</code>           | ERROR-BARRED WHITE SQUARE                    |
| U+029EF |    | <code>\errbarblacksquare</code>      | ERROR-BARRED BLACK SQUARE                    |
| U+029F0 |    | <code>\errbardiamond</code>          | ERROR-BARRED WHITE DIAMOND                   |
| U+029F1 |    | <code>\errbarblackdiamond</code>     | ERROR-BARRED BLACK DIAMOND                   |
| U+029F2 |    | <code>\errbarcircle</code>           | ERROR-BARRED WHITE CIRCLE                    |
| U+029F3 |    | <code>\errbarblackcircle</code>      | ERROR-BARRED BLACK CIRCLE                    |
| U+02A0A |    | <code>\modtwosum</code>              | MODULO TWO SUM                               |
| U+02AE1 |    | <code>\perps</code>                  | PERPENDICULAR WITH S                         |
| U+02AF1 |    | <code>\topcir</code>                 | DOWN TACK WITH CIRCLE BELOW                  |
| U+02B12 |    | <code>\squaretopblack</code>         | SQUARE WITH TOP HALF BLACK                   |
| U+02B13 |    | <code>\squarebotblack</code>         | SQUARE WITH BOTTOM HALF BLACK                |
| U+02B14 |    | <code>\squareurblack</code>          | SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK  |
| U+02B15 |    | <code>\squarellblack</code>          | SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK   |
| U+02B16 |    | <code>\diamondleftblack</code>       | DIAMOND WITH LEFT HALF BLACK                 |
| U+02B17 |    | <code>\diamondrightblack</code>      | DIAMOND WITH RIGHT HALF BLACK                |
| U+02B18 |   | <code>\diamondtopblack</code>        | DIAMOND WITH TOP HALF BLACK                  |
| U+02B19 |  | <code>\diamondbotblack</code>        | DIAMOND WITH BOTTOM HALF BLACK               |
| U+02B1A |  | <code>\dottedsquare</code>           | DOTTED SQUARE                                |
| U+02B1B |  | <code>\lgblksquare</code>            | BLACK LARGE SQUARE                           |
| U+02B1C |  | <code>\lgwhtsquare</code>            | WHITE LARGE SQUARE                           |
| U+02B1D |  | <code>\vysmblksquare</code>          | BLACK VERY SMALL SQUARE                      |
| U+02B1E |  | <code>\vysmwhtsquare</code>          | WHITE VERY SMALL SQUARE                      |
| U+02B1F |  | <code>\pentagonblack</code>          | BLACK PENTAGON                               |
| U+02B20 |  | <code>\pentagon</code>               | WHITE PENTAGON                               |
| U+02B21 |  | <code>\varhexagon</code>             | WHITE HEXAGON                                |
| U+02B22 |  | <code>\varhexagonblack</code>        | BLACK HEXAGON                                |
| U+02B23 |  | <code>\hexagonblack</code>           | HORIZONTAL BLACK HEXAGON                     |
| U+02B24 |  | <code>\lgblkcircle</code>            | BLACK LARGE CIRCLE                           |
| U+02B25 |  | <code>\mdblkdiamond</code>           | BLACK MEDIUM DIAMOND                         |
| U+02B26 |  | <code>\mdwhtdiamond</code>           | WHITE MEDIUM DIAMOND                         |
| U+02B27 |  | <code>\mdblklzenge</code>            | BLACK MEDIUM LOZENGE                         |
| U+02B28 |  | <code>\mdwhtlozenge</code>           | WHITE MEDIUM LOZENGE                         |
| U+02B29 |  | <code>\smbldiamond</code>            | BLACK SMALL DIAMOND                          |
| U+02B2A |  | <code>\smbklzenge</code>             | BLACK SMALL LOZENGE                          |
| U+02B2B |  | <code>\smwhtlozenge</code>           | WHITE SMALL LOZENGE                          |
| U+02B2C |  | <code>\blkhorzoval</code>            | BLACK HORIZONTAL ELLIPSE                     |
| U+02B2D |  | <code>\whthorzoval</code>            | WHITE HORIZONTAL ELLIPSE                     |
| U+02B2E |  | <code>\blkvertoval</code>            | BLACK VERTICAL ELLIPSE                       |
| U+02B2F |  | <code>\whtvertoval</code>            | WHITE VERTICAL ELLIPSE                       |
| U+02B50 |  | <code>\medwhitestar</code>           | WHITE MEDIUM STAR                            |
| U+02B51 |  | <code>\medblackstar</code>           | BLACK MEDIUM STAR                            |
| U+02B52 |  | <code>\smwhitestar</code>            | WHITE SMALL STAR                             |
| U+02B53 |  | <code>\rightpentagonblack</code>     | BLACK RIGHT-POINTING PENTAGON                |































|         |   |                                |  |
|---------|---|--------------------------------|--|
| U+02B54 |  | <code>\rightpentagon</code>    | WHITE RIGHT-POINTING PENTAGON                            |
| U+03012 |  | <code>\postalmark</code>       | POSTAL MARK  |
| U+03030 |  | <code>\hzigzag</code>          | ZIGZAG   |
| U+1D6C1 |  | <code>\mbfnabla</code>         | MATHEMATICAL BOLD NABLA                                  |
| U+1D6DB |  | <code>\mbfpartial</code>       | MATHEMATICAL BOLD PARTIAL DIFFERENTIAL                   |
| U+1D6FB |  | <code>\mitnabla</code>         | MATHEMATICAL ITALIC NABLA                                |
| U+1D715 |  | <code>\mitpartial</code>       | MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL                 |
| U+1D735 |  | <code>\mbfitnabla</code>       | MATHEMATICAL BOLD ITALIC NABLA                           |
| U+1D74F |  | <code>\mbfitpartial</code>     | MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL            |
| U+1D76F |  | <code>\mbfsansnabla</code>     | MATHEMATICAL SANS-SERIF BOLD NABLA                       |
| U+1D789 |  | <code>\mbfsanspartial</code>   | MATHEMATICAL SANS-SERIF BOLD PARTIAL DIFFERENTIAL        |
| U+1D7A9 |  | <code>\mbfitsansnabla</code>   | MATHEMATICAL SANS-SERIF BOLD ITALIC NABLA                |
| U+1D7C3 |  | <code>\mbfitsanspartial</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC PARTIAL DIFFERENTIAL |
| U+1D7CE | <b>0</b>  | <code>\mbfzero</code>          | MATHEMATICAL BOLD DIGIT 0                                |
| U+1D7CF | <b>1</b>  | <code>\mbfone</code>           | MATHEMATICAL BOLD DIGIT 1                                |
| U+1D7D0 | <b>2</b>  | <code>\mbftwo</code>           | MATHEMATICAL BOLD DIGIT 2                                |
| U+1D7D1 | <b>3</b>  | <code>\mbfthree</code>         | MATHEMATICAL BOLD DIGIT 3                                |
| U+1D7D2 | <b>4</b>  | <code>\mbffour</code>          | MATHEMATICAL BOLD DIGIT 4                                |
| U+1D7D3 | <b>5</b>  | <code>\mbffive</code>          | MATHEMATICAL BOLD DIGIT 5                                |
| U+1D7D4 | <b>6</b>  | <code>\mbfsix</code>           | MATHEMATICAL BOLD DIGIT 6                                |
| U+1D7D5 | <b>7</b>  | <code>\mbfseven</code>         | MATHEMATICAL BOLD DIGIT 7                                |
| U+1D7D6 | <b>8</b>  | <code>\mbfeight</code>         | MATHEMATICAL BOLD DIGIT 8                                |
| U+1D7D7 | <b>9</b>  | <code>\mbfnine</code>          | MATHEMATICAL BOLD DIGIT 9                                |
| U+1D7D8 | <b>0</b>  | <code>\Bbbzero</code>          | MATHEMATICAL DOUBLE-STRUCK DIGIT 0                       |
| U+1D7D9 | <b>1</b>  | <code>\Bbbone</code>           | MATHEMATICAL DOUBLE-STRUCK DIGIT 1                       |
| U+1D7DA | <b>2</b>  | <code>\Bbbtwo</code>           | MATHEMATICAL DOUBLE-STRUCK DIGIT 2                       |
| U+1D7DB | <b>3</b>  | <code>\Bbbthree</code>         | MATHEMATICAL DOUBLE-STRUCK DIGIT 3                       |
| U+1D7DC | <b>4</b>  | <code>\Bbbfour</code>          | MATHEMATICAL DOUBLE-STRUCK DIGIT 4                       |
| U+1D7DD | <b>5</b>  | <code>\Bbbfive</code>          | MATHEMATICAL DOUBLE-STRUCK DIGIT 5                       |
| U+1D7DE | <b>6</b>  | <code>\Bbbsix</code>           | MATHEMATICAL DOUBLE-STRUCK DIGIT 6                       |
| U+1D7DF | <b>7</b>  | <code>\Bbbseven</code>         | MATHEMATICAL DOUBLE-STRUCK DIGIT 7                       |
| U+1D7E0 | <b>8</b>  | <code>\Bbbeight</code>         | MATHEMATICAL DOUBLE-STRUCK DIGIT 8                       |
| U+1D7E1 | <b>9</b>  | <code>\Bbbnine</code>          | MATHEMATICAL DOUBLE-STRUCK DIGIT 9                       |
| U+1D7E2 | <b>0</b>  | <code>\msanszero</code>        | MATHEMATICAL SANS-SERIF DIGIT 0                          |
| U+1D7E3 | <b>1</b>  | <code>\msansone</code>         | MATHEMATICAL SANS-SERIF DIGIT 1                          |
| U+1D7E4 | <b>2</b>  | <code>\msanstwo</code>         | MATHEMATICAL SANS-SERIF DIGIT 2                          |
| U+1D7E5 | <b>3</b>  | <code>\msanstthree</code>      | MATHEMATICAL SANS-SERIF DIGIT 3                          |
| U+1D7E6 | <b>4</b>  | <code>\msansfour</code>        | MATHEMATICAL SANS-SERIF DIGIT 4                          |
| U+1D7E7 | <b>5</b>  | <code>\msansfive</code>        | MATHEMATICAL SANS-SERIF DIGIT 5                          |
| U+1D7E8 | <b>6</b>  | <code>\msanssix</code>         | MATHEMATICAL SANS-SERIF DIGIT 6                          |
| U+1D7E9 | <b>7</b>  | <code>\msansseven</code>       | MATHEMATICAL SANS-SERIF DIGIT 7                          |
| U+1D7EA | <b>8</b>  | <code>\msanseight</code>       | MATHEMATICAL SANS-SERIF DIGIT 8                          |
| U+1D7EB | <b>9</b>  | <code>\msansnine</code>        | MATHEMATICAL SANS-SERIF DIGIT 9                          |
| U+1D7EC | <b>0</b>  | <code>\mbfsanszero</code>      | MATHEMATICAL SANS-SERIF BOLD DIGIT 0                     |
| U+1D7ED | <b>1</b>  | <code>\mbfsansone</code>       | MATHEMATICAL SANS-SERIF BOLD DIGIT 1                     |
| U+1D7EE | <b>2</b>  | <code>\mbfsanstwo</code>       | MATHEMATICAL SANS-SERIF BOLD DIGIT 2                     |
| U+1D7EF | <b>3</b>  | <code>\mbfsanstthree</code>    | MATHEMATICAL SANS-SERIF BOLD DIGIT 3                     |
| U+1D7F0 | <b>4</b>  | <code>\mbfsansfour</code>      | MATHEMATICAL SANS-SERIF BOLD DIGIT 4                     |
| U+1D7F1 | <b>5</b>  | <code>\mbfsansfive</code>      | MATHEMATICAL SANS-SERIF BOLD DIGIT 5                     |
| U+1D7F2 | <b>6</b>  | <code>\mbfsanssix</code>       | MATHEMATICAL SANS-SERIF BOLD DIGIT 6                     |
| U+1D7F3 | <b>7</b>  | <code>\mbfsansseven</code>     | MATHEMATICAL SANS-SERIF BOLD DIGIT 7                     |
| U+1D7F4 | <b>8</b>  | <code>\mbfsanseight</code>     | MATHEMATICAL SANS-SERIF BOLD DIGIT 8                     |

|         |          |                           |                                      |
|---------|----------|---------------------------|--------------------------------------|
| U+1D7F5 | <b>9</b> | <code>\mbfsansnine</code> | MATHEMATICAL SANS-SERIF BOLD DIGIT 9 |
| U+1D7F6 | <b>0</b> | <code>\mttzero</code>     | MATHEMATICAL MONOSPACE DIGIT 0       |
| U+1D7F7 | <b>1</b> | <code>\mttone</code>      | MATHEMATICAL MONOSPACE DIGIT 1       |
| U+1D7F8 | <b>2</b> | <code>\mttwo</code>       | MATHEMATICAL MONOSPACE DIGIT 2       |
| U+1D7F9 | <b>3</b> | <code>\mtthree</code>     | MATHEMATICAL MONOSPACE DIGIT 3       |
| U+1D7FA | <b>4</b> | <code>\mtfour</code>      | MATHEMATICAL MONOSPACE DIGIT 4       |
| U+1D7FB | <b>5</b> | <code>\mtfive</code>      | MATHEMATICAL MONOSPACE DIGIT 5       |
| U+1D7FC | <b>6</b> | <code>\mtsix</code>       | MATHEMATICAL MONOSPACE DIGIT 6       |
| U+1D7FD | <b>7</b> | <code>\mtseven</code>     | MATHEMATICAL MONOSPACE DIGIT 7       |
| U+1D7FE | <b>8</b> | <code>\mtteight</code>    | MATHEMATICAL MONOSPACE DIGIT 8       |
| U+1D7FF | <b>9</b> | <code>\mttnine</code>     | MATHEMATICAL MONOSPACE DIGIT 9       |

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## 9 Relation symbols, `\mathrel`

| USV     | Ex. | 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</code>           | /LEFTARROW /GETS A: LEFTWARD ARROW               |
| U+02191 | ↑   | <code>\uparrow</code>             | UPWARD ARROW                                     |
| U+02192 | →   | <code>\rightarrow</code>          | /RIGHTARROW /TO A: RIGHTWARD ARROW               |
| U+02193 | ↓   | <code>\downarrow</code>           | DOWNWARD ARROW                                   |
| U+02194 | ↔   | <code>\leftrightarrow</code>      | LEFT AND RIGHT ARROW                             |
| U+02195 | ↕   | <code>\updownarrow</code>         | UP AND DOWN ARROW                                |
| U+02196 | ↖   | <code>\nwarrow</code>             | NW POINTING ARROW                                |
| U+02197 | ↗   | <code>\nearrow</code>             | NE POINTING ARROW                                |
| U+02198 | ↘   | <code>\searrow</code>             | SE POINTING ARROW                                |
| U+02199 | ↙   | <code>\swarrow</code>             | SW POINTING ARROW                                |
| U+0219A | ↚   | <code>\nleftarrow</code>          | NOT LEFT ARROW                                   |
| U+0219B | ↛   | <code>\nrightarrow</code>         | NOT RIGHT ARROW                                  |
| U+0219C | ↞   | <code>\leftwvearrow</code>        | LEFT ARROW-WAVY                                  |
| U+0219D | ↠   | <code>\rightwvearrow</code>       | RIGHT ARROW-WAVY                                 |
| U+0219E | ↔   | <code>\twoheadleftarrow</code>    | LEFT TWO-HEADED ARROW                            |
| U+0219F | ↕   | <code>\twoheaduparrow</code>      | UP TWO-HEADED ARROW                              |
| U+021A0 | ↞   | <code>\twoheadrightarrow</code>   | RIGHT TWO-HEADED ARROW                           |
| U+021A1 | ↕   | <code>\twoheaddownarrow</code>    | DOWN TWO-HEADED ARROW                            |
| U+021A2 | ↔   | <code>\leftarrowtail</code>       | LEFT ARROW-TAILED                                |
| U+021A3 | ↞   | <code>\rightarrowtail</code>      | RIGHT ARROW-TAILED                               |
| U+021A4 | ↔   | <code>\mapsfrom</code>            | MAPS TO, LEFTWARD                                |
| U+021A5 | ↕   | <code>\mapsup</code>              | MAPS TO, UPWARD                                  |
| U+021A6 | ↞   | <code>\mapsto</code>              | MAPS TO, RIGHTWARD                               |
| U+021A7 | ↕   | <code>\mapsdown</code>            | MAPS TO, DOWNWARD                                |
| U+021A9 | ↪   | <code>\hookleftarrow</code>       | LEFT ARROW-HOOKED                                |
| U+021AA | ↩   | <code>\hookrightarrow</code>      | RIGHT ARROW-HOOKED                               |
| U+021AB | ↪   | <code>\looparrowleft</code>       | LEFT ARROW-LOOPED                                |
| U+021AC | ↩   | <code>\looparrowright</code>      | RIGHT ARROW-LOOPED                               |
| U+021AD | ↔   | <code>\leftrightsquigarrow</code> | LEFT AND RIGHT ARR-WAVY                          |
| U+021AE | ↔   | <code>\nleftrightarrow</code>     | NOT LEFT AND RIGHT ARROW                         |
| U+021AF | ↘   | <code>\downzigzagarrow</code>     | DOWNWARDS ZIGZAG ARROW                           |
| U+021B0 | ↵   | <code>\Lsh</code>                 | /LSH A:  |
| U+021B1 | ↶   | <code>\Rsh</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</code>      | LEFT CURVED ARROW                                |
| U+021B7 | ↶   | <code>\curvearrowright</code>     | RIGHT CURVED ARROW                               |
| U+021BC | ↵   | <code>\leftharpoonup</code>       | LEFT HARPOON-UP                                  |
| U+021BD | ↶   | <code>\leftharpoondown</code>     | LEFT HARPOON-DOWN                                |
| U+021BE | ↷   | <code>\upharpoonright</code>      | /UPHARPOONRIGHT /RESTRICTION A: UP HARPOON-RIGHT |
| U+021BF | ↵   | <code>\upharpoonleft</code>       | UP HARPOON-LEFT                                  |
| U+021C0 | ↶   | <code>\rightharpoonup</code>      | RIGHT HARPOON-UP                                 |
| U+021C1 | ↷   | <code>\rightharpoondown</code>    | RIGHT HARPOON-DOWN                               |

|         |   |                                      |  |
|---------|---|--------------------------------------|--|
| U+021C2 |    | <code>\downharpoonright</code>       | DOWN HARPOON-RIGHT                               |
| U+021C3 |    | <code>\downharpoonleft</code>        | DOWN HARPOON-LEFT                                |
| U+021C4 |    | <code>\rightleftarrows</code>        | RIGHT ARROW OVER LEFT ARROW                      |
| U+021C5 |    | <code>\updownarrows</code>           | UP ARROW, DOWN ARROW                             |
| U+021C6 |    | <code>\leftrightarrows</code>        | LEFT ARROW OVER RIGHT ARROW                      |
| U+021C7 |    | <code>\leftleftarrows</code>         | TWO LEFT ARROWS                                  |
| U+021C8 |    | <code>\upuparrows</code>             | TWO UP ARROWS                                    |
| U+021C9 |    | <code>\rightrightarrows</code>       | TWO RIGHT ARROWS                                 |
| U+021CA |    | <code>\downdownarrows</code>         | TWO DOWN ARROWS                                  |
| U+021CB |    | <code>\leftrightharpoons</code>      | LEFT HARPOON OVER RIGHT                          |
| U+021CC |    | <code>\rightleftharpoons</code>      | RIGHT HARPOON OVER LEFT                          |
| U+021CD |    | <code>\nLeftarrow</code>             | NOT IMPLIED BY                                   |
| U+021CE |    | <code>\nLeftrightarrow</code>        | NOT LEFT AND RIGHT DOUBLE ARROWS                 |
| U+021CF |    | <code>\nRightarrow</code>            | NOT IMPLIES                                      |
| U+021D0 |    | <code>\Leftarrow</code>              | IS IMPLIED BY                                    |
| U+021D1 |    | <code>\Uparrow</code>                | UP DOUBLE ARROW                                  |
| U+021D2 |    | <code>\Rightarrow</code>             | IMPLIES  |
| U+021D3 |    | <code>\Downarrow</code>              | DOWN DOUBLE ARROW                                |
| U+021D4 |    | <code>\Leftrightarrow</code>         | LEFT AND RIGHT DOUBLE ARROW                      |
| U+021D5 |    | <code>\Updownarrow</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</code>             | LEFT TRIPLE ARROW                                |
| U+021DB |  | <code>\Rrightarrow</code>            | RIGHT TRIPLE ARROW                               |
| U+021DC |  | <code>\leftsquigarrow</code>         | LEFTWARDS SQUIGGLE ARROW                         |
| U+021DD |  | <code>\rightsquigarrow</code>        | RIGHTWARDS SQUIGGLE ARROW                        |
| U+021E4 |  | <code>\barleftarrow</code>           | LEFTWARDS ARROW TO BAR                           |
| U+021E5 |  | <code>\barrightarrow</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>\righthreearrows</code>        | THREE RIGHTWARDS ARROWS                          |
| U+021F7 |  | <code>\nleftarrow</code>             | LEFTWARDS ARROW WITH VERTICAL STROKE             |
| U+021F8 |  | <code>\nrightarrow</code>            | RIGHTWARDS ARROW WITH VERTICAL STROKE            |
| U+021F9 |  | <code>\nleftrightarrow</code>        | LEFT RIGHT ARROW WITH VERTICAL STROKE            |
| U+021FA |  | <code>\nVleftarrow</code>            | LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE      |
| U+021FB |  | <code>\nVrightarrow</code>           | RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE     |
| U+021FC |  | <code>\nVleftrightarrow</code>       | LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE     |
| U+021FD |  | <code>\leftarrowtriangle</code>      | LEFTWARDS OPEN-HEADED ARROW                      |
| U+021FE |  | <code>\rightarrowtriangle</code>     | RIGHTWARDS OPEN-HEADED ARROW                     |
| U+021FF |  | <code>\leftrightarrowtriangle</code> | LEFT RIGHT OPEN-HEADED ARROW                     |
| U+02208 |  | <code>\in</code>                     | SET MEMBERSHIP, VARIANT                          |
| U+02209 |  | <code>\notin</code>                  | NEGATED SET MEMBERSHIP                           |
| U+0220A |  | <code>\smallin</code>                | SET MEMBERSHIP (SMALL SET MEMBERSHIP)            |
| U+0220B |  | <code>\ni</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</code>                 | IS PROPORTIONAL TO                               |
| U+02223 |  | <code>\mid</code>                    | /MID R:  |
| U+02224 |  | <code>\nmid</code>                   | NEGATED MID                                      |
| U+02225 |  | <code>\parallel</code>               | PARALLEL   |



|         |    |                    |   |
|---------|----|--------------------|---|
| U+02226 | #  | \nparallel         | NOT PARALLEL                                    |
| U+02236 | :  | \mathratio         | RATIO   |
| U+02237 | :: | \Colon             | TWO COLONS                                      |
| U+02239 | -: | \dashcolon         | EXCESS (-:)                                     |
| U+0223A | ⋮  | \dotsminusdots     | MINUS WITH FOUR DOTS, GEOMETRIC PROPERTIES      |
| U+0223B | ≈  | \kernelcontraction | HOMOTHETIC                                      |
| U+0223C | ~  | \sim               | SIMILAR   |
| U+0223D | ↖  | \backsim           | REVERSE SIMILAR                                 |
| U+02241 | ≇  | \nsim              | NOT SIMILAR                                     |
| U+02242 | ≈  | \eqsim             | EQUALS, SIMILAR                                 |
| U+02243 | ≈  | \simeq             | SIMILAR, EQUALS                                 |
| U+02244 | ≇  | \nsime             | NOT SIMILAR, EQUALS                             |
| U+02245 | ≡  | \cong              | CONGRUENT WITH                                  |
| U+02246 | ≇  | \simeqq            | SIMILAR, NOT EQUALS [VERT ONLY FOR 9573 ENTITY] |
| U+02247 | ≇  | \ncong             | NOT CONGRUENT WITH                              |
| U+02248 | ≈  | \approx            | APPROXIMATE                                     |
| U+02249 | ≇  | \napprox           | NOT APPROXIMATE                                 |
| U+0224A | ≈  | \approxeq          | APPROXIMATE, EQUALS                             |
| U+0224B | ≈  | \approxident       | APPROXIMATELY IDENTICAL TO                      |
| U+0224C | ≡  | \backcong          | ALL EQUAL TO                                    |
| U+0224D | ∞  | \asymp             | ASYMPTOTICALLY EQUAL TO                         |
| U+0224E | ⋈  | \Bumpeq            | BUMPY EQUALS                                    |
| U+0224F | ⋈  | \bumpeq            | BUMPY EQUALS, EQUALS                            |
| U+02250 | ⋈  | \doteq             | EQUALS, SINGLE DOT ABOVE                        |
| U+02251 | ⋈  | \Doteq             | /DOTEQDOT /DOTEQ R: EQUALS, EVEN DOTS           |
| U+02252 | ⋈  | \fallingdotseq     | EQUALS, FALLING DOTS                            |
| U+02253 | ⋈  | \risingdotseq      | EQUALS, RISING DOTS                             |
| U+02254 | ⋈  | \coloneq           | COLON, EQUALS                                   |
| U+02255 | ⋈  | \eqcolon           | EQUALS, COLON                                   |
| U+02256 | ⋈  | \eqcirc            | CIRCLE ON EQUALS SIGN                           |
| U+02257 | ⋈  | \circeq            | CIRCLE, EQUALS                                  |
| U+02258 | ⋈  | \arceq             | ARC, EQUALS; CORRESPONDS TO                     |
| U+02259 | ⋈  | \wedgseq           | CORRESPONDS TO (WEDGE, EQUALS)                  |
| U+0225A | ⋈  | \veeeq             | LOGICAL OR, EQUALS                              |
| U+0225B | ⋈  | \stareq            | STAR EQUALS                                     |
| U+0225C | ⋈  | \triangleq         | TRIANGLE, EQUALS                                |
| U+0225D | ⋈  | \eqdef             | EQUALS BY DEFINITION                            |
| U+0225E | ⋈  | \measeq            | MEASURED BY (M OVER EQUALS)                     |
| U+0225F | ⋈  | \questeq           | EQUAL WITH QUESTIONMARK                         |
| U+02260 | ≠  | \ne                | /NE /NEQ R: NOT EQUAL                           |
| U+02261 | ≡  | \equiv             | IDENTICAL WITH                                  |
| U+02262 | ≇  | \nequiv            | NOT IDENTICAL WITH                              |
| U+02263 | ≡  | \Equiv             | STRICT EQUIVALENCE (4 LINES)                    |
| U+02264 | ⩽  | \leq               | /LEQ /LE R: LESS-THAN-OR-EQUAL                  |
| U+02265 | ⩾  | \geq               | /GEQ /GE R: GREATER-THAN-OR-EQUAL               |
| U+02266 | ≡  | \leqq              | LESS, DOUBLE EQUALS                             |
| U+02267 | ≡  | \geqq              | GREATER, DOUBLE EQUALS                          |
| U+02268 | ≇  | \lneqq             | LESS, NOT DOUBLE EQUALS                         |
| U+02269 | ≇  | \gneqq             | GREATER, NOT DOUBLE EQUALS                      |
| U+0226A | ≪  | \ll                | MUCH LESS THAN, TYPE 2                          |
| U+0226B | ≫  | \gg                | MUCH GREATER THAN, TYPE 2                       |
| U+0226C | ⋈  | \between           | BETWEEN   |

|         |   |                   |  |
|---------|---|-------------------|--|
| U+0226D | * | \nasymp           | NOT ASYMPTOTICALLY EQUAL TO            |
| U+0226E | * | \nless            | NOT LESS-THAN                          |
| U+0226F | * | \ngtr             | NOT GREATER-THAN                       |
| U+02270 | * | \nleq             | NOT LESS-THAN-OR-EQUAL                 |
| U+02271 | * | \ngeq             | NOT GREATER-THAN-OR-EQUAL              |
| U+02272 | ∩ | \lesssim          | LESS, SIMILAR                          |
| U+02273 | ∩ | \gtrsim           | GREATER, SIMILAR                       |
| U+02274 | * | \nlesssim         | NOT LESS, SIMILAR                      |
| U+02275 | * | \ngtrsim          | NOT GREATER, SIMILAR                   |
| U+02276 | ∩ | \lessgtr          | LESS, GREATER                          |
| U+02277 | ∩ | \gtrless          | GREATER, LESS                          |
| U+02278 | * | \nlessgtr         | NOT LESS, GREATER                      |
| U+02279 | * | \ngtrless         | NOT GREATER, LESS                      |
| U+0227A | ∩ | \prec             | PRECEDES                               |
| U+0227B | ∩ | \succ             | SUCCEEDS                               |
| U+0227C | ∩ | \preccurlyeq      | PRECEDES, CURLY EQUALS                 |
| U+0227D | ∩ | \succcurlyeq      | SUCCEEDS, CURLY EQUALS                 |
| U+0227E | ∩ | \precsim          | PRECEDES, SIMILAR                      |
| U+0227F | ∩ | \succsim          | SUCCEEDS, SIMILAR                      |
| U+02280 | * | \nprec            | NOT PRECEDES                           |
| U+02281 | * | \nsucc            | NOT SUCCEEDS                           |
| U+02282 | ∩ | \subset           | SUBSET OR IS IMPLIED BY                |
| U+02283 | ∩ | \supset           | SUPERSET OR IMPLIES                    |
| U+02284 | * | \nsubset          | NOT SUBSET, VARIANT [SLASH NEGATION]   |
| U+02285 | * | \nsupset          | NOT SUPERSET, VARIANT [SLASH NEGATION] |
| U+02286 | ∩ | \subseteq         | SUBSET, EQUALS                         |
| U+02287 | ∩ | \supseteq         | SUPERSET, EQUALS                       |
| U+02288 | * | \nsubseteq        | NOT SUBSET, EQUALS                     |
| U+02289 | * | \nsupseteq        | NOT SUPERSET, EQUALS                   |
| U+0228A | ∩ | \subsetneq        | SUBSET, NOT EQUALS                     |
| U+0228B | ∩ | \supsetneq        | SUPERSET, NOT EQUALS                   |
| U+0228F | ∩ | \sqsubset         | SQUARE SUBSET                          |
| U+02290 | ∩ | \sqsupset         | SQUARE SUPERSET                        |
| U+02291 | ∩ | \sqsubseteq       | SQUARE SUBSET, EQUALS                  |
| U+02292 | ∩ | \sqsupseteq       | SQUARE SUPERSET, EQUALS                |
| U+022A2 | T | \vdash            | VERTICAL, DASH                         |
| U+022A3 | ⊥ | \dashv            | DASH, VERTICAL                         |
| U+022A6 | T | \assert           | ASSERTION (VERTICAL, SHORT DASH)       |
| U+022A7 | ⊥ | \models           | MODELS (VERTICAL, SHORT DOUBLE DASH)   |
| U+022A8 | ⊥ | \vDash            | VERTICAL, DOUBLE DASH                  |
| U+022A9 | ⊥ | \Vdash            | DOUBLE VERTICAL, DASH                  |
| U+022AA | ⊥ | \Vvdash           | TRIPLE VERTICAL, DASH                  |
| U+022AB | ⊥ | \VDash            | DOUBLE VERT, DOUBLE DASH               |
| U+022AC | * | \nvdash           | NOT VERTICAL, DASH                     |
| U+022AD | * | \nvDash           | NOT VERTICAL, DOUBLE DASH              |
| U+022AE | * | \nVdash           | NOT DOUBLE VERTICAL, DASH              |
| U+022AF | * | \nVDash           | NOT DOUBLE VERT, DOUBLE DASH           |
| U+022B0 | ∩ | \prurel           | ELEMENT PRECEDES UNDER RELATION        |
| U+022B1 | ∩ | \scurrel          | SUCCEEDS UNDER RELATION                |
| U+022B2 | ∩ | \vartriangleleft  | LEFT TRIANGLE, OPEN, VARIANT           |
| U+022B3 | ∩ | \vartriangleright | RIGHT TRIANGLE, OPEN, VARIANT          |
| U+022B4 | ∩ | \trianglelefteq   | LEFT TRIANGLE, EQUALS                  |




















































|         |  |                                |  |
|---------|--|--------------------------------|--|
| U+022B5 |  | <code>\trianglerighteq</code>  | RIGHT TRIANGLE, EQUALS   |
| U+022B6 |  | <code>\origof</code>           | ORIGINAL OF  |
| U+022B7 |  | <code>\imageof</code>          | IMAGE OF   |
| U+022B8 |  | <code>\multimap</code>         | /MULTIMAP A:   |
| U+022C8 |  | <code>\bowtie</code>           | BOWTIE   |
| U+022CD |  | <code>\backsimeq</code>        | REVERSE SIMILAR, EQUALS  |
| U+022D0 |  | <code>\Subset</code>           | DOUBLE SUBSET  |
| U+022D1 |  | <code>\Supset</code>           | DOUBLE SUPERSET  |
| U+022D4 |  | <code>\pitchfork</code>        | PITCHFORK  |
| U+022D5 |  | <code>\equalparallel</code>    | PARALLEL, EQUAL; EQUAL OR PARALLEL                             |
| U+022D6 |  | <code>\lessdot</code>          | LESS THAN, WITH DOT  |
| U+022D7 |  | <code>\gtrdot</code>           | GREATER THAN, WITH DOT   |
| U+022D8 |  | <code>\lll</code>              | /LL /LLL /LLESS R: TRIPLE LESS-THAN                            |
| U+022D9 |  | <code>\ggg</code>              | /GGG /GG /GGTR R: TRIPLE GREATER-THAN                          |
| U+022DA |  | <code>\lesseqgtr</code>        | LESS, EQUALS, GREATER  |
| U+022DB |  | <code>\gtreqless</code>        | GREATER, EQUALS, LESS  |
| U+022DC |  | <code>\eqless</code>           | EQUAL-OR-LESS  |
| U+022DD |  | <code>\eqgtr</code>            | EQUAL-OR-GREATER   |
| U+022DE |  | <code>\curlyeqprec</code>      | CURLY EQUALS, PRECEDES   |
| U+022DF |  | <code>\curlyeqsucc</code>      | CURLY EQUALS, SUCCEEDS   |
| U+022E0 |  | <code>\npreccurlyeq</code>     | NOT PRECEDES, CURLY EQUALS                                     |
| U+022E1 |  | <code>\nsucccurlyeq</code>     | NOT SUCCEEDS, CURLY EQUALS                                     |
| U+022E2 |  | <code>\nsqsubseteq</code>      | NOT, SQUARE SUBSET, EQUALS                                     |
| U+022E3 |  | <code>\nsqsupseteq</code>      | NOT, SQUARE SUPERSET, EQUALS                                   |
| U+022E4 |  | <code>\sqsubsetneq</code>      | SQUARE SUBSET, NOT EQUALS                                      |
| U+022E5 |  | <code>\sqsupsetneq</code>      | SQUARE SUPERSET, NOT EQUALS                                    |
| U+022E6 |  | <code>\lnsim</code>            | LESS, NOT SIMILAR  |
| U+022E7 |  | <code>\gnsim</code>            | GREATER, NOT SIMILAR   |
| U+022E8 |  | <code>\precnsim</code>         | PRECEDES, NOT SIMILAR  |
| U+022E9 |  | <code>\succnsim</code>         | SUCCEEDS, NOT SIMILAR  |
| U+022EA |  | <code>\ntriangleleft</code>    | NOT LEFT TRIANGLE  |
| U+022EB |  | <code>\ntriangleright</code>   | NOT RIGHT TRIANGLE   |
| U+022EC |  | <code>\ntrianglelefteq</code>  | NOT LEFT TRIANGLE, EQUALS                                      |
| U+022ED |  | <code>\ntrianglerighteq</code> | NOT RIGHT TRIANGLE, EQUALS                                     |
| U+022EE |  | <code>\vdots</code>            | VERTICAL ELLIPSIS  |
| U+022F0 |  | <code>\adots</code>            | THREE DOTS, ASCENDING  |
| U+022F1 |  | <code>\ddots</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</code>            | DOWN CURVE   |

|         |   |                      |   |
|---------|---|----------------------|---|
| U+02323 | ☺ | \smile               | UP CURVE  |
| U+0233F | / | \APLnotslash         | SOLIDUS, BAR THROUGH (APL FUNCTIONAL SYMBOL SLASH BAR)  |
| U+025B5 | △ | \vartriangle         | /TRIANGLE - UP TRIANGLE, OPEN                           |
| U+027C2 | ⊥ | \perp                | PERPENDICULAR   |
| U+027C8 | ⊂ | \bsolhsb             | REVERSE SOLIDUS PRECEDING SUBSET                        |
| U+027C9 | ⊃ | \suphsol             | 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 | ↶ | \Uparrow             | UPWARDS QUADRUPLE ARROW                                 |
| U+027F1 | ↷ | \Ddownarrow          | DOWNWARDS QUADRUPLE ARROW                               |
| U+027F2 | ↻ | \acwgapcirclearrow   | ANTICLOCKWISE GAPPED CIRCLE ARROW                       |
| U+027F3 | ↻ | \cwgapcirclearrow    | CLOCKWISE GAPPED CIRCLE ARROW                           |
| U+027F4 | ⊕ | \rightarrowonoplus   | RIGHT ARROW WITH CIRCLED PLUS                           |
| U+027F5 | ← | \longleftarrow       | LONG LEFTWARDS ARROW                                    |
| U+027F6 | → | \longrightarrow      | LONG RIGHTWARDS ARROW                                   |
| U+027F7 | ↔ | \longleftrightarrow  | LONG LEFT RIGHT ARROW                                   |
| U+027F8 | ⇐ | \Longleftarrow       | LONG LEFTWARDS DOUBLE ARROW                             |
| U+027F9 | ⇒ | \Longrightarrow      | LONG RIGHTWARDS DOUBLE ARROW                            |
| U+027FA | ↔ | \Longleftrightarrow  | LONG LEFT RIGHT DOUBLE ARROW                            |
| U+027FB | ← | \longmapsfrom        | LONG LEFTWARDS ARROW FROM BAR                           |
| U+027FC | → | \longmapsto          | LONG RIGHTWARDS ARROW FROM BAR                          |
| U+027FD | ⇐ | \Longmapsfrom        | LONG LEFTWARDS DOUBLE ARROW FROM BAR                    |
| U+027FE | ⇒ | \Longmapsto          | LONG RIGHTWARDS DOUBLE ARROW FROM BAR                   |
| U+027FF | ↻ | \longrightsquigarrow | LONG RIGHTWARDS SQUIGGLE ARROW                          |
| U+02900 | ⇨ | \nvtwoheadrightarrow | RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE        |
| U+02901 | ⇨ | \nVtwoheadrightarrow | RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE |
| U+02902 | ⇦ | \nvleftarrow         | LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE             |
| U+02903 | ⇨ | \nvrightarrow        | RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE            |
| U+02904 | ⇨ | \nvleftrightarrow    | LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE            |
| U+02905 | ⇨ | \twoheadmapsto       | RIGHTWARDS TWO-HEADED ARROW FROM BAR                    |
| U+02906 | ⇦ | \Mapsfrom            | LEFTWARDS DOUBLE ARROW FROM BAR                         |
| U+02907 | ⇨ | \Mapsto              | RIGHTWARDS DOUBLE ARROW FROM BAR                        |
| U+02908 | ⇩ | \downarrowbarred     | DOWNWARDS ARROW WITH HORIZONTAL STROKE                  |
| U+02909 | ⇧ | \uparrowbarred       | UPWARDS ARROW WITH HORIZONTAL STROKE                    |
| U+0290A | ⇧ | \Uparrow             | UPWARDS TRIPLE ARROW                                    |
| U+0290B | ⇩ | \Ddownarrow          | DOWNWARDS TRIPLE ARROW                                  |
| U+0290C | ⇦ | \leftbkarrow         | LEFTWARDS DOUBLE DASH ARROW                             |
| U+0290D | ⇨ | \rightbkarrow        | RIGHTWARDS DOUBLE DASH ARROW                            |
| U+0290E | ⇦ | \leftdbkarrow        | LEFTWARDS TRIPLE DASH ARROW                             |
| U+0290F | ⇨ | \dbkarow             | RIGHTWARDS TRIPLE DASH ARROW                            |
| U+02910 | ⇨ | \drbkarow            | 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 | ⇨ | \nrightarrowtail     | RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE         |

|         |  |   |   |
|---------|--|---|---|
| U+02915 |  | <code>\nVrightarrowtail</code>          | RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE            |
| U+02916 |  | <code>\twoheadrightarrowtail</code>     | RIGHTWARDS TWO-HEADED ARROW WITH TAIL                             |
| U+02917 |  | <code>\nvtwoheadrightarrowtail</code>   | RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE        |
| U+02918 |  | <code>\nVtwoheadrightarrowtail</code>   | RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE |
| U+02919 |  | <code>\lefttail</code>                  | LEFTWARDS ARROW-TAIL  |
| U+0291A |  | <code>\righttail</code>                 | RIGHTWARDS ARROW-TAIL   |
| U+0291B |  | <code>\leftdbltail</code>               | LEFTWARDS DOUBLE ARROW-TAIL                                       |
| U+0291C |  | <code>\rightdbltail</code>              | RIGHTWARDS DOUBLE ARROW-TAIL                                      |
| U+0291D |  | <code>\diamondleftarrow</code>          | LEFTWARDS ARROW TO BLACK DIAMOND                                  |
| U+0291E |  | <code>\rightarrowblackdiamond</code>    | RIGHTWARDS ARROW TO BLACK DIAMOND                                 |
| U+0291F |  | <code>\diamondleftarrowbar</code>       | LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND                         |
| U+02920 |  | <code>\barrightarrowblackdiamond</code> | RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND                        |
| U+02921 |  | <code>\nwsearrow</code>                 | NORTH WEST AND SOUTH EAST ARROW                                   |
| U+02922 |  | <code>\neswarrow</code>                 | NORTH EAST AND SOUTH WEST ARROW                                   |
| U+02923 |  | <code>\hknwarrow</code>                 | NORTH WEST ARROW WITH HOOK  |
| U+02924 |  | <code>\hknearrow</code>                 | NORTH EAST ARROW WITH HOOK  |
| U+02925 |  | <code>\hksearrow</code>                 | SOUTH EAST ARROW WITH HOOK  |
| U+02926 |  | <code>\hkswarrow</code>                 | SOUTH WEST ARROW WITH HOOK  |
| U+02927 |  | <code>\tona</code>                      | NORTH WEST ARROW AND NORTH EAST ARROW                             |
| U+02928 |  | <code>\toea</code>                      | NORTH EAST ARROW AND SOUTH EAST ARROW                             |
| U+02929 |  | <code>\tosa</code>                      | SOUTH EAST ARROW AND SOUTH WEST ARROW                             |
| U+0292A |  | <code>\towa</code>                      | SOUTH WEST ARROW AND NORTH WEST ARROW                             |
| U+02933 |  | <code>\rightcurvedarrow</code>          | WAVE ARROW POINTING DIRECTLY RIGHT                                |
| U+02936 |  | <code>\leftdowncurvedarrow</code>       | ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS                   |
| U+02937 |  | <code>\rightdowncurvedarrow</code>      | ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS                  |
| U+02938 |  | <code>\cwrightarcarrow</code>           | RIGHT-SIDE ARC CLOCKWISE ARROW                                    |
| U+02939 |  | <code>\acwleftarcarrow</code>           | LEFT-SIDE ARC ANTICLOCKWISE ARROW                                 |
| U+0293A |  | <code>\acwoverarcarrow</code>           | TOP ARC ANTICLOCKWISE ARROW                                       |
| U+0293B |  | <code>\acwunderarcarrow</code>          | BOTTOM ARC ANTICLOCKWISE ARROW                                    |
| U+0293C |  | <code>\curvearrowrightminus</code>      | TOP ARC CLOCKWISE ARROW WITH MINUS                                |
| U+0293D |  | <code>\curvearrowleftplus</code>        | TOP ARC ANTICLOCKWISE ARROW WITH PLUS                             |
| 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>\lefttrightharpoonupdown</code>   | LEFT BARB UP RIGHT BARB DOWN HARPOON                              |
| U+0294B |  | <code>\lefttrightharpoondownup</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>\lefttrightharpoonupup</code>     | LEFT BARB UP RIGHT BARB UP HARPOON                                |
| U+0294F |  | <code>\updownharpoonrightright</code>   | UP BARB RIGHT DOWN BARB RIGHT HARPOON                             |
| U+02950 |  | <code>\lefttrightharpoondowndown</code> | LEFT BARB DOWN RIGHT BARB DOWN HARPOON                            |
| U+02951 |  | <code>\updownharpoonleftleft</code>     | 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 | ↗ | \barrightharpoonup       | 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 | ↗ | \barrightharpoondown     | RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR                                |
| U+02960 | ↘ | \upharpoonleftbar        | UPWARDS HARPOON WITH BARB LEFT FROM BAR                                   |
| U+02961 | ↙ | \bardownharpoonleft      | DOWNWARDS HARPOON WITH BARB LEFT FROM BAR                                 |
| U+02962 | ↖ | \leftharpoonsupdown      | LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN     |
| U+02963 | ↗ | \upharpoonsleftright     | UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT     |
| U+02964 | ↘ | \rightharpoonsupdown     | RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN   |
| U+02965 | ↙ | \downharpoonsleftright   | DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT |
| U+02966 | ↖ | \leftrightharpoonsup     | LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP      |
| U+02967 | ↗ | \leftrightharpoonsdown   | LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN  |
| U+02968 | ↘ | \rightleftharpoonsup     | RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP      |
| U+02969 | ↙ | \rightleftharpoonsdown   | RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN  |
| U+0296A | ↖ | \leftharpoonupdash       | LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH                            |
| U+0296B | ↗ | \dashleftharpoondown     | LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH                          |
| U+0296C | ↘ | \rightharpoonupdash      | RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH                           |
| U+0296D | ↙ | \dashrightharpoondown    | RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH                         |
| U+0296E | ↖ | \updownharpoonsleftright | UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT   |
| U+0296F | ↗ | \downupharpoonsleftright | DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT   |
| U+02970 | ⇒ | \rightimply              | RIGHT DOUBLE ARROW WITH ROUNDED HEAD                                      |
| U+02971 | ⇒ | \equalrightarrow         | EQUALS SIGN ABOVE RIGHTWARDS ARROW  |
| U+02972 | ⇒ | \similarrightarrow       | TILDE OPERATOR ABOVE RIGHTWARDS ARROW                                     |
| U+02973 | ⇐ | \leftarrowsimilar        | LEFTWARDS ARROW ABOVE TILDE OPERATOR                                      |
| U+02974 | ⇒ | \rightarrowsimilar       | RIGHTWARDS ARROW ABOVE TILDE OPERATOR                                     |
| U+02975 | ⇒ | \rightarrowapprox        | RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO                                    |
| U+02976 | ⇐ | \ltlarr                  | LESS-THAN ABOVE LEFTWARDS ARROW   |
| U+02977 | ⇐ | \leftarrowless           | LEFTWARDS ARROW THROUGH LESS-THAN   |
| U+02978 | ⇒ | \gtrarr                  | GREATER-THAN ABOVE RIGHTWARDS ARROW                                       |
| U+02979 | ⇒ | \subrarr                 | SUBSET ABOVE RIGHTWARDS ARROW   |
| U+0297A | ⇐ | \leftarrowsubset         | LEFTWARDS ARROW THROUGH SUBSET  |
| U+0297B | ⇐ | \suplarr                 | SUPERSET ABOVE LEFTWARDS ARROW  |
| U+0297C | ↖ | \leftfishtail            | LEFT FISH TAIL  |
| U+0297D | ↗ | \rightfishtail           | RIGHT FISH TAIL   |
| U+0297E | ↖ | \upfishtail              | UP FISH TAIL  |
| U+0297F | ↙ | \downfishtail            | DOWN FISH TAIL  |
| U+029CE | ↗ | \rtriltri                | RIGHT TRIANGLE ABOVE LEFT TRIANGLE  |
| U+029CF | ↖ | \ltrivb                  | LEFT TRIANGLE BESIDE VERTICAL BAR   |
| U+029D0 | ↗ | \vbrtri                  | VERTICAL BAR BESIDE RIGHT TRIANGLE  |



|         |   |                                     |  |
|---------|---|-------------------------------------|--|
| U+02A8E |    | $\backslash$ gsime                  | GREATER-THAN ABOVE SIMILAR OR EQUAL                                  |
| U+02A8F |    | $\backslash$ lsimg                  | LESS-THAN ABOVE SIMILAR ABOVE GREATER-THAN                           |
| U+02A90 |    | $\backslash$ gsiml                  | GREATER-THAN ABOVE SIMILAR ABOVE LESS-THAN                           |
| U+02A91 |    | $\backslash$ lgE                    | LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL                 |
| U+02A92 |    | $\backslash$ glE                    | GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL                 |
| U+02A93 |    | $\backslash$ lesges                 | LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL |
| U+02A94 |    | $\backslash$ gesles                 | GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL |
| U+02A95 |    | $\backslash$ eqslantless            | SLANTED EQUAL TO OR LESS-THAN  |
| U+02A96 |    | $\backslash$ eqslantgtr             | SLANTED EQUAL TO OR GREATER-THAN                                     |
| U+02A97 |    | $\backslash$ elsdot                 | SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE                        |
| U+02A98 |    | $\backslash$ egsdot                 | SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE                     |
| U+02A99 |    | $\backslash$ eqqless                | DOUBLE-LINE EQUAL TO OR LESS-THAN                                    |
| U+02A9A |    | $\backslash$ eqqgtr                 | DOUBLE-LINE EQUAL TO OR GREATER-THAN                                 |
| U+02A9B |    | $\backslash$ eqqslantless           | DOUBLE-LINE SLANTED EQUAL TO OR LESS-THAN                            |
| U+02A9C |    | $\backslash$ eqqslantgtr            | DOUBLE-LINE SLANTED EQUAL TO OR GREATER-THAN                         |
| U+02A9D |    | $\backslash$ simless                | SIMILAR OR LESS-THAN   |
| U+02A9E |    | $\backslash$ simgtr                 | SIMILAR OR GREATER-THAN  |
| U+02A9F |    | $\backslash$ simlE                  | SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN                            |
| U+02AA0 |    | $\backslash$ simgE                  | SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN                         |
| U+02AA1 |    | $\backslash$ Lt                     | DOUBLE NESTED LESS-THAN  |
| U+02AA2 |    | $\backslash$ Gt                     | DOUBLE NESTED GREATER-THAN   |
| U+02AA3 |   | $\backslash$ partialmeetcontraction | DOUBLE LESS-THAN WITH UNDERBAR                                       |
| U+02AA4 |  | $\backslash$ glj                    | GREATER-THAN OVERLAPPING LESS-THAN                                   |
| U+02AA5 |  | $\backslash$ gla                    | GREATER-THAN BESIDE LESS-THAN  |
| U+02AA6 |  | $\backslash$ ltcc                   | LESS-THAN CLOSED BY CURVE  |
| U+02AA7 |  | $\backslash$ gtcc                   | GREATER-THAN CLOSED BY CURVE   |
| U+02AA8 |  | $\backslash$ lescc                  | LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL                        |
| U+02AA9 |  | $\backslash$ gescc                  | GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL                     |
| U+02AAA |  | $\backslash$ smt                    | SMALLER THAN   |
| U+02AAB |  | $\backslash$ lat                    | LARGER THAN  |
| U+02AAC |  | $\backslash$ smte                   | SMALLER THAN OR EQUAL TO   |
| U+02AAD |  | $\backslash$ late                   | LARGER THAN OR EQUAL TO  |
| U+02AAE |  | $\backslash$ bumpeq                 | EQUALS SIGN WITH BUMPY ABOVE   |
| U+02AAF |  | $\backslash$ preceq                 | PRECEDES ABOVE SINGLE-LINE EQUALS SIGN                               |
| U+02AB0 |  | $\backslash$ succeq                 | SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN                               |
| U+02AB1 |  | $\backslash$ precneq                | PRECEDES ABOVE SINGLE-LINE NOT EQUAL TO                              |
| U+02AB2 |  | $\backslash$ succneq                | SUCCEEDS ABOVE SINGLE-LINE NOT EQUAL TO                              |
| U+02AB3 |  | $\backslash$ preceqq                | PRECEDES ABOVE EQUALS SIGN   |
| U+02AB4 |  | $\backslash$ succeqq                | SUCCEEDS ABOVE EQUALS SIGN   |
| U+02AB5 |  | $\backslash$ precneqq               | PRECEDES ABOVE NOT EQUAL TO  |
| U+02AB6 |  | $\backslash$ succneqq               | SUCCEEDS ABOVE NOT EQUAL TO  |
| U+02AB7 |  | $\backslash$ precapprox             | PRECEDES ABOVE ALMOST EQUAL TO                                       |
| U+02AB8 |  | $\backslash$ succapprox             | SUCCEEDS ABOVE ALMOST EQUAL TO                                       |
| U+02AB9 |  | $\backslash$ precnapprox            | PRECEDES ABOVE NOT ALMOST EQUAL TO                                   |
| U+02ABA |  | $\backslash$ succnapprox            | SUCCEEDS ABOVE NOT ALMOST EQUAL TO                                   |
| U+02ABB |  | $\backslash$ Prec                   | DOUBLE PRECEDES  |
| U+02ABC |  | $\backslash$ Succ                   | DOUBLE SUCCEEDS  |
| U+02ABD |  | $\backslash$ subsetdot              | SUBSET WITH DOT  |
| U+02ABE |  | $\backslash$ supsetdot              | SUPERSET WITH DOT  |
| U+02ABF |  | $\backslash$ subsetplus             | SUBSET WITH PLUS SIGN BELOW  |
| U+02AC0 |  | $\backslash$ supsetplus             | SUPERSET WITH PLUS SIGN BELOW  |



|         |   |                             |  |
|---------|---|-----------------------------|--|
| U+02AC1 |    | <code>\submult</code>       | SUBSET WITH MULTIPLICATION SIGN BELOW          |
| U+02AC2 |    | <code>\supmult</code>       | SUPERSET WITH MULTIPLICATION SIGN BELOW        |
| U+02AC3 |    | <code>\subedot</code>       | SUBSET OF OR EQUAL TO WITH DOT ABOVE           |
| U+02AC4 |    | <code>\supedot</code>       | SUPERSET OF OR EQUAL TO WITH DOT ABOVE         |
| U+02AC5 |    | <code>\subseteqq</code>     | SUBSET OF ABOVE EQUALS SIGN                    |
| U+02AC6 |    | <code>\supseteqq</code>     | SUPERSET OF ABOVE EQUALS SIGN                  |
| U+02AC7 |    | <code>\subsim</code>        | SUBSET OF ABOVE TILDE OPERATOR                 |
| U+02AC8 |    | <code>\supsim</code>        | SUPERSET OF ABOVE TILDE OPERATOR               |
| U+02AC9 |    | <code>\subsetapprox</code>  | SUBSET OF ABOVE ALMOST EQUAL TO                |
| U+02ACA |    | <code>\supsetapprox</code>  | SUPERSET OF ABOVE ALMOST EQUAL TO              |
| U+02ACB |    | <code>\subsetneqq</code>    | SUBSET OF ABOVE NOT EQUAL TO                   |
| U+02ACC |    | <code>\supsetneqq</code>    | SUPERSET OF ABOVE NOT EQUAL TO                 |
| U+02ACD |    | <code>\lsqhook</code>       | SQUARE LEFT OPEN BOX OPERATOR                  |
| U+02ACE |    | <code>\rsqhook</code>       | SQUARE RIGHT OPEN BOX OPERATOR                 |
| U+02ACF |    | <code>\subset</code>        | CLOSED SUBSET                                  |
| U+02AD0 |    | <code>\supset</code>        | CLOSED SUPERSET                                |
| U+02AD1 |    | <code>\subseteq</code>      | CLOSED SUBSET OR EQUAL TO                      |
| U+02AD2 |    | <code>\csupe</code>         | CLOSED SUPERSET OR EQUAL TO                    |
| U+02AD3 |    | <code>\subsup</code>        | SUBSET ABOVE SUPERSET                          |
| U+02AD4 |    | <code>\supsub</code>        | SUPERSET ABOVE SUBSET                          |
| U+02AD5 |    | <code>\subsub</code>        | SUBSET ABOVE SUBSET                            |
| U+02AD6 |   | <code>\supsup</code>        | SUPERSET ABOVE SUPERSET                        |
| U+02AD7 |  | <code>\suphsub</code>       | SUPERSET BESIDE SUBSET                         |
| U+02AD8 |  | <code>\supdsub</code>       | SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET |
| U+02AD9 |  | <code>\forkv</code>         | ELEMENT OF OPENING DOWNWARDS                   |
| U+02ADA |  | <code>\topfork</code>       | PITCHFORK WITH TEE TOP                         |
| U+02ADB |  | <code>\mlcp</code>          | TRANSVERSAL INTERSECTION                       |
| U+02ADC |  | <code>\forks</code>         | FORKING  |
| U+02ADD |  | <code>\forksnot</code>      | NONFORKING                                     |
| U+02ADE |  | <code>\shortlefttack</code> | SHORT LEFT TACK                                |
| U+02ADF |  | <code>\shortdowntack</code> | SHORT DOWN TACK                                |
| U+02AE0 |  | <code>\shortuptack</code>   | SHORT UP TACK                                  |
| U+02AE2 |  | <code>\vDdash</code>        | VERTICAL BAR TRIPLE RIGHT TURNSTILE            |
| U+02AE3 |  | <code>\dashV</code>         | DOUBLE VERTICAL BAR LEFT TURNSTILE             |
| U+02AE4 |  | <code>\Dashv</code>         | VERTICAL BAR DOUBLE LEFT TURNSTILE             |
| U+02AE5 |  | <code>\DashV</code>         | DOUBLE VERTICAL BAR DOUBLE LEFT TURNSTILE      |
| U+02AE6 |  | <code>\varVdash</code>      | LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL  |
| U+02AE7 |  | <code>\Barv</code>          | SHORT DOWN TACK WITH OVERBAR                   |
| U+02AE8 |  | <code>\vBar</code>          | SHORT UP TACK WITH UNDERBAR                    |
| U+02AE9 |  | <code>\vBarv</code>         | SHORT UP TACK ABOVE SHORT DOWN TACK            |
| 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>\circmid</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>\circleleftarrow</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                           |
| U+02B38 |    | <code>\leftdotarrow</code>           | LEFTWARDS ARROW WITH DOTTED STEM                                 |
| U+02B39 |    | <code>\nvleftarrowtail</code>        | LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE                   |
| U+02B3A |    | <code>\nVleftarrowtail</code>        | LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE            |
| U+02B3B |    | <code>\twoheadleftarrowtail</code>   | LEFTWARDS TWO-HEADED ARROW WITH TAIL                             |
| U+02B3C |    | <code>\nvtwoheadleftarrowtail</code> | LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE        |
| U+02B3D |    | <code>\nVtwoheadleftarrowtail</code> | LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE |
| U+02B3E |    | <code>\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 LESS-THAN                               |
| U+02B44 |  | <code>\rightarrowsupset</code>       | RIGHTWARDS ARROW THROUGH SUBSET                                  |
| U+02B45 |  | <code>\Lleftarrow</code>             | LEFTWARDS QUADRUPLE ARROW  |
| U+02B46 |  | <code>\Rrightarrow</code>            | RIGHTWARDS QUADRUPLE ARROW                                       |
| U+02B47 |  | <code>\bsimilarrightarrow</code>     | REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW                    |
| U+02B48 |  | <code>\rightarrowbackapprox</code>   | RIGHTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO                   |
| U+02B49 |  | <code>\similarleftarrow</code>       | TILDE OPERATOR ABOVE LEFTWARDS ARROW                             |
| U+02B4A |  | <code>\leftarrowapprox</code>        | LEFTWARDS ARROW ABOVE ALMOST EQUAL TO                            |
| U+02B4B |  | <code>\leftarrowbsimilar</code>      | LEFTWARDS ARROW ABOVE REVERSE TILDE OPERATOR                     |
| U+02B4C |  | <code>\rightarrowbsimilar</code>     | RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR                    |

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## 10 Alphabetical symbols, `\mathalpha`

| USV     | Ex. | Macro                    | Description                        |
|---------|-----|--------------------------|------------------------------------|
| U+0002E | .   | <code>\period</code>     | FULL STOP, PERIOD                  |
| U+000F0 | ø   | <code>\matheth</code>    | ETH                                |
| U+00391 | Α   | <code>\upAlpha</code>    | CAPITAL ALPHA, GREEK               |
| U+00392 | Β   | <code>\upBeta</code>     | CAPITAL BETA, GREEK                |
| U+00393 | Γ   | <code>\upGamma</code>    | CAPITAL GAMMA, GREEK               |
| U+00394 | Δ   | <code>\upDelta</code>    | CAPITAL DELTA, GREEK               |
| U+00395 | Ε   | <code>\upEpsilon</code>  | CAPITAL EPSILON, GREEK             |
| U+00396 | Ζ   | <code>\upZeta</code>     | CAPITAL ZETA, GREEK                |
| U+00397 | Η   | <code>\upEta</code>      | CAPITAL ETA, GREEK                 |
| U+00398 | Θ   | <code>\upTheta</code>    | CAPITAL THETA, GREEK               |
| U+00399 | Ι   | <code>\upIota</code>     | CAPITAL IOTA, GREEK                |
| U+0039A | Κ   | <code>\upKappa</code>    | CAPITAL KAPPA, GREEK               |
| U+0039B | Λ   | <code>\upLambda</code>   | CAPITAL LAMBDA, GREEK              |
| U+0039C | Μ   | <code>\upMu</code>       | CAPITAL MU, GREEK                  |
| U+0039D | Ν   | <code>\upNu</code>       | CAPITAL NU, GREEK                  |
| U+0039E | Ξ   | <code>\upXi</code>       | CAPITAL XI, GREEK                  |
| U+0039F | Ο   | <code>\upOmicron</code>  | CAPITAL OMICRON, GREEK             |
| U+003A0 | Π   | <code>\upPi</code>       | CAPITAL PI, GREEK                  |
| U+003A1 | Ρ   | <code>\upRho</code>      | CAPITAL RHO, GREEK                 |
| U+003A3 | Σ   | <code>\upSigma</code>    | CAPITAL SIGMA, GREEK               |
| U+003A4 | Τ   | <code>\upTau</code>      | CAPITAL TAU, GREEK                 |
| U+003A5 | Υ   | <code>\upUpsilon</code>  | CAPITAL UPSILON, GREEK             |
| U+003A6 | Φ   | <code>\upPhi</code>      | CAPITAL PHI, GREEK                 |
| U+003A7 | Χ   | <code>\upChi</code>      | CAPITAL CHI, GREEK                 |
| U+003A8 | Ψ   | <code>\upPsi</code>      | CAPITAL PSI, GREEK                 |
| U+003A9 | Ω   | <code>\upOmega</code>    | CAPITAL OMEGA, GREEK               |
| U+003B1 | α   | <code>\upalpha</code>    | SMALL ALPHA, GREEK                 |
| U+003B2 | β   | <code>\upbeta</code>     | SMALL BETA, GREEK                  |
| U+003B3 | γ   | <code>\upgamma</code>    | SMALL GAMMA, GREEK                 |
| U+003B4 | δ   | <code>\updelta</code>    | SMALL DELTA, GREEK                 |
| U+003B5 | ε   | <code>\upepsilon</code>  | ROUNDED SMALL EPSILON, GREEK       |
| U+003B6 | ζ   | <code>\upzeta</code>     | SMALL ZETA, GREEK                  |
| U+003B7 | η   | <code>\upeta</code>      | SMALL ETA, GREEK                   |
| U+003B8 | θ   | <code>\uptheta</code>    | STRAIGHT THETA, SMALL THETA, GREEK |
| U+003B9 | ι   | <code>\upiota</code>     | SMALL IOTA, GREEK                  |
| U+003BA | κ   | <code>\upkappa</code>    | SMALL KAPPA, GREEK                 |
| U+003BB | λ   | <code>\uplambda</code>   | SMALL LAMBDA, GREEK                |
| U+003BC | μ   | <code>\upmu</code>       | SMALL MU, GREEK                    |
| U+003BD | ν   | <code>\upnu</code>       | SMALL NU, GREEK                    |
| U+003BE | ξ   | <code>\upxi</code>       | SMALL XI, GREEK                    |
| U+003BF | ο   | <code>\upomicron</code>  | SMALL OMICRON, GREEK               |
| U+003C0 | π   | <code>\uppi</code>       | SMALL PI, GREEK                    |
| U+003C1 | ρ   | <code>\uprho</code>      | SMALL RHO, GREEK                   |
| U+003C2 | ς   | <code>\upvarsigma</code> | TERMINAL SIGMA, GREEK              |
| U+003C3 | σ   | <code>\upsigma</code>    | SMALL SIGMA, GREEK                 |
| U+003C4 | τ   | <code>\uptau</code>      | SMALL TAU, GREEK                   |
| U+003C5 | υ   | <code>\upupsilon</code>  | SMALL UPSILON, GREEK               |

|         |             |                            |                                       |
|---------|-------------|----------------------------|---------------------------------------|
| U+003C6 | $\varphi$   | <code>\upvarphi</code>     | CURLY OR OPEN SMALL PHI, GREEK        |
| U+003C7 | $\chi$      | <code>\upchi</code>        | SMALL CHI, GREEK                      |
| U+003C8 | $\psi$      | <code>\uppsi</code>        | SMALL PSI, GREEK                      |
| U+003C9 | $\omega$    | <code>\upomega</code>      | SMALL OMEGA, GREEK                    |
| U+003D0 | $\beta$     | <code>\upvarbeta</code>    | ROUNDED SMALL BETA, GREEK             |
| U+003D1 | $\theta$    | <code>\upvartheta</code>   | /VARTHETA - CURLY OR OPEN THETA       |
| U+003D2 | $\Upsilon$  | <code>\upUpsilon</code>    | GREEK UPSILON WITH HOOK SYMBOL        |
| U+003D5 | $\phi$      | <code>\upphi</code>        | /STRAIGHTPHI - SMALL PHI, GREEK       |
| U+003D6 | $\pi$       | <code>\upvarpi</code>      | ROUNDED SMALL PI (POMEGA), GREEK      |
| U+003DA | $\Sigma$    | <code>\upSigma</code>      | CAPITAL STIGMA                        |
| U+003DB | $\varsigma$ | <code>\upstigma</code>     | GREEK SMALL LETTER STIGMA             |
| U+003DC | $\Phi$      | <code>\upDigamma</code>    | CAPITAL DIGAMMA                       |
| U+003DD | $\phi$      | <code>\updigamma</code>    | OLD GREEK SMALL LETTER DIGAMMA        |
| U+003DE | $\text{Ϝ}$  | <code>\upKoppa</code>      | CAPITAL KOPPA                         |
| U+003DF | $\text{ϝ}$  | <code>\upkoppa</code>      | GREEK SMALL LETTER KOPPA              |
| U+003E0 | $\text{Ϟ}$  | <code>\upSampi</code>      | CAPITAL SAMPI                         |
| U+003E1 | $\text{ϟ}$  | <code>\upsampi</code>      | GREEK SMALL LETTER SAMPI              |
| U+003F0 | $\text{Ϡ}$  | <code>\upvarkappa</code>   | ROUNDED SMALL KAPPA, GREEK            |
| U+003F1 | $\text{ϡ}$  | <code>\upvarrho</code>     | ROUNDED SMALL RHO, GREEK              |
| U+003F4 | $\Theta$    | <code>\upvarTheta</code>   | GREEK CAPITAL THETA SYMBOL            |
| U+003F5 | $\epsilon$  | <code>\upvarepsilon</code> | GREEK LUNATE EPSILON SYMBOL           |
| U+02102 | $\text{C}$  | <code>\BbbC</code>         | /BBB C, OPEN FACE C                   |
| U+0210A | $\text{G}$  | <code>\mscrG</code>        | /SCR G, SCRIPT LETTER G               |
| U+0210B | $\text{H}$  | <code>\mscrH</code>        | HAMILTONIAN (SCRIPT CAPITAL H)        |
| U+0210C | $\text{H}$  | <code>\mfracH</code>       | /FRAK H, UPPER CASE H                 |
| U+0210D | $\text{H}$  | <code>\BbbH</code>         | /BBB H, OPEN FACE H                   |
| U+0210F | $\text{h}$  | <code>\hslash</code>       | /HSLASH - VARIANT PLANCK'S OVER 2PI   |
| U+02110 | $\text{I}$  | <code>\mscrI</code>        | /SCR I, SCRIPT LETTER I               |
| U+02111 | $\text{I}$  | <code>\Im</code>           | IMAGINARY PART                        |
| U+02112 | $\text{L}$  | <code>\mscrL</code>        | LAGRANGIAN (SCRIPT CAPITAL L)         |
| U+02113 | $\text{l}$  | <code>\ell</code>          | CURSIVE SMALL L                       |
| U+02115 | $\text{N}$  | <code>\BbbN</code>         | /BBB N, OPEN FACE N                   |
| U+02118 | $\text{P}$  | <code>\wp</code>           | WEIERSTRASS P                         |
| U+02119 | $\text{P}$  | <code>\BbbP</code>         | /BBB P, OPEN FACE P                   |
| U+0211A | $\text{Q}$  | <code>\BbbQ</code>         | /BBB Q, OPEN FACE Q                   |
| U+0211B | $\text{R}$  | <code>\mscrR</code>        | /SCR R, SCRIPT LETTER R               |
| U+0211C | $\text{R}$  | <code>\Re</code>           | REAL PART                             |
| U+0211D | $\text{R}$  | <code>\BbbR</code>         | /BBB R, OPEN FACE R                   |
| U+02124 | $\text{Z}$  | <code>\BbbZ</code>         | /BBB Z, OPEN FACE Z                   |
| U+02128 | $\text{Z}$  | <code>\mfracZ</code>       | /FRAK Z, UPPER CASE Z                 |
| U+02129 | $\text{i}$  | <code>\turnediota</code>   | TURNUED IOTA                          |
| U+0212B | $\text{Å}$  | <code>\Angstrom</code>     | ANGSTROM CAPITAL A, RING              |
| U+0212C | $\text{B}$  | <code>\mscrB</code>        | BERNOULLI FUNCTION (SCRIPT CAPITAL B) |
| U+0212D | $\text{C}$  | <code>\mfracC</code>       | BLACK-LETTER CAPITAL C                |
| U+0212F | $\text{e}$  | <code>\mscre</code>        | /SCR E, SCRIPT LETTER E               |
| U+02130 | $\text{E}$  | <code>\mscrE</code>        | /SCR E, SCRIPT LETTER E               |
| U+02131 | $\text{F}$  | <code>\mscrF</code>        | /SCR F, SCRIPT LETTER F               |
| U+02133 | $\text{M}$  | <code>\mscrM</code>        | PHYSICS M-MATRIX (SCRIPT CAPITAL M)   |
| U+02134 | $\text{o}$  | <code>\mscro</code>        | ORDER OF (SCRIPT SMALL O)             |
| U+02135 | $\text{א}$  | <code>\aleph</code>        | ALEPH, HEBREW                         |
| U+02136 | $\text{ב}$  | <code>\beth</code>         | BETH, HEBREW                          |
| U+02137 | $\text{ג}$  | <code>\gimel</code>        | GIMEL, HEBREW                         |

|         |          |           |                             |
|---------|----------|-----------|-----------------------------|
| U+02138 | <b>᳚</b> | \daleth   | DALETH, HEBREW              |
| U+0213D | <b>Ƴ</b> | \Bbbgamma | DOUBLE-STRUCK SMALL GAMMA   |
| U+0213E | <b>ƴ</b> | \BbbGamma | DOUBLE-STRUCK CAPITAL GAMMA |
| U+0213F | <b>Ƶ</b> | \BbbPi    | DOUBLE-STRUCK CAPITAL PI    |
| U+1D400 | <b>A</b> | \mbfA     | MATHEMATICAL BOLD CAPITAL A |
| U+1D401 | <b>B</b> | \mbfB     | MATHEMATICAL BOLD CAPITAL B |
| U+1D402 | <b>C</b> | \mbfC     | MATHEMATICAL BOLD CAPITAL C |
| U+1D403 | <b>D</b> | \mbfD     | MATHEMATICAL BOLD CAPITAL D |
| U+1D404 | <b>E</b> | \mbfE     | MATHEMATICAL BOLD CAPITAL E |
| U+1D405 | <b>F</b> | \mbfF     | MATHEMATICAL BOLD CAPITAL F |
| U+1D406 | <b>G</b> | \mbfG     | MATHEMATICAL BOLD CAPITAL G |
| U+1D407 | <b>H</b> | \mbfH     | MATHEMATICAL BOLD CAPITAL H |
| U+1D408 | <b>I</b> | \mbfI     | MATHEMATICAL BOLD CAPITAL I |
| U+1D409 | <b>J</b> | \mbfJ     | MATHEMATICAL BOLD CAPITAL J |
| U+1D40A | <b>K</b> | \mbfK     | MATHEMATICAL BOLD CAPITAL K |
| U+1D40B | <b>L</b> | \mbfL     | MATHEMATICAL BOLD CAPITAL L |
| U+1D40C | <b>M</b> | \mbfM     | MATHEMATICAL BOLD CAPITAL M |
| U+1D40D | <b>N</b> | \mbfN     | MATHEMATICAL BOLD CAPITAL N |
| U+1D40E | <b>O</b> | \mbfO     | MATHEMATICAL BOLD CAPITAL O |
| U+1D40F | <b>P</b> | \mbfP     | MATHEMATICAL BOLD CAPITAL P |
| U+1D410 | <b>Q</b> | \mbfQ     | MATHEMATICAL BOLD CAPITAL Q |
| U+1D411 | <b>R</b> | \mbfR     | MATHEMATICAL BOLD CAPITAL R |
| U+1D412 | <b>S</b> | \mbfS     | MATHEMATICAL BOLD CAPITAL S |
| U+1D413 | <b>T</b> | \mbfT     | MATHEMATICAL BOLD CAPITAL T |
| U+1D414 | <b>U</b> | \mbfU     | MATHEMATICAL BOLD CAPITAL U |
| U+1D415 | <b>V</b> | \mbfV     | MATHEMATICAL BOLD CAPITAL V |
| U+1D416 | <b>W</b> | \mbfW     | MATHEMATICAL BOLD CAPITAL W |
| U+1D417 | <b>X</b> | \mbfX     | MATHEMATICAL BOLD CAPITAL X |
| U+1D418 | <b>Y</b> | \mbfY     | MATHEMATICAL BOLD CAPITAL Y |
| U+1D419 | <b>Z</b> | \mbfZ     | MATHEMATICAL BOLD CAPITAL Z |
| U+1D41A | <b>a</b> | \mbfa     | MATHEMATICAL BOLD SMALL A   |
| U+1D41B | <b>b</b> | \mbfb     | MATHEMATICAL BOLD SMALL B   |
| U+1D41C | <b>c</b> | \mbfc     | MATHEMATICAL BOLD SMALL C   |
| U+1D41D | <b>d</b> | \mbfd     | MATHEMATICAL BOLD SMALL D   |
| U+1D41E | <b>e</b> | \mbfe     | MATHEMATICAL BOLD SMALL E   |
| U+1D41F | <b>f</b> | \mbff     | MATHEMATICAL BOLD SMALL F   |
| U+1D420 | <b>g</b> | \mbfg     | MATHEMATICAL BOLD SMALL G   |
| U+1D421 | <b>h</b> | \mbfh     | MATHEMATICAL BOLD SMALL H   |
| U+1D422 | <b>i</b> | \mbfi     | MATHEMATICAL BOLD SMALL I   |
| U+1D423 | <b>j</b> | \mbfj     | MATHEMATICAL BOLD SMALL J   |
| U+1D424 | <b>k</b> | \mbfk     | MATHEMATICAL BOLD SMALL K   |
| U+1D425 | <b>l</b> | \mbfl     | MATHEMATICAL BOLD SMALL L   |
| U+1D426 | <b>m</b> | \mbfm     | MATHEMATICAL BOLD SMALL M   |
| U+1D427 | <b>n</b> | \mbfn     | MATHEMATICAL BOLD SMALL N   |
| U+1D428 | <b>o</b> | \mbfo     | MATHEMATICAL BOLD SMALL O   |
| U+1D429 | <b>p</b> | \mbfp     | MATHEMATICAL BOLD SMALL P   |
| U+1D42A | <b>q</b> | \mbfq     | MATHEMATICAL BOLD SMALL Q   |
| U+1D42B | <b>r</b> | \mbfr     | MATHEMATICAL BOLD SMALL R   |
| U+1D42C | <b>s</b> | \mbfs     | MATHEMATICAL BOLD SMALL S   |
| U+1D42D | <b>t</b> | \mbft     | MATHEMATICAL BOLD SMALL T   |
| U+1D42E | <b>u</b> | \mbfu     | MATHEMATICAL BOLD SMALL U   |
| U+1D42F | <b>v</b> | \mbfv     | MATHEMATICAL BOLD SMALL V   |

|         |          |       |                               |
|---------|----------|-------|-------------------------------|
| U+1D430 | <b>w</b> | \mbfw | MATHEMATICAL BOLD SMALL W     |
| U+1D431 | <b>x</b> | \mbfx | MATHEMATICAL BOLD SMALL X     |
| U+1D432 | <b>y</b> | \mbfy | MATHEMATICAL BOLD SMALL Y     |
| U+1D433 | <b>z</b> | \mbfz | MATHEMATICAL BOLD SMALL Z     |
| U+1D434 | <b>A</b> | \mitA | MATHEMATICAL ITALIC CAPITAL A |
| U+1D435 | <b>B</b> | \mitB | MATHEMATICAL ITALIC CAPITAL B |
| U+1D436 | <b>C</b> | \mitC | MATHEMATICAL ITALIC CAPITAL C |
| U+1D437 | <b>D</b> | \mitD | MATHEMATICAL ITALIC CAPITAL D |
| U+1D438 | <b>E</b> | \mitE | MATHEMATICAL ITALIC CAPITAL E |
| U+1D439 | <b>F</b> | \mitF | MATHEMATICAL ITALIC CAPITAL F |
| U+1D43A | <b>G</b> | \mitG | MATHEMATICAL ITALIC CAPITAL G |
| U+1D43B | <b>H</b> | \mitH | MATHEMATICAL ITALIC CAPITAL H |
| U+1D43C | <b>I</b> | \mitI | MATHEMATICAL ITALIC CAPITAL I |
| U+1D43D | <b>J</b> | \mitJ | MATHEMATICAL ITALIC CAPITAL J |
| U+1D43E | <b>K</b> | \mitK | MATHEMATICAL ITALIC CAPITAL K |
| U+1D43F | <b>L</b> | \mitL | MATHEMATICAL ITALIC CAPITAL L |
| U+1D440 | <b>M</b> | \mitM | MATHEMATICAL ITALIC CAPITAL M |
| U+1D441 | <b>N</b> | \mitN | MATHEMATICAL ITALIC CAPITAL N |
| U+1D442 | <b>O</b> | \mitO | MATHEMATICAL ITALIC CAPITAL O |
| U+1D443 | <b>P</b> | \mitP | MATHEMATICAL ITALIC CAPITAL P |
| U+1D444 | <b>Q</b> | \mitQ | MATHEMATICAL ITALIC CAPITAL Q |
| U+1D445 | <b>R</b> | \mitR | MATHEMATICAL ITALIC CAPITAL R |
| U+1D446 | <b>S</b> | \mitS | MATHEMATICAL ITALIC CAPITAL S |
| U+1D447 | <b>T</b> | \mitT | MATHEMATICAL ITALIC CAPITAL T |
| U+1D448 | <b>U</b> | \mitU | MATHEMATICAL ITALIC CAPITAL U |
| U+1D449 | <b>V</b> | \mitV | MATHEMATICAL ITALIC CAPITAL V |
| U+1D44A | <b>W</b> | \mitW | MATHEMATICAL ITALIC CAPITAL W |
| U+1D44B | <b>X</b> | \mitX | MATHEMATICAL ITALIC CAPITAL X |
| U+1D44C | <b>Y</b> | \mitY | MATHEMATICAL ITALIC CAPITAL Y |
| U+1D44D | <b>Z</b> | \mitZ | MATHEMATICAL ITALIC CAPITAL Z |
| U+1D44E | <b>a</b> | \mita | MATHEMATICAL ITALIC SMALL A   |
| U+1D44F | <b>b</b> | \mitb | MATHEMATICAL ITALIC SMALL B   |
| U+1D450 | <b>c</b> | \mitc | MATHEMATICAL ITALIC SMALL C   |
| U+1D451 | <b>d</b> | \mitd | MATHEMATICAL ITALIC SMALL D   |
| U+1D452 | <b>e</b> | \mite | MATHEMATICAL ITALIC SMALL E   |
| U+1D453 | <b>f</b> | \mitf | MATHEMATICAL ITALIC SMALL F   |
| U+1D454 | <b>g</b> | \mitg | MATHEMATICAL ITALIC SMALL G   |
| U+1D456 | <b>i</b> | \miti | MATHEMATICAL ITALIC SMALL I   |
| U+1D457 | <b>j</b> | \mitj | MATHEMATICAL ITALIC SMALL J   |
| U+1D458 | <b>k</b> | \mitk | MATHEMATICAL ITALIC SMALL K   |
| U+1D459 | <b>l</b> | \mitl | MATHEMATICAL ITALIC SMALL L   |
| U+1D45A | <b>m</b> | \mitm | MATHEMATICAL ITALIC SMALL M   |
| U+1D45B | <b>n</b> | \mitn | MATHEMATICAL ITALIC SMALL N   |
| U+1D45C | <b>o</b> | \mito | MATHEMATICAL ITALIC SMALL O   |
| U+1D45D | <b>p</b> | \mitp | MATHEMATICAL ITALIC SMALL P   |
| U+1D45E | <b>q</b> | \mitq | MATHEMATICAL ITALIC SMALL Q   |
| U+1D45F | <b>r</b> | \mitr | MATHEMATICAL ITALIC SMALL R   |
| U+1D460 | <b>s</b> | \mits | MATHEMATICAL ITALIC SMALL S   |
| U+1D461 | <b>t</b> | \mitt | MATHEMATICAL ITALIC SMALL T   |
| U+1D462 | <b>u</b> | \mitu | MATHEMATICAL ITALIC SMALL U   |
| U+1D463 | <b>v</b> | \mitv | MATHEMATICAL ITALIC SMALL V   |
| U+1D464 | <b>w</b> | \mitw | MATHEMATICAL ITALIC SMALL W   |

|         |          |                      |                                    |
|---------|----------|----------------------|------------------------------------|
| U+1D465 | <b>x</b> | <code>\mitx</code>   | MATHEMATICAL ITALIC SMALL X        |
| U+1D466 | <b>y</b> | <code>\mity</code>   | MATHEMATICAL ITALIC SMALL Y        |
| U+1D467 | <b>z</b> | <code>\mitz</code>   | MATHEMATICAL ITALIC SMALL Z        |
| U+1D468 | <b>A</b> | <code>\mbfitA</code> | MATHEMATICAL BOLD ITALIC CAPITAL A |
| U+1D469 | <b>B</b> | <code>\mbfitB</code> | MATHEMATICAL BOLD ITALIC CAPITAL B |
| U+1D46A | <b>C</b> | <code>\mbfitC</code> | MATHEMATICAL BOLD ITALIC CAPITAL C |
| U+1D46B | <b>D</b> | <code>\mbfitD</code> | MATHEMATICAL BOLD ITALIC CAPITAL D |
| U+1D46C | <b>E</b> | <code>\mbfitE</code> | MATHEMATICAL BOLD ITALIC CAPITAL E |
| U+1D46D | <b>F</b> | <code>\mbfitF</code> | MATHEMATICAL BOLD ITALIC CAPITAL F |
| U+1D46E | <b>G</b> | <code>\mbfitG</code> | MATHEMATICAL BOLD ITALIC CAPITAL G |
| U+1D46F | <b>H</b> | <code>\mbfitH</code> | MATHEMATICAL BOLD ITALIC CAPITAL H |
| U+1D470 | <b>I</b> | <code>\mbfitI</code> | MATHEMATICAL BOLD ITALIC CAPITAL I |
| U+1D471 | <b>J</b> | <code>\mbfitJ</code> | MATHEMATICAL BOLD ITALIC CAPITAL J |
| U+1D472 | <b>K</b> | <code>\mbfitK</code> | MATHEMATICAL BOLD ITALIC CAPITAL K |
| U+1D473 | <b>L</b> | <code>\mbfitL</code> | MATHEMATICAL BOLD ITALIC CAPITAL L |
| U+1D474 | <b>M</b> | <code>\mbfitM</code> | MATHEMATICAL BOLD ITALIC CAPITAL M |
| U+1D475 | <b>N</b> | <code>\mbfitN</code> | MATHEMATICAL BOLD ITALIC CAPITAL N |
| U+1D476 | <b>O</b> | <code>\mbfitO</code> | MATHEMATICAL BOLD ITALIC CAPITAL O |
| U+1D477 | <b>P</b> | <code>\mbfitP</code> | MATHEMATICAL BOLD ITALIC CAPITAL P |
| U+1D478 | <b>Q</b> | <code>\mbfitQ</code> | MATHEMATICAL BOLD ITALIC CAPITAL Q |
| U+1D479 | <b>R</b> | <code>\mbfitR</code> | MATHEMATICAL BOLD ITALIC CAPITAL R |
| U+1D47A | <b>S</b> | <code>\mbfitS</code> | MATHEMATICAL BOLD ITALIC CAPITAL S |
| U+1D47B | <b>T</b> | <code>\mbfitT</code> | MATHEMATICAL BOLD ITALIC CAPITAL T |
| U+1D47C | <b>U</b> | <code>\mbfitU</code> | MATHEMATICAL BOLD ITALIC CAPITAL U |
| U+1D47D | <b>V</b> | <code>\mbfitV</code> | MATHEMATICAL BOLD ITALIC CAPITAL V |
| U+1D47E | <b>W</b> | <code>\mbfitW</code> | MATHEMATICAL BOLD ITALIC CAPITAL W |
| U+1D47F | <b>X</b> | <code>\mbfitX</code> | MATHEMATICAL BOLD ITALIC CAPITAL X |
| U+1D480 | <b>Y</b> | <code>\mbfitY</code> | MATHEMATICAL BOLD ITALIC CAPITAL Y |
| U+1D481 | <b>Z</b> | <code>\mbfitZ</code> | MATHEMATICAL BOLD ITALIC CAPITAL Z |
| U+1D482 | <b>a</b> | <code>\mbfita</code> | MATHEMATICAL BOLD ITALIC SMALL A   |
| U+1D483 | <b>b</b> | <code>\mbfitb</code> | MATHEMATICAL BOLD ITALIC SMALL B   |
| U+1D484 | <b>c</b> | <code>\mbfitc</code> | MATHEMATICAL BOLD ITALIC SMALL C   |
| U+1D485 | <b>d</b> | <code>\mbfitd</code> | MATHEMATICAL BOLD ITALIC SMALL D   |
| U+1D486 | <b>e</b> | <code>\mbfite</code> | MATHEMATICAL BOLD ITALIC SMALL E   |
| U+1D487 | <b>f</b> | <code>\mbfitf</code> | MATHEMATICAL BOLD ITALIC SMALL F   |
| U+1D488 | <b>g</b> | <code>\mbfitg</code> | MATHEMATICAL BOLD ITALIC SMALL G   |
| U+1D489 | <b>h</b> | <code>\mbfith</code> | MATHEMATICAL BOLD ITALIC SMALL H   |
| U+1D48A | <b>i</b> | <code>\mbfiti</code> | MATHEMATICAL BOLD ITALIC SMALL I   |
| U+1D48B | <b>j</b> | <code>\mbfitj</code> | MATHEMATICAL BOLD ITALIC SMALL J   |
| U+1D48C | <b>k</b> | <code>\mbfitk</code> | MATHEMATICAL BOLD ITALIC SMALL K   |
| U+1D48D | <b>l</b> | <code>\mbfitl</code> | MATHEMATICAL BOLD ITALIC SMALL L   |
| U+1D48E | <b>m</b> | <code>\mbfitm</code> | MATHEMATICAL BOLD ITALIC SMALL M   |
| U+1D48F | <b>n</b> | <code>\mbfitn</code> | MATHEMATICAL BOLD ITALIC SMALL N   |
| U+1D490 | <b>o</b> | <code>\mbfito</code> | MATHEMATICAL BOLD ITALIC SMALL O   |
| U+1D491 | <b>p</b> | <code>\mbfitp</code> | MATHEMATICAL BOLD ITALIC SMALL P   |
| U+1D492 | <b>q</b> | <code>\mbfitq</code> | MATHEMATICAL BOLD ITALIC SMALL Q   |
| U+1D493 | <b>r</b> | <code>\mbfitr</code> | MATHEMATICAL BOLD ITALIC SMALL R   |
| U+1D494 | <b>s</b> | <code>\mbfits</code> | MATHEMATICAL BOLD ITALIC SMALL S   |
| U+1D495 | <b>t</b> | <code>\mbfitt</code> | MATHEMATICAL BOLD ITALIC SMALL T   |
| U+1D496 | <b>u</b> | <code>\mbfitu</code> | MATHEMATICAL BOLD ITALIC SMALL U   |
| U+1D497 | <b>v</b> | <code>\mbfitv</code> | MATHEMATICAL BOLD ITALIC SMALL V   |
| U+1D498 | <b>w</b> | <code>\mbfitw</code> | MATHEMATICAL BOLD ITALIC SMALL W   |

|         |                 |                       |                                    |
|---------|-----------------|-----------------------|------------------------------------|
| U+1D499 | <b><i>x</i></b> | <code>\mbfitx</code>  | MATHEMATICAL BOLD ITALIC SMALL X   |
| U+1D49A | <b><i>y</i></b> | <code>\mbfity</code>  | MATHEMATICAL BOLD ITALIC SMALL Y   |
| U+1D49B | <b><i>z</i></b> | <code>\mbfitz</code>  | MATHEMATICAL BOLD ITALIC SMALL Z   |
| U+1D49C | <i>A</i>        | <code>\mscrA</code>   | MATHEMATICAL SCRIPT CAPITAL A      |
| U+1D49E | <i>C</i>        | <code>\mscrC</code>   | MATHEMATICAL SCRIPT CAPITAL C      |
| U+1D49F | <i>D</i>        | <code>\mscrD</code>   | MATHEMATICAL SCRIPT CAPITAL D      |
| U+1D4A2 | <i>G</i>        | <code>\mscrG</code>   | MATHEMATICAL SCRIPT CAPITAL G      |
| U+1D4A5 | <i>J</i>        | <code>\mscrJ</code>   | MATHEMATICAL SCRIPT CAPITAL J      |
| U+1D4A6 | <i>K</i>        | <code>\mscrK</code>   | MATHEMATICAL SCRIPT CAPITAL K      |
| U+1D4A9 | <i>N</i>        | <code>\mscrN</code>   | MATHEMATICAL SCRIPT CAPITAL N      |
| U+1D4AA | <i>O</i>        | <code>\mscrO</code>   | MATHEMATICAL SCRIPT CAPITAL O      |
| U+1D4AB | <i>P</i>        | <code>\mscrP</code>   | MATHEMATICAL SCRIPT CAPITAL P      |
| U+1D4AC | <i>Q</i>        | <code>\mscrQ</code>   | MATHEMATICAL SCRIPT CAPITAL Q      |
| U+1D4AE | <i>S</i>        | <code>\mscrS</code>   | MATHEMATICAL SCRIPT CAPITAL S      |
| U+1D4AF | <i>T</i>        | <code>\mscrT</code>   | MATHEMATICAL SCRIPT CAPITAL T      |
| U+1D4B0 | <i>U</i>        | <code>\mscrU</code>   | MATHEMATICAL SCRIPT CAPITAL U      |
| U+1D4B1 | <i>V</i>        | <code>\mscrV</code>   | MATHEMATICAL SCRIPT CAPITAL V      |
| U+1D4B2 | <i>W</i>        | <code>\mscrW</code>   | MATHEMATICAL SCRIPT CAPITAL W      |
| U+1D4B3 | <i>X</i>        | <code>\mscrX</code>   | MATHEMATICAL SCRIPT CAPITAL X      |
| U+1D4B4 | <i>Y</i>        | <code>\mscrY</code>   | MATHEMATICAL SCRIPT CAPITAL Y      |
| U+1D4B5 | <i>Z</i>        | <code>\mscrZ</code>   | MATHEMATICAL SCRIPT CAPITAL Z      |
| U+1D4B6 | <i>a</i>        | <code>\mscra</code>   | MATHEMATICAL SCRIPT SMALL A        |
| U+1D4B7 | <i>b</i>        | <code>\mscrb</code>   | MATHEMATICAL SCRIPT SMALL B        |
| U+1D4B8 | <i>c</i>        | <code>\mscra</code>   | MATHEMATICAL SCRIPT SMALL C        |
| U+1D4B9 | <i>d</i>        | <code>\mscrd</code>   | MATHEMATICAL SCRIPT SMALL D        |
| U+1D4BB | <i>f</i>        | <code>\mscrf</code>   | MATHEMATICAL SCRIPT SMALL F        |
| U+1D4BD | <i>h</i>        | <code>\mscrh</code>   | MATHEMATICAL SCRIPT SMALL H        |
| U+1D4BE | <i>i</i>        | <code>\mscri</code>   | MATHEMATICAL SCRIPT SMALL I        |
| U+1D4BF | <i>j</i>        | <code>\mscrj</code>   | MATHEMATICAL SCRIPT SMALL J        |
| U+1D4C0 | <i>k</i>        | <code>\mscrk</code>   | MATHEMATICAL SCRIPT SMALL K        |
| U+1D4C1 | <i>l</i>        | <code>\mscrl</code>   | MATHEMATICAL SCRIPT SMALL L        |
| U+1D4C2 | <i>m</i>        | <code>\mscrm</code>   | MATHEMATICAL SCRIPT SMALL M        |
| U+1D4C3 | <i>n</i>        | <code>\mscrn</code>   | MATHEMATICAL SCRIPT SMALL N        |
| U+1D4C5 | <i>p</i>        | <code>\mscrp</code>   | MATHEMATICAL SCRIPT SMALL P        |
| U+1D4C6 | <i>q</i>        | <code>\mscrq</code>   | MATHEMATICAL SCRIPT SMALL Q        |
| U+1D4C7 | <i>r</i>        | <code>\mscrr</code>   | MATHEMATICAL SCRIPT SMALL R        |
| U+1D4C8 | <i>s</i>        | <code>\mscrs</code>   | MATHEMATICAL SCRIPT SMALL S        |
| U+1D4C9 | <i>t</i>        | <code>\mscrt</code>   | MATHEMATICAL SCRIPT SMALL T        |
| U+1D4CA | <i>u</i>        | <code>\mscru</code>   | MATHEMATICAL SCRIPT SMALL U        |
| U+1D4CB | <i>v</i>        | <code>\mscrv</code>   | MATHEMATICAL SCRIPT SMALL V        |
| U+1D4CC | <i>w</i>        | <code>\mscrw</code>   | MATHEMATICAL SCRIPT SMALL W        |
| U+1D4CD | <i>x</i>        | <code>\mscrx</code>   | MATHEMATICAL SCRIPT SMALL X        |
| U+1D4CE | <i>y</i>        | <code>\mscry</code>   | MATHEMATICAL SCRIPT SMALL Y        |
| U+1D4CF | <i>z</i>        | <code>\mscrz</code>   | MATHEMATICAL SCRIPT SMALL Z        |
| U+1D4D0 | <b><i>A</i></b> | <code>\mbfscrA</code> | MATHEMATICAL BOLD SCRIPT CAPITAL A |
| U+1D4D1 | <b><i>B</i></b> | <code>\mbfscrB</code> | MATHEMATICAL BOLD SCRIPT CAPITAL B |
| U+1D4D2 | <b><i>C</i></b> | <code>\mbfscrC</code> | MATHEMATICAL BOLD SCRIPT CAPITAL C |
| U+1D4D3 | <b><i>D</i></b> | <code>\mbfscrD</code> | MATHEMATICAL BOLD SCRIPT CAPITAL D |
| U+1D4D4 | <b><i>E</i></b> | <code>\mbfscrE</code> | MATHEMATICAL BOLD SCRIPT CAPITAL E |
| U+1D4D5 | <b><i>F</i></b> | <code>\mbfscrF</code> | MATHEMATICAL BOLD SCRIPT CAPITAL F |
| U+1D4D6 | <b><i>G</i></b> | <code>\mbfscrG</code> | MATHEMATICAL BOLD SCRIPT CAPITAL G |
| U+1D4D7 | <b><i>H</i></b> | <code>\mbfscrH</code> | MATHEMATICAL BOLD SCRIPT CAPITAL H |



|         |                 |           |                                    |
|---------|-----------------|-----------|------------------------------------|
| U+1D4D8 | <i><b>I</b></i> | \mbfscrI  | MATHEMATICAL BOLD SCRIPT CAPITAL I |
| U+1D4D9 | <i><b>J</b></i> | \mbfscrJ  | MATHEMATICAL BOLD SCRIPT CAPITAL J |
| U+1D4DA | <i><b>K</b></i> | \mbfscrK  | MATHEMATICAL BOLD SCRIPT CAPITAL K |
| U+1D4DB | <i><b>L</b></i> | \mbfscrL  | MATHEMATICAL BOLD SCRIPT CAPITAL L |
| U+1D4DC | <i><b>M</b></i> | \mbfscrM  | MATHEMATICAL BOLD SCRIPT CAPITAL M |
| U+1D4DD | <i><b>N</b></i> | \mbfscrN  | MATHEMATICAL BOLD SCRIPT CAPITAL N |
| U+1D4DE | <i><b>O</b></i> | \mbfscrO  | MATHEMATICAL BOLD SCRIPT CAPITAL O |
| U+1D4DF | <i><b>P</b></i> | \mbfscrP  | MATHEMATICAL BOLD SCRIPT CAPITAL P |
| U+1D4E0 | <i><b>Q</b></i> | \mbfscrQ  | MATHEMATICAL BOLD SCRIPT CAPITAL Q |
| U+1D4E1 | <i><b>R</b></i> | \mbfscrR  | MATHEMATICAL BOLD SCRIPT CAPITAL R |
| U+1D4E2 | <i><b>S</b></i> | \mbfscrS  | MATHEMATICAL BOLD SCRIPT CAPITAL S |
| U+1D4E3 | <i><b>T</b></i> | \mbfscrT  | MATHEMATICAL BOLD SCRIPT CAPITAL T |
| U+1D4E4 | <i><b>U</b></i> | \mbfscrU  | MATHEMATICAL BOLD SCRIPT CAPITAL U |
| U+1D4E5 | <i><b>V</b></i> | \mbfscrV  | MATHEMATICAL BOLD SCRIPT CAPITAL V |
| U+1D4E6 | <i><b>W</b></i> | \mbfscrW  | MATHEMATICAL BOLD SCRIPT CAPITAL W |
| U+1D4E7 | <i><b>X</b></i> | \mbfscrX  | MATHEMATICAL BOLD SCRIPT CAPITAL X |
| U+1D4E8 | <i><b>Y</b></i> | \mbfscrY  | MATHEMATICAL BOLD SCRIPT CAPITAL Y |
| U+1D4E9 | <i><b>Z</b></i> | \mbfscrZ  | MATHEMATICAL BOLD SCRIPT CAPITAL Z |
| U+1D4EA | <i><b>a</b></i> | \mbfscra  | MATHEMATICAL BOLD SCRIPT SMALL A   |
| U+1D4EB | <i><b>b</b></i> | \mbfscrb  | MATHEMATICAL BOLD SCRIPT SMALL B   |
| U+1D4EC | <i><b>c</b></i> | \mbfscrc  | MATHEMATICAL BOLD SCRIPT SMALL C   |
| U+1D4ED | <i><b>d</b></i> | \mbfscrd  | MATHEMATICAL BOLD SCRIPT SMALL D   |
| U+1D4EE | <i><b>e</b></i> | \mbfscree | MATHEMATICAL BOLD SCRIPT SMALL E   |
| U+1D4EF | <i><b>f</b></i> | \mbfscrf  | MATHEMATICAL BOLD SCRIPT SMALL F   |
| U+1D4F0 | <i><b>g</b></i> | \mbfscrg  | MATHEMATICAL BOLD SCRIPT SMALL G   |
| U+1D4F1 | <i><b>h</b></i> | \mbfscrh  | MATHEMATICAL BOLD SCRIPT SMALL H   |
| U+1D4F2 | <i><b>i</b></i> | \mbfscri  | MATHEMATICAL BOLD SCRIPT SMALL I   |
| U+1D4F3 | <i><b>j</b></i> | \mbfscrj  | MATHEMATICAL BOLD SCRIPT SMALL J   |
| U+1D4F4 | <i><b>k</b></i> | \mbfscrk  | MATHEMATICAL BOLD SCRIPT SMALL K   |
| U+1D4F5 | <i><b>l</b></i> | \mbfscrl  | MATHEMATICAL BOLD SCRIPT SMALL L   |
| U+1D4F6 | <i><b>m</b></i> | \mbfscrm  | MATHEMATICAL BOLD SCRIPT SMALL M   |
| U+1D4F7 | <i><b>n</b></i> | \mbfscrn  | MATHEMATICAL BOLD SCRIPT SMALL N   |
| U+1D4F8 | <i><b>o</b></i> | \mbfscro  | MATHEMATICAL BOLD SCRIPT SMALL O   |
| U+1D4F9 | <i><b>p</b></i> | \mbfscrp  | MATHEMATICAL BOLD SCRIPT SMALL P   |
| U+1D4FA | <i><b>q</b></i> | \mbfscrq  | MATHEMATICAL BOLD SCRIPT SMALL Q   |
| U+1D4FB | <i><b>r</b></i> | \mbfscrr  | MATHEMATICAL BOLD SCRIPT SMALL R   |
| U+1D4FC | <i><b>s</b></i> | \mbfscrs  | MATHEMATICAL BOLD SCRIPT SMALL S   |
| U+1D4FD | <i><b>t</b></i> | \mbfscrt  | MATHEMATICAL BOLD SCRIPT SMALL T   |
| U+1D4FE | <i><b>u</b></i> | \mbfscru  | MATHEMATICAL BOLD SCRIPT SMALL U   |
| U+1D4FF | <i><b>v</b></i> | \mbfscrV  | MATHEMATICAL BOLD SCRIPT SMALL V   |
| U+1D500 | <i><b>w</b></i> | \mbfscrw  | MATHEMATICAL BOLD SCRIPT SMALL W   |
| U+1D501 | <i><b>x</b></i> | \mbfscrX  | MATHEMATICAL BOLD SCRIPT SMALL X   |
| U+1D502 | <i><b>y</b></i> | \mbfscry  | MATHEMATICAL BOLD SCRIPT SMALL Y   |
| U+1D503 | <i><b>z</b></i> | \mbfscrz  | MATHEMATICAL BOLD SCRIPT SMALL Z   |
| U+1D504 | <i><b>A</b></i> | \mfrakA   | MATHEMATICAL FRAKTUR CAPITAL A     |
| U+1D505 | <i><b>B</b></i> | \mfrakB   | MATHEMATICAL FRAKTUR CAPITAL B     |
| U+1D507 | <i><b>D</b></i> | \mfrakD   | MATHEMATICAL FRAKTUR CAPITAL D     |
| U+1D508 | <i><b>E</b></i> | \mfrakE   | MATHEMATICAL FRAKTUR CAPITAL E     |
| U+1D509 | <i><b>F</b></i> | \mfrakF   | MATHEMATICAL FRAKTUR CAPITAL F     |
| U+1D50A | <i><b>G</b></i> | \mfrakG   | MATHEMATICAL FRAKTUR CAPITAL G     |
| U+1D50D | <i><b>J</b></i> | \mfrakJ   | MATHEMATICAL FRAKTUR CAPITAL J     |
| U+1D50E | <i><b>K</b></i> | \mfrakK   | MATHEMATICAL FRAKTUR CAPITAL K     |

|         |          |                      |                                      |
|---------|----------|----------------------|--------------------------------------|
| U+1D50F | <b>L</b> | <code>\mfracL</code> | MATHEMATICAL FRAKTUR CAPITAL L       |
| U+1D510 | <b>M</b> | <code>\mfracM</code> | MATHEMATICAL FRAKTUR CAPITAL M       |
| U+1D511 | <b>N</b> | <code>\mfracN</code> | MATHEMATICAL FRAKTUR CAPITAL N       |
| U+1D512 | <b>O</b> | <code>\mfracO</code> | MATHEMATICAL FRAKTUR CAPITAL O       |
| U+1D513 | <b>P</b> | <code>\mfracP</code> | MATHEMATICAL FRAKTUR CAPITAL P       |
| U+1D514 | <b>Q</b> | <code>\mfracQ</code> | MATHEMATICAL FRAKTUR CAPITAL Q       |
| U+1D516 | <b>S</b> | <code>\mfracS</code> | MATHEMATICAL FRAKTUR CAPITAL S       |
| U+1D517 | <b>T</b> | <code>\mfracT</code> | MATHEMATICAL FRAKTUR CAPITAL T       |
| U+1D518 | <b>U</b> | <code>\mfracU</code> | MATHEMATICAL FRAKTUR CAPITAL U       |
| U+1D519 | <b>V</b> | <code>\mfracV</code> | MATHEMATICAL FRAKTUR CAPITAL V       |
| U+1D51A | <b>W</b> | <code>\mfracW</code> | MATHEMATICAL FRAKTUR CAPITAL W       |
| U+1D51B | <b>X</b> | <code>\mfracX</code> | MATHEMATICAL FRAKTUR CAPITAL X       |
| U+1D51C | <b>Y</b> | <code>\mfracY</code> | MATHEMATICAL FRAKTUR CAPITAL Y       |
| U+1D51E | <b>a</b> | <code>\mfraka</code> | MATHEMATICAL FRAKTUR SMALL A         |
| U+1D51F | <b>b</b> | <code>\mfracb</code> | MATHEMATICAL FRAKTUR SMALL B         |
| U+1D520 | <b>c</b> | <code>\mfracc</code> | MATHEMATICAL FRAKTUR SMALL C         |
| U+1D521 | <b>d</b> | <code>\mfracd</code> | MATHEMATICAL FRAKTUR SMALL D         |
| U+1D522 | <b>e</b> | <code>\mfrace</code> | MATHEMATICAL FRAKTUR SMALL E         |
| U+1D523 | <b>f</b> | <code>\mfracf</code> | MATHEMATICAL FRAKTUR SMALL F         |
| U+1D524 | <b>g</b> | <code>\mfracg</code> | MATHEMATICAL FRAKTUR SMALL G         |
| U+1D525 | <b>h</b> | <code>\mfrach</code> | MATHEMATICAL FRAKTUR SMALL H         |
| U+1D526 | <b>i</b> | <code>\mfraci</code> | MATHEMATICAL FRAKTUR SMALL I         |
| U+1D527 | <b>j</b> | <code>\mfracj</code> | MATHEMATICAL FRAKTUR SMALL J         |
| U+1D528 | <b>k</b> | <code>\mfrack</code> | MATHEMATICAL FRAKTUR SMALL K         |
| U+1D529 | <b>l</b> | <code>\mfracl</code> | MATHEMATICAL FRAKTUR SMALL L         |
| U+1D52A | <b>m</b> | <code>\mfracm</code> | MATHEMATICAL FRAKTUR SMALL M         |
| U+1D52B | <b>n</b> | <code>\mfracn</code> | MATHEMATICAL FRAKTUR SMALL N         |
| U+1D52C | <b>o</b> | <code>\mfraco</code> | MATHEMATICAL FRAKTUR SMALL O         |
| U+1D52D | <b>p</b> | <code>\mfracp</code> | MATHEMATICAL FRAKTUR SMALL P         |
| U+1D52E | <b>q</b> | <code>\mfracq</code> | MATHEMATICAL FRAKTUR SMALL Q         |
| U+1D52F | <b>r</b> | <code>\mfracr</code> | MATHEMATICAL FRAKTUR SMALL R         |
| U+1D530 | <b>s</b> | <code>\mfracs</code> | MATHEMATICAL FRAKTUR SMALL S         |
| U+1D531 | <b>t</b> | <code>\mfract</code> | MATHEMATICAL FRAKTUR SMALL T         |
| U+1D532 | <b>u</b> | <code>\mfracu</code> | MATHEMATICAL FRAKTUR SMALL U         |
| U+1D533 | <b>v</b> | <code>\mfracv</code> | MATHEMATICAL FRAKTUR SMALL V         |
| U+1D534 | <b>w</b> | <code>\mfracw</code> | MATHEMATICAL FRAKTUR SMALL W         |
| U+1D535 | <b>x</b> | <code>\mfracx</code> | MATHEMATICAL FRAKTUR SMALL X         |
| U+1D536 | <b>y</b> | <code>\mfracy</code> | MATHEMATICAL FRAKTUR SMALL Y         |
| U+1D537 | <b>z</b> | <code>\mfracz</code> | MATHEMATICAL FRAKTUR SMALL Z         |
| U+1D538 | <b>A</b> | <code>\BbbA</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL A |
| U+1D539 | <b>B</b> | <code>\BbbB</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL B |
| U+1D53B | <b>D</b> | <code>\BbbD</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL D |
| U+1D53C | <b>E</b> | <code>\BbbE</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL E |
| U+1D53D | <b>F</b> | <code>\BbbF</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL F |
| U+1D53E | <b>G</b> | <code>\BbbG</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL G |
| U+1D540 | <b>I</b> | <code>\BbbI</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL I |
| U+1D541 | <b>J</b> | <code>\BbbJ</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL J |
| U+1D542 | <b>K</b> | <code>\BbbK</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL K |
| U+1D543 | <b>L</b> | <code>\BbbL</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL L |
| U+1D544 | <b>M</b> | <code>\BbbM</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL M |
| U+1D546 | <b>O</b> | <code>\BbbO</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL O |
| U+1D54A | <b>S</b> | <code>\BbbS</code>   | MATHEMATICAL DOUBLE-STRUCK CAPITAL S |

|         |          |           |                                      |
|---------|----------|-----------|--------------------------------------|
| U+1D54B | <b>T</b> | \BbbT     | MATHEMATICAL DOUBLE-STRUCK CAPITAL T |
| U+1D54C | <b>U</b> | \BbbU     | MATHEMATICAL DOUBLE-STRUCK CAPITAL U |
| U+1D54D | <b>V</b> | \BbbV     | MATHEMATICAL DOUBLE-STRUCK CAPITAL V |
| U+1D54E | <b>W</b> | \BbbW     | MATHEMATICAL DOUBLE-STRUCK CAPITAL W |
| U+1D54F | <b>X</b> | \BbbX     | MATHEMATICAL DOUBLE-STRUCK CAPITAL X |
| U+1D550 | <b>Y</b> | \BbbY     | MATHEMATICAL DOUBLE-STRUCK CAPITAL Y |
| U+1D552 | <b>a</b> | \Bbba     | MATHEMATICAL DOUBLE-STRUCK SMALL A   |
| U+1D553 | <b>b</b> | \Bbbb     | MATHEMATICAL DOUBLE-STRUCK SMALL B   |
| U+1D554 | <b>c</b> | \Bbbc     | MATHEMATICAL DOUBLE-STRUCK SMALL C   |
| U+1D555 | <b>d</b> | \Bbbd     | MATHEMATICAL DOUBLE-STRUCK SMALL D   |
| U+1D556 | <b>e</b> | \Bbbe     | MATHEMATICAL DOUBLE-STRUCK SMALL E   |
| U+1D557 | <b>f</b> | \Bbbf     | MATHEMATICAL DOUBLE-STRUCK SMALL F   |
| U+1D558 | <b>g</b> | \Bbbg     | MATHEMATICAL DOUBLE-STRUCK SMALL G   |
| U+1D559 | <b>h</b> | \Bbbh     | MATHEMATICAL DOUBLE-STRUCK SMALL H   |
| U+1D55A | <b>i</b> | \Bbbi     | MATHEMATICAL DOUBLE-STRUCK SMALL I   |
| U+1D55B | <b>j</b> | \Bbbj     | MATHEMATICAL DOUBLE-STRUCK SMALL J   |
| U+1D55C | <b>k</b> | \Bbbk     | MATHEMATICAL DOUBLE-STRUCK SMALL K   |
| U+1D55D | <b>l</b> | \BbbL     | MATHEMATICAL DOUBLE-STRUCK SMALL L   |
| U+1D55E | <b>m</b> | \Bbbm     | MATHEMATICAL DOUBLE-STRUCK SMALL M   |
| U+1D55F | <b>n</b> | \Bbbn     | MATHEMATICAL DOUBLE-STRUCK SMALL N   |
| U+1D560 | <b>o</b> | \Bbbo     | MATHEMATICAL DOUBLE-STRUCK SMALL O   |
| U+1D561 | <b>p</b> | \Bbbp     | MATHEMATICAL DOUBLE-STRUCK SMALL P   |
| U+1D562 | <b>q</b> | \Bbbq     | MATHEMATICAL DOUBLE-STRUCK SMALL Q   |
| U+1D563 | <b>r</b> | \Bbbr     | MATHEMATICAL DOUBLE-STRUCK SMALL R   |
| U+1D564 | <b>s</b> | \Bbbs     | MATHEMATICAL DOUBLE-STRUCK SMALL S   |
| U+1D565 | <b>t</b> | \Bbbt     | MATHEMATICAL DOUBLE-STRUCK SMALL T   |
| U+1D566 | <b>u</b> | \Bbbu     | MATHEMATICAL DOUBLE-STRUCK SMALL U   |
| U+1D567 | <b>v</b> | \Bbbv     | MATHEMATICAL DOUBLE-STRUCK SMALL V   |
| U+1D568 | <b>w</b> | \Bbbw     | MATHEMATICAL DOUBLE-STRUCK SMALL W   |
| U+1D569 | <b>x</b> | \Bbbx     | MATHEMATICAL DOUBLE-STRUCK SMALL X   |
| U+1D56A | <b>y</b> | \Bbby     | MATHEMATICAL DOUBLE-STRUCK SMALL Y   |
| U+1D56B | <b>z</b> | \Bbbz     | MATHEMATICAL DOUBLE-STRUCK SMALL Z   |
| U+1D56C | <b>𝔗</b> | \mbffrakA | MATHEMATICAL BOLD FRAKTUR CAPITAL A  |
| U+1D56D | <b>𝔘</b> | \mbffrakB | MATHEMATICAL BOLD FRAKTUR CAPITAL B  |
| U+1D56E | <b>𝔖</b> | \mbffrakC | MATHEMATICAL BOLD FRAKTUR CAPITAL C  |
| U+1D56F | <b>𝔗</b> | \mbffrakD | MATHEMATICAL BOLD FRAKTUR CAPITAL D  |
| U+1D570 | <b>𝔘</b> | \mbffrakE | MATHEMATICAL BOLD FRAKTUR CAPITAL E  |
| U+1D571 | <b>𝔖</b> | \mbffrakF | MATHEMATICAL BOLD FRAKTUR CAPITAL F  |
| U+1D572 | <b>𝔗</b> | \mbffrakG | MATHEMATICAL BOLD FRAKTUR CAPITAL G  |
| U+1D573 | <b>𝔘</b> | \mbffrakH | MATHEMATICAL BOLD FRAKTUR CAPITAL H  |
| U+1D574 | <b>𝔖</b> | \mbffrakI | MATHEMATICAL BOLD FRAKTUR CAPITAL I  |
| U+1D575 | <b>𝔗</b> | \mbffrakJ | MATHEMATICAL BOLD FRAKTUR CAPITAL J  |
| U+1D576 | <b>𝔘</b> | \mbffrakK | MATHEMATICAL BOLD FRAKTUR CAPITAL K  |
| U+1D577 | <b>𝔖</b> | \mbffrakL | MATHEMATICAL BOLD FRAKTUR CAPITAL L  |
| U+1D578 | <b>𝔗</b> | \mbffrakM | MATHEMATICAL BOLD FRAKTUR CAPITAL M  |
| U+1D579 | <b>𝔘</b> | \mbffrakN | MATHEMATICAL BOLD FRAKTUR CAPITAL N  |
| U+1D57A | <b>𝔖</b> | \mbffrakO | MATHEMATICAL BOLD FRAKTUR CAPITAL O  |
| U+1D57B | <b>𝔗</b> | \mbffrakP | MATHEMATICAL BOLD FRAKTUR CAPITAL P  |
| U+1D57C | <b>𝔘</b> | \mbffrakQ | MATHEMATICAL BOLD FRAKTUR CAPITAL Q  |
| U+1D57D | <b>𝔖</b> | \mbffrakR | MATHEMATICAL BOLD FRAKTUR CAPITAL R  |
| U+1D57E | <b>𝔗</b> | \mbffrakS | MATHEMATICAL BOLD FRAKTUR CAPITAL S  |
| U+1D57F | <b>𝔘</b> | \mbffrakT | MATHEMATICAL BOLD FRAKTUR CAPITAL T  |

|         |          |                        |                                     |
|---------|----------|------------------------|-------------------------------------|
| U+1D580 | <b>U</b> | <code>\mbffrakU</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL U |
| U+1D581 | <b>V</b> | <code>\mbffrakV</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL V |
| U+1D582 | <b>W</b> | <code>\mbffrakW</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL W |
| U+1D583 | <b>X</b> | <code>\mbffrakX</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL X |
| U+1D584 | <b>Y</b> | <code>\mbffrakY</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL Y |
| U+1D585 | <b>Z</b> | <code>\mbffrakZ</code> | MATHEMATICAL BOLD FRAKTUR CAPITAL Z |
| U+1D586 | <b>a</b> | <code>\mbffraka</code> | MATHEMATICAL BOLD FRAKTUR SMALL A   |
| U+1D587 | <b>b</b> | <code>\mbffrakb</code> | MATHEMATICAL BOLD FRAKTUR SMALL B   |
| U+1D588 | <b>c</b> | <code>\mbffrakc</code> | MATHEMATICAL BOLD FRAKTUR SMALL C   |
| U+1D589 | <b>d</b> | <code>\mbffrakd</code> | MATHEMATICAL BOLD FRAKTUR SMALL D   |
| U+1D58A | <b>e</b> | <code>\mbffrake</code> | MATHEMATICAL BOLD FRAKTUR SMALL E   |
| U+1D58B | <b>f</b> | <code>\mbffrakf</code> | MATHEMATICAL BOLD FRAKTUR SMALL F   |
| U+1D58C | <b>g</b> | <code>\mbffrakg</code> | MATHEMATICAL BOLD FRAKTUR SMALL G   |
| U+1D58D | <b>h</b> | <code>\mbffrakh</code> | MATHEMATICAL BOLD FRAKTUR SMALL H   |
| U+1D58E | <b>i</b> | <code>\mbffraki</code> | MATHEMATICAL BOLD FRAKTUR SMALL I   |
| U+1D58F | <b>j</b> | <code>\mbffrakj</code> | MATHEMATICAL BOLD FRAKTUR SMALL J   |
| U+1D590 | <b>k</b> | <code>\mbffrakk</code> | MATHEMATICAL BOLD FRAKTUR SMALL K   |
| U+1D591 | <b>l</b> | <code>\mbffrakl</code> | MATHEMATICAL BOLD FRAKTUR SMALL L   |
| U+1D592 | <b>m</b> | <code>\mbffrakm</code> | MATHEMATICAL BOLD FRAKTUR SMALL M   |
| U+1D593 | <b>n</b> | <code>\mbffrakn</code> | MATHEMATICAL BOLD FRAKTUR SMALL N   |
| U+1D594 | <b>o</b> | <code>\mbffrako</code> | MATHEMATICAL BOLD FRAKTUR SMALL O   |
| U+1D595 | <b>p</b> | <code>\mbffrakp</code> | MATHEMATICAL BOLD FRAKTUR SMALL P   |
| U+1D596 | <b>q</b> | <code>\mbffrakq</code> | MATHEMATICAL BOLD FRAKTUR SMALL Q   |
| U+1D597 | <b>r</b> | <code>\mbffrakr</code> | MATHEMATICAL BOLD FRAKTUR SMALL R   |
| U+1D598 | <b>s</b> | <code>\mbffraks</code> | MATHEMATICAL BOLD FRAKTUR SMALL S   |
| U+1D599 | <b>t</b> | <code>\mbffrakt</code> | MATHEMATICAL BOLD FRAKTUR SMALL T   |
| U+1D59A | <b>u</b> | <code>\mbffraku</code> | MATHEMATICAL BOLD FRAKTUR SMALL U   |
| U+1D59B | <b>v</b> | <code>\mbffrakv</code> | MATHEMATICAL BOLD FRAKTUR SMALL V   |
| U+1D59C | <b>w</b> | <code>\mbffrakw</code> | MATHEMATICAL BOLD FRAKTUR SMALL W   |
| U+1D59D | <b>x</b> | <code>\mbffrakx</code> | MATHEMATICAL BOLD FRAKTUR SMALL X   |
| U+1D59E | <b>y</b> | <code>\mbffraky</code> | MATHEMATICAL BOLD FRAKTUR SMALL Y   |
| U+1D59F | <b>z</b> | <code>\mbffrakz</code> | MATHEMATICAL BOLD FRAKTUR SMALL Z   |
| U+1D5A0 | <b>A</b> | <code>\msansA</code>   | MATHEMATICAL SANS-SERIF CAPITAL A   |
| U+1D5A1 | <b>B</b> | <code>\msansB</code>   | MATHEMATICAL SANS-SERIF CAPITAL B   |
| U+1D5A2 | <b>C</b> | <code>\msansC</code>   | MATHEMATICAL SANS-SERIF CAPITAL C   |
| U+1D5A3 | <b>D</b> | <code>\msansD</code>   | MATHEMATICAL SANS-SERIF CAPITAL D   |
| U+1D5A4 | <b>E</b> | <code>\msansE</code>   | MATHEMATICAL SANS-SERIF CAPITAL E   |
| U+1D5A5 | <b>F</b> | <code>\msansF</code>   | MATHEMATICAL SANS-SERIF CAPITAL F   |
| U+1D5A6 | <b>G</b> | <code>\msansG</code>   | MATHEMATICAL SANS-SERIF CAPITAL G   |
| U+1D5A7 | <b>H</b> | <code>\msansH</code>   | MATHEMATICAL SANS-SERIF CAPITAL H   |
| U+1D5A8 | <b>I</b> | <code>\msansI</code>   | MATHEMATICAL SANS-SERIF CAPITAL I   |
| U+1D5A9 | <b>J</b> | <code>\msansJ</code>   | MATHEMATICAL SANS-SERIF CAPITAL J   |
| U+1D5AA | <b>K</b> | <code>\msansK</code>   | MATHEMATICAL SANS-SERIF CAPITAL K   |
| U+1D5AB | <b>L</b> | <code>\msansL</code>   | MATHEMATICAL SANS-SERIF CAPITAL L   |
| U+1D5AC | <b>M</b> | <code>\msansM</code>   | MATHEMATICAL SANS-SERIF CAPITAL M   |
| U+1D5AD | <b>N</b> | <code>\msansN</code>   | MATHEMATICAL SANS-SERIF CAPITAL N   |
| U+1D5AE | <b>O</b> | <code>\msansO</code>   | MATHEMATICAL SANS-SERIF CAPITAL O   |
| U+1D5AF | <b>P</b> | <code>\msansP</code>   | MATHEMATICAL SANS-SERIF CAPITAL P   |
| U+1D5B0 | <b>Q</b> | <code>\msansQ</code>   | MATHEMATICAL SANS-SERIF CAPITAL Q   |
| U+1D5B1 | <b>R</b> | <code>\msansR</code>   | MATHEMATICAL SANS-SERIF CAPITAL R   |
| U+1D5B2 | <b>S</b> | <code>\msansS</code>   | MATHEMATICAL SANS-SERIF CAPITAL S   |
| U+1D5B3 | <b>T</b> | <code>\msansT</code>   | MATHEMATICAL SANS-SERIF CAPITAL T   |

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| U+1D5B4 | <b>U</b> | <code>\msansU</code>   | MATHEMATICAL SANS-SERIF CAPITAL U      |
| U+1D5B5 | <b>V</b> | <code>\msansV</code>   | MATHEMATICAL SANS-SERIF CAPITAL V      |
| U+1D5B6 | <b>W</b> | <code>\msansW</code>   | MATHEMATICAL SANS-SERIF CAPITAL W      |
| U+1D5B7 | <b>X</b> | <code>\msansX</code>   | MATHEMATICAL SANS-SERIF CAPITAL X      |
| U+1D5B8 | <b>Y</b> | <code>\msansY</code>   | MATHEMATICAL SANS-SERIF CAPITAL Y      |
| U+1D5B9 | <b>Z</b> | <code>\msansZ</code>   | MATHEMATICAL SANS-SERIF CAPITAL Z      |
| U+1D5BA | <b>a</b> | <code>\msansa</code>   | MATHEMATICAL SANS-SERIF SMALL A        |
| U+1D5BB | <b>b</b> | <code>\msansb</code>   | MATHEMATICAL SANS-SERIF SMALL B        |
| U+1D5BC | <b>c</b> | <code>\msansc</code>   | MATHEMATICAL SANS-SERIF SMALL C        |
| U+1D5BD | <b>d</b> | <code>\msansd</code>   | MATHEMATICAL SANS-SERIF SMALL D        |
| U+1D5BE | <b>e</b> | <code>\msanse</code>   | MATHEMATICAL SANS-SERIF SMALL E        |
| U+1D5BF | <b>f</b> | <code>\msansf</code>   | MATHEMATICAL SANS-SERIF SMALL F        |
| U+1D5C0 | <b>g</b> | <code>\msansg</code>   | MATHEMATICAL SANS-SERIF SMALL G        |
| U+1D5C1 | <b>h</b> | <code>\msansh</code>   | MATHEMATICAL SANS-SERIF SMALL H        |
| U+1D5C2 | <b>i</b> | <code>\msansi</code>   | MATHEMATICAL SANS-SERIF SMALL I        |
| U+1D5C3 | <b>j</b> | <code>\msansj</code>   | MATHEMATICAL SANS-SERIF SMALL J        |
| U+1D5C4 | <b>k</b> | <code>\msansk</code>   | MATHEMATICAL SANS-SERIF SMALL K        |
| U+1D5C5 | <b>l</b> | <code>\msansl</code>   | MATHEMATICAL SANS-SERIF SMALL L        |
| U+1D5C6 | <b>m</b> | <code>\msansm</code>   | MATHEMATICAL SANS-SERIF SMALL M        |
| U+1D5C7 | <b>n</b> | <code>\msansn</code>   | MATHEMATICAL SANS-SERIF SMALL N        |
| U+1D5C8 | <b>o</b> | <code>\msanso</code>   | MATHEMATICAL SANS-SERIF SMALL O        |
| U+1D5C9 | <b>p</b> | <code>\msansp</code>   | MATHEMATICAL SANS-SERIF SMALL P        |
| U+1D5CA | <b>q</b> | <code>\msansq</code>   | MATHEMATICAL SANS-SERIF SMALL Q        |
| U+1D5CB | <b>r</b> | <code>\msansr</code>   | MATHEMATICAL SANS-SERIF SMALL R        |
| U+1D5CC | <b>s</b> | <code>\msanss</code>   | MATHEMATICAL SANS-SERIF SMALL S        |
| U+1D5CD | <b>t</b> | <code>\msanst</code>   | MATHEMATICAL SANS-SERIF SMALL T        |
| U+1D5CE | <b>u</b> | <code>\msansu</code>   | MATHEMATICAL SANS-SERIF SMALL U        |
| U+1D5CF | <b>v</b> | <code>\msansv</code>   | MATHEMATICAL SANS-SERIF SMALL V        |
| U+1D5D0 | <b>w</b> | <code>\msansw</code>   | MATHEMATICAL SANS-SERIF SMALL W        |
| U+1D5D1 | <b>x</b> | <code>\msansx</code>   | MATHEMATICAL SANS-SERIF SMALL X        |
| U+1D5D2 | <b>y</b> | <code>\msansy</code>   | MATHEMATICAL SANS-SERIF SMALL Y        |
| U+1D5D3 | <b>z</b> | <code>\msansz</code>   | MATHEMATICAL SANS-SERIF SMALL Z        |
| U+1D5D4 | <b>A</b> | <code>\mbfsansA</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL A |
| U+1D5D5 | <b>B</b> | <code>\mbfsansB</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL B |
| U+1D5D6 | <b>C</b> | <code>\mbfsansC</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL C |
| U+1D5D7 | <b>D</b> | <code>\mbfsansD</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL D |
| U+1D5D8 | <b>E</b> | <code>\mbfsansE</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL E |
| U+1D5D9 | <b>F</b> | <code>\mbfsansF</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL F |
| U+1D5DA | <b>G</b> | <code>\mbfsansG</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL G |
| U+1D5DB | <b>H</b> | <code>\mbfsansH</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL H |
| U+1D5DC | <b>I</b> | <code>\mbfsansI</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL I |
| U+1D5DD | <b>J</b> | <code>\mbfsansJ</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL J |
| U+1D5DE | <b>K</b> | <code>\mbfsansK</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL K |
| U+1D5DF | <b>L</b> | <code>\mbfsansL</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL L |
| U+1D5E0 | <b>M</b> | <code>\mbfsansM</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL M |
| U+1D5E1 | <b>N</b> | <code>\mbfsansN</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL N |
| U+1D5E2 | <b>O</b> | <code>\mbfsansO</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL O |
| U+1D5E3 | <b>P</b> | <code>\mbfsansP</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL P |
| U+1D5E4 | <b>Q</b> | <code>\mbfsansQ</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL Q |
| U+1D5E5 | <b>R</b> | <code>\mbfsansR</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL R |
| U+1D5E6 | <b>S</b> | <code>\mbfsansS</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL S |
| U+1D5E7 | <b>T</b> | <code>\mbfsansT</code> | MATHEMATICAL SANS-SERIF BOLD CAPITAL T |

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|---------|----------|-----------|--|
| U+1D5E8 | <b>U</b> | \mbfsansU | MATHEMATICAL SANS-SERIF BOLD CAPITAL U   |
| U+1D5E9 | <b>V</b> | \mbfsansV | MATHEMATICAL SANS-SERIF BOLD CAPITAL V   |
| U+1D5EA | <b>W</b> | \mbfsansW | MATHEMATICAL SANS-SERIF BOLD CAPITAL W   |
| U+1D5EB | <b>X</b> | \mbfsansX | MATHEMATICAL SANS-SERIF BOLD CAPITAL X   |
| U+1D5EC | <b>Y</b> | \mbfsansY | MATHEMATICAL SANS-SERIF BOLD CAPITAL Y   |
| U+1D5ED | <b>Z</b> | \mbfsansZ | MATHEMATICAL SANS-SERIF BOLD CAPITAL Z   |
| U+1D5EE | <b>a</b> | \mbfsansa | MATHEMATICAL SANS-SERIF BOLD SMALL A     |
| U+1D5EF | <b>b</b> | \mbfsansb | MATHEMATICAL SANS-SERIF BOLD SMALL B     |
| U+1D5F0 | <b>c</b> | \mbfsansc | MATHEMATICAL SANS-SERIF BOLD SMALL C     |
| U+1D5F1 | <b>d</b> | \mbfsansd | MATHEMATICAL SANS-SERIF BOLD SMALL D     |
| U+1D5F2 | <b>e</b> | \mbfsanse | MATHEMATICAL SANS-SERIF BOLD SMALL E     |
| U+1D5F3 | <b>f</b> | \mbfsansf | MATHEMATICAL SANS-SERIF BOLD SMALL F     |
| U+1D5F4 | <b>g</b> | \mbfsansg | MATHEMATICAL SANS-SERIF BOLD SMALL G     |
| U+1D5F5 | <b>h</b> | \mbfsansh | MATHEMATICAL SANS-SERIF BOLD SMALL H     |
| U+1D5F6 | <b>i</b> | \mbfsansi | MATHEMATICAL SANS-SERIF BOLD SMALL I     |
| U+1D5F7 | <b>j</b> | \mbfsansj | MATHEMATICAL SANS-SERIF BOLD SMALL J     |
| U+1D5F8 | <b>k</b> | \mbfsansk | MATHEMATICAL SANS-SERIF BOLD SMALL K     |
| U+1D5F9 | <b>l</b> | \mbfsansl | MATHEMATICAL SANS-SERIF BOLD SMALL L     |
| U+1D5FA | <b>m</b> | \mbfsansm | MATHEMATICAL SANS-SERIF BOLD SMALL M     |
| U+1D5FB | <b>n</b> | \mbfsansn | MATHEMATICAL SANS-SERIF BOLD SMALL N     |
| U+1D5FC | <b>o</b> | \mbfsanso | MATHEMATICAL SANS-SERIF BOLD SMALL O     |
| U+1D5FD | <b>p</b> | \mbfsansp | MATHEMATICAL SANS-SERIF BOLD SMALL P     |
| U+1D5FE | <b>q</b> | \mbfsansq | MATHEMATICAL SANS-SERIF BOLD SMALL Q     |
| U+1D5FF | <b>r</b> | \mbfsansr | MATHEMATICAL SANS-SERIF BOLD SMALL R     |
| U+1D600 | <b>s</b> | \mbfsanss | MATHEMATICAL SANS-SERIF BOLD SMALL S     |
| U+1D601 | <b>t</b> | \mbfsanst | MATHEMATICAL SANS-SERIF BOLD SMALL T     |
| U+1D602 | <b>u</b> | \mbfsansu | MATHEMATICAL SANS-SERIF BOLD SMALL U     |
| U+1D603 | <b>v</b> | \mbfsansv | MATHEMATICAL SANS-SERIF BOLD SMALL V     |
| U+1D604 | <b>w</b> | \mbfsansw | MATHEMATICAL SANS-SERIF BOLD SMALL W     |
| U+1D605 | <b>x</b> | \mbfsansx | MATHEMATICAL SANS-SERIF BOLD SMALL X     |
| U+1D606 | <b>y</b> | \mbfsansy | MATHEMATICAL SANS-SERIF BOLD SMALL Y     |
| U+1D607 | <b>z</b> | \mbfsansz | MATHEMATICAL SANS-SERIF BOLD SMALL Z     |
| U+1D608 | <b>A</b> | \mitsansA | MATHEMATICAL SANS-SERIF ITALIC CAPITAL A |
| U+1D609 | <b>B</b> | \mitsansB | MATHEMATICAL SANS-SERIF ITALIC CAPITAL B |
| U+1D60A | <b>C</b> | \mitsansC | MATHEMATICAL SANS-SERIF ITALIC CAPITAL C |
| U+1D60B | <b>D</b> | \mitsansD | MATHEMATICAL SANS-SERIF ITALIC CAPITAL D |
| U+1D60C | <b>E</b> | \mitsansE | MATHEMATICAL SANS-SERIF ITALIC CAPITAL E |
| U+1D60D | <b>F</b> | \mitsansF | MATHEMATICAL SANS-SERIF ITALIC CAPITAL F |
| U+1D60E | <b>G</b> | \mitsansG | MATHEMATICAL SANS-SERIF ITALIC CAPITAL G |
| U+1D60F | <b>H</b> | \mitsansH | MATHEMATICAL SANS-SERIF ITALIC CAPITAL H |
| U+1D610 | <b>I</b> | \mitsansI | MATHEMATICAL SANS-SERIF ITALIC CAPITAL I |
| U+1D611 | <b>J</b> | \mitsansJ | MATHEMATICAL SANS-SERIF ITALIC CAPITAL J |
| U+1D612 | <b>K</b> | \mitsansK | MATHEMATICAL SANS-SERIF ITALIC CAPITAL K |
| U+1D613 | <b>L</b> | \mitsansL | MATHEMATICAL SANS-SERIF ITALIC CAPITAL L |
| U+1D614 | <b>M</b> | \mitsansM | MATHEMATICAL SANS-SERIF ITALIC CAPITAL M |
| U+1D615 | <b>N</b> | \mitsansN | MATHEMATICAL SANS-SERIF ITALIC CAPITAL N |
| U+1D616 | <b>O</b> | \mitsansO | MATHEMATICAL SANS-SERIF ITALIC CAPITAL O |
| U+1D617 | <b>P</b> | \mitsansP | MATHEMATICAL SANS-SERIF ITALIC CAPITAL P |
| U+1D618 | <b>Q</b> | \mitsansQ | MATHEMATICAL SANS-SERIF ITALIC CAPITAL Q |
| U+1D619 | <b>R</b> | \mitsansR | MATHEMATICAL SANS-SERIF ITALIC CAPITAL R |
| U+1D61A | <b>S</b> | \mitsansS | MATHEMATICAL SANS-SERIF ITALIC CAPITAL S |
| U+1D61B | <b>T</b> | \mitsansT | MATHEMATICAL SANS-SERIF ITALIC CAPITAL T |

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|---------|----------|--------------------------|---|
| U+1D61C | <b>U</b> | <code>\mitsansU</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL U      |
| U+1D61D | <b>V</b> | <code>\mitsansV</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL V      |
| U+1D61E | <b>W</b> | <code>\mitsansW</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL W      |
| U+1D61F | <b>X</b> | <code>\mitsansX</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL X      |
| U+1D620 | <b>Y</b> | <code>\mitsansY</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL Y      |
| U+1D621 | <b>Z</b> | <code>\mitsansZ</code>   | MATHEMATICAL SANS-SERIF ITALIC CAPITAL Z      |
| U+1D622 | <b>a</b> | <code>\mitsansa</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL A        |
| U+1D623 | <b>b</b> | <code>\mitsansb</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL B        |
| U+1D624 | <b>c</b> | <code>\mitsansc</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL C        |
| U+1D625 | <b>d</b> | <code>\mitsansd</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL D        |
| U+1D626 | <b>e</b> | <code>\mitsanse</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL E        |
| U+1D627 | <b>f</b> | <code>\mitsansf</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL F        |
| U+1D628 | <b>g</b> | <code>\mitsansg</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL G        |
| U+1D629 | <b>h</b> | <code>\mitsansh</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL H        |
| U+1D62A | <b>i</b> | <code>\mitsansi</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL I        |
| U+1D62B | <b>j</b> | <code>\mitsansj</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL J        |
| U+1D62C | <b>k</b> | <code>\mitsansk</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL K        |
| U+1D62D | <b>l</b> | <code>\mitsansl</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL L        |
| U+1D62E | <b>m</b> | <code>\mitsansm</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL M        |
| U+1D62F | <b>n</b> | <code>\mitsansn</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL N        |
| U+1D630 | <b>o</b> | <code>\mitsanso</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL O        |
| U+1D631 | <b>p</b> | <code>\mitsansp</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL P        |
| U+1D632 | <b>q</b> | <code>\mitsansq</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL Q        |
| U+1D633 | <b>r</b> | <code>\mitsansr</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL R        |
| U+1D634 | <b>s</b> | <code>\mitsanss</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL S        |
| U+1D635 | <b>t</b> | <code>\mitsanst</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL T        |
| U+1D636 | <b>u</b> | <code>\mitsansu</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL U        |
| U+1D637 | <b>v</b> | <code>\mitsansv</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL V        |
| U+1D638 | <b>w</b> | <code>\mitsansw</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL W        |
| U+1D639 | <b>x</b> | <code>\mitsansx</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL X        |
| U+1D63A | <b>y</b> | <code>\mitsansy</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL Y        |
| U+1D63B | <b>z</b> | <code>\mitsansz</code>   | MATHEMATICAL SANS-SERIF ITALIC SMALL Z        |
| U+1D63C | <b>A</b> | <code>\mbfitsansA</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL A |
| U+1D63D | <b>B</b> | <code>\mbfitsansB</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL B |
| U+1D63E | <b>C</b> | <code>\mbfitsansC</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL C |
| U+1D63F | <b>D</b> | <code>\mbfitsansD</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL D |
| U+1D640 | <b>E</b> | <code>\mbfitsansE</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL E |
| U+1D641 | <b>F</b> | <code>\mbfitsansF</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL F |
| U+1D642 | <b>G</b> | <code>\mbfitsansG</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL G |
| U+1D643 | <b>H</b> | <code>\mbfitsansH</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL H |
| U+1D644 | <b>I</b> | <code>\mbfitsansI</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL I |
| U+1D645 | <b>J</b> | <code>\mbfitsansJ</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL J |
| U+1D646 | <b>K</b> | <code>\mbfitsansK</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL K |
| U+1D647 | <b>L</b> | <code>\mbfitsansL</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL L |
| U+1D648 | <b>M</b> | <code>\mbfitsansM</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL M |
| U+1D649 | <b>N</b> | <code>\mbfitsansN</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL N |
| U+1D64A | <b>O</b> | <code>\mbfitsansO</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL O |
| U+1D64B | <b>P</b> | <code>\mbfitsansP</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL P |
| U+1D64C | <b>Q</b> | <code>\mbfitsansQ</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Q |
| U+1D64D | <b>R</b> | <code>\mbfitsansR</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL R |
| U+1D64E | <b>S</b> | <code>\mbfitsansS</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL S |
| U+1D64F | <b>T</b> | <code>\mbfitsansT</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL T |

|         |          |             |   |
|---------|----------|-------------|---|
| U+1D650 | <b>U</b> | \mbfitsansU | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL U |
| U+1D651 | <b>V</b> | \mbfitsansV | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL V |
| U+1D652 | <b>W</b> | \mbfitsansW | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL W |
| U+1D653 | <b>X</b> | \mbfitsansX | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL X |
| U+1D654 | <b>Y</b> | \mbfitsansY | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Y |
| U+1D655 | <b>Z</b> | \mbfitsansZ | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL Z |
| U+1D656 | <b>a</b> | \mbfitsansa | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL A   |
| U+1D657 | <b>b</b> | \mbfitsansb | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL B   |
| U+1D658 | <b>c</b> | \mbfitsansc | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL C   |
| U+1D659 | <b>d</b> | \mbfitsansd | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL D   |
| U+1D65A | <b>e</b> | \mbfitsanse | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL E   |
| U+1D65B | <b>f</b> | \mbfitsansf | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL F   |
| U+1D65C | <b>g</b> | \mbfitsansg | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL G   |
| U+1D65D | <b>h</b> | \mbfitsansh | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL H   |
| U+1D65E | <b>i</b> | \mbfitsansi | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL I   |
| U+1D65F | <b>j</b> | \mbfitsansj | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL J   |
| U+1D660 | <b>k</b> | \mbfitsansk | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL K   |
| U+1D661 | <b>l</b> | \mbfitsansl | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL L   |
| U+1D662 | <b>m</b> | \mbfitsansm | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL M   |
| U+1D663 | <b>n</b> | \mbfitsansn | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL N   |
| U+1D664 | <b>o</b> | \mbfitsanso | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL O   |
| U+1D665 | <b>p</b> | \mbfitsansp | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL P   |
| U+1D666 | <b>q</b> | \mbfitsansq | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Q   |
| U+1D667 | <b>r</b> | \mbfitsansr | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL R   |
| U+1D668 | <b>s</b> | \mbfitsanss | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL S   |
| U+1D669 | <b>t</b> | \mbfitsanst | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL T   |
| U+1D66A | <b>u</b> | \mbfitsansu | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL U   |
| U+1D66B | <b>v</b> | \mbfitsansv | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL V   |
| U+1D66C | <b>w</b> | \mbfitsansw | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL W   |
| U+1D66D | <b>x</b> | \mbfitsansx | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL X   |
| U+1D66E | <b>y</b> | \mbfitsansy | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Y   |
| U+1D66F | <b>z</b> | \mbfitsansz | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL Z   |
| U+1D670 | <b>A</b> | \mttA       | MATHEMATICAL MONOSPACE CAPITAL A              |
| U+1D671 | <b>B</b> | \mttB       | MATHEMATICAL MONOSPACE CAPITAL B              |
| U+1D672 | <b>C</b> | \mttC       | MATHEMATICAL MONOSPACE CAPITAL C              |
| U+1D673 | <b>D</b> | \mttD       | MATHEMATICAL MONOSPACE CAPITAL D              |
| U+1D674 | <b>E</b> | \mttE       | MATHEMATICAL MONOSPACE CAPITAL E              |
| U+1D675 | <b>F</b> | \mttF       | MATHEMATICAL MONOSPACE CAPITAL F              |
| U+1D676 | <b>G</b> | \mttG       | MATHEMATICAL MONOSPACE CAPITAL G              |
| U+1D677 | <b>H</b> | \mttH       | MATHEMATICAL MONOSPACE CAPITAL H              |
| U+1D678 | <b>I</b> | \mttI       | MATHEMATICAL MONOSPACE CAPITAL I              |
| U+1D679 | <b>J</b> | \mttJ       | MATHEMATICAL MONOSPACE CAPITAL J              |
| U+1D67A | <b>K</b> | \mttK       | MATHEMATICAL MONOSPACE CAPITAL K              |
| U+1D67B | <b>L</b> | \mttL       | MATHEMATICAL MONOSPACE CAPITAL L              |
| U+1D67C | <b>M</b> | \mttM       | MATHEMATICAL MONOSPACE CAPITAL M              |
| U+1D67D | <b>N</b> | \mttN       | MATHEMATICAL MONOSPACE CAPITAL N              |
| U+1D67E | <b>O</b> | \mttO       | MATHEMATICAL MONOSPACE CAPITAL O              |
| U+1D67F | <b>P</b> | \mttP       | MATHEMATICAL MONOSPACE CAPITAL P              |
| U+1D680 | <b>Q</b> | \mttQ       | MATHEMATICAL MONOSPACE CAPITAL Q              |
| U+1D681 | <b>R</b> | \mttR       | MATHEMATICAL MONOSPACE CAPITAL R              |
| U+1D682 | <b>S</b> | \mttS       | MATHEMATICAL MONOSPACE CAPITAL S              |
| U+1D683 | <b>T</b> | \mttT       | MATHEMATICAL MONOSPACE CAPITAL T              |



|         |          |                           |  |
|---------|----------|---------------------------|--|
| U+1D684 | <b>U</b> | <code>\mttU</code>        | MATHEMATICAL MONOSPACE CAPITAL U       |
| U+1D685 | <b>V</b> | <code>\mttV</code>        | MATHEMATICAL MONOSPACE CAPITAL V       |
| U+1D686 | <b>W</b> | <code>\mttW</code>        | MATHEMATICAL MONOSPACE CAPITAL W       |
| U+1D687 | <b>X</b> | <code>\mttX</code>        | MATHEMATICAL MONOSPACE CAPITAL X       |
| U+1D688 | <b>Y</b> | <code>\mttY</code>        | MATHEMATICAL MONOSPACE CAPITAL Y       |
| U+1D689 | <b>Z</b> | <code>\mttZ</code>        | MATHEMATICAL MONOSPACE CAPITAL Z       |
| U+1D68A | <b>a</b> | <code>\mtta</code>        | MATHEMATICAL MONOSPACE SMALL A         |
| U+1D68B | <b>b</b> | <code>\mttb</code>        | MATHEMATICAL MONOSPACE SMALL B         |
| U+1D68C | <b>c</b> | <code>\mttc</code>        | MATHEMATICAL MONOSPACE SMALL C         |
| U+1D68D | <b>d</b> | <code>\mttd</code>        | MATHEMATICAL MONOSPACE SMALL D         |
| U+1D68E | <b>e</b> | <code>\mtte</code>        | MATHEMATICAL MONOSPACE SMALL E         |
| U+1D68F | <b>f</b> | <code>\mttf</code>        | MATHEMATICAL MONOSPACE SMALL F         |
| U+1D690 | <b>g</b> | <code>\mttg</code>        | MATHEMATICAL MONOSPACE SMALL G         |
| U+1D691 | <b>h</b> | <code>\mtth</code>        | MATHEMATICAL MONOSPACE SMALL H         |
| U+1D692 | <b>i</b> | <code>\mtti</code>        | MATHEMATICAL MONOSPACE SMALL I         |
| U+1D693 | <b>j</b> | <code>\mttj</code>        | MATHEMATICAL MONOSPACE SMALL J         |
| U+1D694 | <b>k</b> | <code>\mttk</code>        | MATHEMATICAL MONOSPACE SMALL K         |
| U+1D695 | <b>l</b> | <code>\mttl</code>        | MATHEMATICAL MONOSPACE SMALL L         |
| U+1D696 | <b>m</b> | <code>\mttm</code>        | MATHEMATICAL MONOSPACE SMALL M         |
| U+1D697 | <b>n</b> | <code>\mttn</code>        | MATHEMATICAL MONOSPACE SMALL N         |
| U+1D698 | <b>o</b> | <code>\mtto</code>        | MATHEMATICAL MONOSPACE SMALL O         |
| U+1D699 | <b>p</b> | <code>\mttp</code>        | MATHEMATICAL MONOSPACE SMALL P         |
| U+1D69A | <b>q</b> | <code>\mttq</code>        | MATHEMATICAL MONOSPACE SMALL Q         |
| U+1D69B | <b>r</b> | <code>\mttr</code>        | MATHEMATICAL MONOSPACE SMALL R         |
| U+1D69C | <b>s</b> | <code>\mtts</code>        | MATHEMATICAL MONOSPACE SMALL S         |
| U+1D69D | <b>t</b> | <code>\mttt</code>        | MATHEMATICAL MONOSPACE SMALL T         |
| U+1D69E | <b>u</b> | <code>\mttu</code>        | MATHEMATICAL MONOSPACE SMALL U         |
| U+1D69F | <b>v</b> | <code>\mttv</code>        | MATHEMATICAL MONOSPACE SMALL V         |
| U+1D6A0 | <b>w</b> | <code>\mttw</code>        | MATHEMATICAL MONOSPACE SMALL W         |
| U+1D6A1 | <b>x</b> | <code>\mttx</code>        | MATHEMATICAL MONOSPACE SMALL X         |
| U+1D6A2 | <b>y</b> | <code>\mtty</code>        | MATHEMATICAL MONOSPACE SMALL Y         |
| U+1D6A3 | <b>z</b> | <code>\mttz</code>        | MATHEMATICAL MONOSPACE SMALL Z         |
| U+1D6A4 | <b>ı</b> | <code>\imath</code>       | MATHEMATICAL ITALIC SMALL DOTLESS I    |
| U+1D6A5 | <b>Ƶ</b> | <code>\jmath</code>       | MATHEMATICAL ITALIC SMALL DOTLESS J    |
| U+1D6A8 | <b>A</b> | <code>\mbfAlpha</code>    | MATHEMATICAL BOLD CAPITAL ALPHA        |
| U+1D6A9 | <b>B</b> | <code>\mbfBeta</code>     | MATHEMATICAL BOLD CAPITAL BETA         |
| U+1D6AA | <b>Γ</b> | <code>\mbfGamma</code>    | MATHEMATICAL BOLD CAPITAL GAMMA        |
| U+1D6AB | <b>Δ</b> | <code>\mbfDelta</code>    | MATHEMATICAL BOLD CAPITAL DELTA        |
| U+1D6AC | <b>E</b> | <code>\mbfEpsilon</code>  | MATHEMATICAL BOLD CAPITAL EPSILON      |
| U+1D6AD | <b>Z</b> | <code>\mbfZeta</code>     | MATHEMATICAL BOLD CAPITAL ZETA         |
| U+1D6AE | <b>H</b> | <code>\mbfEta</code>      | MATHEMATICAL BOLD CAPITAL ETA          |
| U+1D6AF | <b>Θ</b> | <code>\mbfTheta</code>    | MATHEMATICAL BOLD CAPITAL THETA        |
| U+1D6B0 | <b>I</b> | <code>\mbfIota</code>     | MATHEMATICAL BOLD CAPITAL IOTA         |
| U+1D6B1 | <b>K</b> | <code>\mbfKappa</code>    | MATHEMATICAL BOLD CAPITAL KAPPA        |
| U+1D6B2 | <b>Λ</b> | <code>\mbfLambda</code>   | MATHEMATICAL BOLD CAPITAL LAMBDA       |
| U+1D6B3 | <b>M</b> | <code>\mbfMu</code>       | MATHEMATICAL BOLD CAPITAL MU           |
| U+1D6B4 | <b>N</b> | <code>\mbfNu</code>       | MATHEMATICAL BOLD CAPITAL NU           |
| U+1D6B5 | <b>Ξ</b> | <code>\mbfXi</code>       | MATHEMATICAL BOLD CAPITAL XI           |
| U+1D6B6 | <b>O</b> | <code>\mbfOmicron</code>  | MATHEMATICAL BOLD CAPITAL OMICRON      |
| U+1D6B7 | <b>Π</b> | <code>\mbfPi</code>       | MATHEMATICAL BOLD CAPITAL PI           |
| U+1D6B8 | <b>P</b> | <code>\mbfRho</code>      | MATHEMATICAL BOLD CAPITAL RHO          |
| U+1D6B9 | <b>Θ</b> | <code>\mbfvarTheta</code> | MATHEMATICAL BOLD CAPITAL THETA SYMBOL |

|         |          |                             |                                     |
|---------|----------|-----------------------------|-------------------------------------|
| U+1D6BA | <b>Σ</b> | <code>\mbfSigma</code>      | MATHEMATICAL BOLD CAPITAL SIGMA     |
| U+1D6BB | <b>T</b> | <code>\mbfTau</code>        | MATHEMATICAL BOLD CAPITAL TAU       |
| U+1D6BC | <b>Υ</b> | <code>\mbfUpsilon</code>    | MATHEMATICAL BOLD CAPITAL UPSILON   |
| U+1D6BD | <b>Φ</b> | <code>\mbfPhi</code>        | MATHEMATICAL BOLD CAPITAL PHI       |
| U+1D6BE | <b>X</b> | <code>\mbfChi</code>        | MATHEMATICAL BOLD CAPITAL CHI       |
| U+1D6BF | <b>Ψ</b> | <code>\mbfPsi</code>        | MATHEMATICAL BOLD CAPITAL PSI       |
| U+1D6C0 | <b>Ω</b> | <code>\mbfOmega</code>      | MATHEMATICAL BOLD CAPITAL OMEGA     |
| U+1D6C2 | <b>α</b> | <code>\mbfalpha</code>      | MATHEMATICAL BOLD SMALL ALPHA       |
| U+1D6C3 | <b>β</b> | <code>\mbfbeta</code>       | MATHEMATICAL BOLD SMALL BETA        |
| U+1D6C4 | <b>γ</b> | <code>\mbfgamma</code>      | MATHEMATICAL BOLD SMALL GAMMA       |
| U+1D6C5 | <b>δ</b> | <code>\mbfdelta</code>      | MATHEMATICAL BOLD SMALL DELTA       |
| U+1D6C6 | <b>ε</b> | <code>\mbfepsilon</code>    | MATHEMATICAL BOLD SMALL EPSILON     |
| U+1D6C7 | <b>ζ</b> | <code>\mbfzeta</code>       | MATHEMATICAL BOLD SMALL ZETA        |
| U+1D6C8 | <b>η</b> | <code>\mbfeta</code>        | MATHEMATICAL BOLD SMALL ETA         |
| U+1D6C9 | <b>θ</b> | <code>\mbftheta</code>      | MATHEMATICAL BOLD SMALL THETA       |
| U+1D6CA | <b>ι</b> | <code>\mbfiota</code>       | MATHEMATICAL BOLD SMALL IOTA        |
| U+1D6CB | <b>κ</b> | <code>\mbfkappa</code>      | MATHEMATICAL BOLD SMALL KAPPA       |
| U+1D6CC | <b>λ</b> | <code>\mbflambda</code>     | MATHEMATICAL BOLD SMALL LAMBDA      |
| U+1D6CD | <b>μ</b> | <code>\mbfmu</code>         | MATHEMATICAL BOLD SMALL MU          |
| U+1D6CE | <b>ν</b> | <code>\mbfnu</code>         | MATHEMATICAL BOLD SMALL NU          |
| U+1D6CF | <b>ξ</b> | <code>\mbfxi</code>         | MATHEMATICAL BOLD SMALL XI          |
| U+1D6D0 | <b>ο</b> | <code>\mbfomicron</code>    | MATHEMATICAL BOLD SMALL OMICRON     |
| U+1D6D1 | <b>π</b> | <code>\mbfpi</code>         | MATHEMATICAL BOLD SMALL PI          |
| U+1D6D2 | <b>ρ</b> | <code>\mbfrho</code>        | MATHEMATICAL BOLD SMALL RHO         |
| U+1D6D3 | <b>ς</b> | <code>\mbfvarsigma</code>   | MATHEMATICAL BOLD SMALL FINAL SIGMA |
| U+1D6D4 | <b>σ</b> | <code>\mbfsigma</code>      | MATHEMATICAL BOLD SMALL SIGMA       |
| U+1D6D5 | <b>τ</b> | <code>\mbftau</code>        | MATHEMATICAL BOLD SMALL TAU         |
| U+1D6D6 | <b>υ</b> | <code>\mbfupsilon</code>    | MATHEMATICAL BOLD SMALL UPSILON     |
| U+1D6D7 | <b>φ</b> | <code>\mbfvarphi</code>     | MATHEMATICAL BOLD SMALL PHI         |
| U+1D6D8 | <b>χ</b> | <code>\mbfchi</code>        | MATHEMATICAL BOLD SMALL CHI         |
| U+1D6D9 | <b>ψ</b> | <code>\mbfpsi</code>        | MATHEMATICAL BOLD SMALL PSI         |
| U+1D6DA | <b>ω</b> | <code>\mbfomega</code>      | MATHEMATICAL BOLD SMALL OMEGA       |
| U+1D6DC | <b>ε</b> | <code>\mbfvarepsilon</code> | MATHEMATICAL BOLD EPSILON SYMBOL    |
| U+1D6DD | <b>θ</b> | <code>\mbfvartheta</code>   | MATHEMATICAL BOLD THETA SYMBOL      |
| U+1D6DE | <b>κ</b> | <code>\mbfvarkappa</code>   | MATHEMATICAL BOLD KAPPA SYMBOL      |
| U+1D6DF | <b>φ</b> | <code>\mbfphi</code>        | MATHEMATICAL BOLD PHI SYMBOL        |
| U+1D6E0 | <b>ρ</b> | <code>\mbfvarrho</code>     | MATHEMATICAL BOLD RHO SYMBOL        |
| U+1D6E1 | <b>π</b> | <code>\mbfvarpi</code>      | MATHEMATICAL BOLD PI SYMBOL         |
| U+1D6E2 | <b>A</b> | <code>\mitAlpha</code>      | MATHEMATICAL ITALIC CAPITAL ALPHA   |
| U+1D6E3 | <b>B</b> | <code>\mitBeta</code>       | MATHEMATICAL ITALIC CAPITAL BETA    |
| U+1D6E4 | <b>Γ</b> | <code>\mitGamma</code>      | MATHEMATICAL ITALIC CAPITAL GAMMA   |
| U+1D6E5 | <b>Δ</b> | <code>\mitDelta</code>      | MATHEMATICAL ITALIC CAPITAL DELTA   |
| U+1D6E6 | <b>E</b> | <code>\mitEpsilon</code>    | MATHEMATICAL ITALIC CAPITAL EPSILON |
| U+1D6E7 | <b>Z</b> | <code>\mitZeta</code>       | MATHEMATICAL ITALIC CAPITAL ZETA    |
| U+1D6E8 | <b>H</b> | <code>\mitEta</code>        | MATHEMATICAL ITALIC CAPITAL ETA     |
| U+1D6E9 | <b>Θ</b> | <code>\mitTheta</code>      | MATHEMATICAL ITALIC CAPITAL THETA   |
| U+1D6EA | <b>I</b> | <code>\mitIota</code>       | MATHEMATICAL ITALIC CAPITAL IOTA    |
| U+1D6EB | <b>K</b> | <code>\mitKappa</code>      | MATHEMATICAL ITALIC CAPITAL KAPPA   |
| U+1D6EC | <b>Λ</b> | <code>\mitLambda</code>     | MATHEMATICAL ITALIC CAPITAL LAMBDA  |
| U+1D6ED | <b>M</b> | <code>\mitMu</code>         | MATHEMATICAL ITALIC CAPITAL MU      |
| U+1D6EE | <b>N</b> | <code>\mitNu</code>         | MATHEMATICAL ITALIC CAPITAL NU      |
| U+1D6EF | <b>Ξ</b> | <code>\mitXi</code>         | MATHEMATICAL ITALIC CAPITAL XI      |

|         |          |                             |  |
|---------|----------|-----------------------------|--|
| U+1D6F0 | <b>O</b> | <code>\mitOmicron</code>    | MATHEMATICAL ITALIC CAPITAL OMICRON      |
| U+1D6F1 | <b>Π</b> | <code>\mitPi</code>         | MATHEMATICAL ITALIC CAPITAL PI           |
| U+1D6F2 | <b>P</b> | <code>\mitRho</code>        | MATHEMATICAL ITALIC CAPITAL RHO          |
| U+1D6F3 | <b>Θ</b> | <code>\mitvarTheta</code>   | MATHEMATICAL ITALIC CAPITAL THETA SYMBOL |
| U+1D6F4 | <b>Σ</b> | <code>\mitSigma</code>      | MATHEMATICAL ITALIC CAPITAL SIGMA        |
| U+1D6F5 | <b>T</b> | <code>\mitTau</code>        | MATHEMATICAL ITALIC CAPITAL TAU          |
| U+1D6F6 | <b>Υ</b> | <code>\mitUpsilon</code>    | MATHEMATICAL ITALIC CAPITAL UPSILON      |
| U+1D6F7 | <b>Φ</b> | <code>\mitPhi</code>        | MATHEMATICAL ITALIC CAPITAL PHI          |
| U+1D6F8 | <b>X</b> | <code>\mitChi</code>        | MATHEMATICAL ITALIC CAPITAL CHI          |
| U+1D6F9 | <b>Ψ</b> | <code>\mitPsi</code>        | MATHEMATICAL ITALIC CAPITAL PSI          |
| U+1D6FA | <b>Ω</b> | <code>\mitOmega</code>      | MATHEMATICAL ITALIC CAPITAL OMEGA        |
| U+1D6FC | <b>α</b> | <code>\mitalpha</code>      | MATHEMATICAL ITALIC SMALL ALPHA          |
| U+1D6FD | <b>β</b> | <code>\mitbeta</code>       | MATHEMATICAL ITALIC SMALL BETA           |
| U+1D6FE | <b>γ</b> | <code>\mitgamma</code>      | MATHEMATICAL ITALIC SMALL GAMMA          |
| U+1D6FF | <b>δ</b> | <code>\mitdelta</code>      | MATHEMATICAL ITALIC SMALL DELTA          |
| U+1D700 | <b>ε</b> | <code>\mitepsilon</code>    | MATHEMATICAL ITALIC SMALL EPSILON        |
| U+1D701 | <b>ζ</b> | <code>\mitzeta</code>       | MATHEMATICAL ITALIC SMALL ZETA           |
| U+1D702 | <b>η</b> | <code>\miteta</code>        | MATHEMATICAL ITALIC SMALL ETA            |
| U+1D703 | <b>θ</b> | <code>\mittheta</code>      | MATHEMATICAL ITALIC SMALL THETA          |
| U+1D704 | <b>ι</b> | <code>\mitiota</code>       | MATHEMATICAL ITALIC SMALL IOTA           |
| U+1D705 | <b>κ</b> | <code>\mitkappa</code>      | MATHEMATICAL ITALIC SMALL KAPPA          |
| U+1D706 | <b>λ</b> | <code>\mitlambda</code>     | MATHEMATICAL ITALIC SMALL LAMBDA         |
| U+1D707 | <b>μ</b> | <code>\mitmu</code>         | MATHEMATICAL ITALIC SMALL MU             |
| U+1D708 | <b>ν</b> | <code>\mitnu</code>         | MATHEMATICAL ITALIC SMALL NU             |
| U+1D709 | <b>ξ</b> | <code>\mitxi</code>         | MATHEMATICAL ITALIC SMALL XI             |
| U+1D70A | <b>ο</b> | <code>\mitomicron</code>    | MATHEMATICAL ITALIC SMALL OMICRON        |
| U+1D70B | <b>π</b> | <code>\mitpi</code>         | MATHEMATICAL ITALIC SMALL PI             |
| U+1D70C | <b>ρ</b> | <code>\mitrho</code>        | MATHEMATICAL ITALIC SMALL RHO            |
| U+1D70D | <b>ς</b> | <code>\mitvarsigma</code>   | MATHEMATICAL ITALIC SMALL FINAL SIGMA    |
| U+1D70E | <b>σ</b> | <code>\mitsigma</code>      | MATHEMATICAL ITALIC SMALL SIGMA          |
| U+1D70F | <b>τ</b> | <code>\mittau</code>        | MATHEMATICAL ITALIC SMALL TAU            |
| U+1D710 | <b>υ</b> | <code>\mitupsilon</code>    | MATHEMATICAL ITALIC SMALL UPSILON        |
| U+1D711 | <b>φ</b> | <code>\mitphi</code>        | MATHEMATICAL ITALIC SMALL PHI            |
| U+1D712 | <b>χ</b> | <code>\mitchi</code>        | MATHEMATICAL ITALIC SMALL CHI            |
| U+1D713 | <b>ψ</b> | <code>\mitpsi</code>        | MATHEMATICAL ITALIC SMALL PSI            |
| U+1D714 | <b>ω</b> | <code>\mitomega</code>      | MATHEMATICAL ITALIC SMALL OMEGA          |
| U+1D716 | <b>ε</b> | <code>\mitvarepsilon</code> | MATHEMATICAL ITALIC EPSILON SYMBOL       |
| U+1D717 | <b>θ</b> | <code>\mitvartheta</code>   | MATHEMATICAL ITALIC THETA SYMBOL         |
| U+1D718 | <b>κ</b> | <code>\mitvarkappa</code>   | MATHEMATICAL ITALIC KAPPA SYMBOL         |
| U+1D719 | <b>φ</b> | <code>\mitvarphi</code>     | MATHEMATICAL ITALIC PHI SYMBOL           |
| U+1D71A | <b>ρ</b> | <code>\mitvarrho</code>     | MATHEMATICAL ITALIC RHO SYMBOL           |
| U+1D71B | <b>ω</b> | <code>\mitvarpi</code>      | MATHEMATICAL ITALIC PI SYMBOL            |
| U+1D71C | <b>A</b> | <code>\mbfitAlpha</code>    | MATHEMATICAL BOLD ITALIC CAPITAL ALPHA   |
| U+1D71D | <b>B</b> | <code>\mbfitBeta</code>     | MATHEMATICAL BOLD ITALIC CAPITAL BETA    |
| U+1D71E | <b>Γ</b> | <code>\mbfitGamma</code>    | MATHEMATICAL BOLD ITALIC CAPITAL GAMMA   |
| U+1D71F | <b>Δ</b> | <code>\mbfitDelta</code>    | MATHEMATICAL BOLD ITALIC CAPITAL DELTA   |
| U+1D720 | <b>E</b> | <code>\mbfitEpsilon</code>  | MATHEMATICAL BOLD ITALIC CAPITAL EPSILON |
| U+1D721 | <b>Z</b> | <code>\mbfitZeta</code>     | MATHEMATICAL BOLD ITALIC CAPITAL ZETA    |
| U+1D722 | <b>H</b> | <code>\mbfitEta</code>      | MATHEMATICAL BOLD ITALIC CAPITAL ETA     |
| U+1D723 | <b>Θ</b> | <code>\mbfitTheta</code>    | MATHEMATICAL BOLD ITALIC CAPITAL THETA   |
| U+1D724 | <b>I</b> | <code>\mbfitIota</code>     | MATHEMATICAL BOLD ITALIC CAPITAL IOTA    |
| U+1D725 | <b>K</b> | <code>\mbfitKappa</code>    | MATHEMATICAL BOLD ITALIC CAPITAL KAPPA   |

|         |          |                               |   |
|---------|----------|-------------------------------|---|
| U+1D726 | <b>Λ</b> | <code>\mbfitLambda</code>     | MATHEMATICAL BOLD ITALIC CAPITAL LAMBDA       |
| U+1D727 | <b>Μ</b> | <code>\mbfitMu</code>         | MATHEMATICAL BOLD ITALIC CAPITAL MU           |
| U+1D728 | <b>Ν</b> | <code>\mbfitNu</code>         | MATHEMATICAL BOLD ITALIC CAPITAL NU           |
| U+1D729 | <b>Ξ</b> | <code>\mbfitXi</code>         | MATHEMATICAL BOLD ITALIC CAPITAL XI           |
| U+1D72A | <b>Ο</b> | <code>\mbfitOmicron</code>    | MATHEMATICAL BOLD ITALIC CAPITAL OMICRON      |
| U+1D72B | <b>Π</b> | <code>\mbfitPi</code>         | MATHEMATICAL BOLD ITALIC CAPITAL PI           |
| U+1D72C | <b>Ρ</b> | <code>\mbfitRho</code>        | MATHEMATICAL BOLD ITALIC CAPITAL RHO          |
| U+1D72D | <b>Θ</b> | <code>\mbfitvarTheta</code>   | MATHEMATICAL BOLD ITALIC CAPITAL THETA SYMBOL |
| U+1D72E | <b>Σ</b> | <code>\mbfitSigma</code>      | MATHEMATICAL BOLD ITALIC CAPITAL SIGMA        |
| U+1D72F | <b>Τ</b> | <code>\mbfitTau</code>        | MATHEMATICAL BOLD ITALIC CAPITAL TAU          |
| U+1D730 | <b>Υ</b> | <code>\mbfitUpsilon</code>    | MATHEMATICAL BOLD ITALIC CAPITAL UPSILON      |
| U+1D731 | <b>Φ</b> | <code>\mbfitPhi</code>        | MATHEMATICAL BOLD ITALIC CAPITAL PHI          |
| U+1D732 | <b>Χ</b> | <code>\mbfitChi</code>        | MATHEMATICAL BOLD ITALIC CAPITAL CHI          |
| U+1D733 | <b>Ψ</b> | <code>\mbfitPsi</code>        | MATHEMATICAL BOLD ITALIC CAPITAL PSI          |
| U+1D734 | <b>Ω</b> | <code>\mbfitOmega</code>      | MATHEMATICAL BOLD ITALIC CAPITAL OMEGA        |
| U+1D736 | <b>α</b> | <code>\mbfitalpha</code>      | MATHEMATICAL BOLD ITALIC SMALL ALPHA          |
| U+1D737 | <b>β</b> | <code>\mbfitbeta</code>       | MATHEMATICAL BOLD ITALIC SMALL BETA           |
| U+1D738 | <b>γ</b> | <code>\mbfitgamma</code>      | MATHEMATICAL BOLD ITALIC SMALL GAMMA          |
| U+1D739 | <b>δ</b> | <code>\mbfitdelta</code>      | MATHEMATICAL BOLD ITALIC SMALL DELTA          |
| U+1D73A | <b>ε</b> | <code>\mbfitepsilon</code>    | MATHEMATICAL BOLD ITALIC SMALL EPSILON        |
| U+1D73B | <b>ζ</b> | <code>\mbfitzeta</code>       | MATHEMATICAL BOLD ITALIC SMALL ZETA           |
| U+1D73C | <b>η</b> | <code>\mbfiteta</code>        | MATHEMATICAL BOLD ITALIC SMALL ETA            |
| U+1D73D | <b>θ</b> | <code>\mbfittheta</code>      | MATHEMATICAL BOLD ITALIC SMALL THETA          |
| U+1D73E | <b>ι</b> | <code>\mbfitiota</code>       | MATHEMATICAL BOLD ITALIC SMALL IOTA           |
| U+1D73F | <b>κ</b> | <code>\mbfitkappa</code>      | MATHEMATICAL BOLD ITALIC SMALL KAPPA          |
| U+1D740 | <b>λ</b> | <code>\mbfitlambda</code>     | MATHEMATICAL BOLD ITALIC SMALL LAMBDA         |
| U+1D741 | <b>μ</b> | <code>\mbfitmu</code>         | MATHEMATICAL BOLD ITALIC SMALL MU             |
| U+1D742 | <b>ν</b> | <code>\mbfitnu</code>         | MATHEMATICAL BOLD ITALIC SMALL NU             |
| U+1D743 | <b>ξ</b> | <code>\mbfitxi</code>         | MATHEMATICAL BOLD ITALIC SMALL XI             |
| U+1D744 | <b>ο</b> | <code>\mbfitomicron</code>    | MATHEMATICAL BOLD ITALIC SMALL OMICRON        |
| U+1D745 | <b>π</b> | <code>\mbfitpi</code>         | MATHEMATICAL BOLD ITALIC SMALL PI             |
| U+1D746 | <b>ρ</b> | <code>\mbfitrho</code>        | MATHEMATICAL BOLD ITALIC SMALL RHO            |
| U+1D747 | <b>ς</b> | <code>\mbfitvarsigma</code>   | MATHEMATICAL BOLD ITALIC SMALL FINAL SIGMA    |
| U+1D748 | <b>σ</b> | <code>\mbfitsigma</code>      | MATHEMATICAL BOLD ITALIC SMALL SIGMA          |
| U+1D749 | <b>τ</b> | <code>\mbfittau</code>        | MATHEMATICAL BOLD ITALIC SMALL TAU            |
| U+1D74A | <b>υ</b> | <code>\mbfitupsilon</code>    | MATHEMATICAL BOLD ITALIC SMALL UPSILON        |
| U+1D74B | <b>φ</b> | <code>\mbfitphi</code>        | MATHEMATICAL BOLD ITALIC SMALL PHI            |
| U+1D74C | <b>χ</b> | <code>\mbfitchi</code>        | MATHEMATICAL BOLD ITALIC SMALL CHI            |
| U+1D74D | <b>ψ</b> | <code>\mbfitpsi</code>        | MATHEMATICAL BOLD ITALIC SMALL PSI            |
| U+1D74E | <b>ω</b> | <code>\mbfitomega</code>      | MATHEMATICAL BOLD ITALIC SMALL OMEGA          |
| U+1D750 | <b>ε</b> | <code>\mbfitvarepsilon</code> | MATHEMATICAL BOLD ITALIC EPSILON SYMBOL       |
| U+1D751 | <b>θ</b> | <code>\mbfitvartheta</code>   | MATHEMATICAL BOLD ITALIC THETA SYMBOL         |
| U+1D752 | <b>κ</b> | <code>\mbfitvarkappa</code>   | MATHEMATICAL BOLD ITALIC KAPPA SYMBOL         |
| U+1D753 | <b>φ</b> | <code>\mbfitvarphi</code>     | MATHEMATICAL BOLD ITALIC PHI SYMBOL           |
| U+1D754 | <b>ρ</b> | <code>\mbfitvarrho</code>     | MATHEMATICAL BOLD ITALIC RHO SYMBOL           |
| U+1D755 | <b>ω</b> | <code>\mbfitvarpi</code>      | MATHEMATICAL BOLD ITALIC PI SYMBOL            |
| U+1D756 | <b>A</b> | <code>\mbfsansAlpha</code>    | MATHEMATICAL SANS-SERIF BOLD CAPITAL ALPHA    |
| U+1D757 | <b>B</b> | <code>\mbfsansBeta</code>     | MATHEMATICAL SANS-SERIF BOLD CAPITAL BETA     |
| U+1D758 | <b>Γ</b> | <code>\mbfsansGamma</code>    | MATHEMATICAL SANS-SERIF BOLD CAPITAL GAMMA    |
| U+1D759 | <b>Δ</b> | <code>\mbfsansDelta</code>    | MATHEMATICAL SANS-SERIF BOLD CAPITAL DELTA    |
| U+1D75A | <b>E</b> | <code>\mbfsansEpsilon</code>  | MATHEMATICAL SANS-SERIF BOLD CAPITAL EPSILON  |
| U+1D75B | <b>Z</b> | <code>\mbfsansZeta</code>     | MATHEMATICAL SANS-SERIF BOLD CAPITAL ZETA     |

|         |          |                    |   |
|---------|----------|--------------------|---|
| U+1D75C | <b>H</b> | \mbfsansEta        | MATHEMATICAL SANS-SERIF BOLD CAPITAL ETA          |
| U+1D75D | <b>Θ</b> | \mbfsansTheta      | MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA        |
| U+1D75E | <b>I</b> | \mbfsansIota       | MATHEMATICAL SANS-SERIF BOLD CAPITAL IOTA         |
| U+1D75F | <b>K</b> | \mbfsansKappa      | MATHEMATICAL SANS-SERIF BOLD CAPITAL KAPPA        |
| U+1D760 | <b>Λ</b> | \mbfsansLambda     | MATHEMATICAL SANS-SERIF BOLD CAPITAL LAMBDA       |
| U+1D761 | <b>M</b> | \mbfsansMu         | MATHEMATICAL SANS-SERIF BOLD CAPITAL MU           |
| U+1D762 | <b>N</b> | \mbfsansNu         | MATHEMATICAL SANS-SERIF BOLD CAPITAL NU           |
| U+1D763 | <b>Ξ</b> | \mbfsansXi         | MATHEMATICAL SANS-SERIF BOLD CAPITAL XI           |
| U+1D764 | <b>O</b> | \mbfsansOmicron    | MATHEMATICAL SANS-SERIF BOLD CAPITAL OMICRON      |
| U+1D765 | <b>Π</b> | \mbfsansPi         | MATHEMATICAL SANS-SERIF BOLD CAPITAL PI           |
| U+1D766 | <b>P</b> | \mbfsansRho        | MATHEMATICAL SANS-SERIF BOLD CAPITAL RHO          |
| U+1D767 | <b>Θ</b> | \mbfsansvarTheta   | MATHEMATICAL SANS-SERIF BOLD CAPITAL THETA SYMBOL |
| U+1D768 | <b>Σ</b> | \mbfsansSigma      | MATHEMATICAL SANS-SERIF BOLD CAPITAL SIGMA        |
| U+1D769 | <b>T</b> | \mbfsansTau        | MATHEMATICAL SANS-SERIF BOLD CAPITAL TAU          |
| U+1D76A | <b>Υ</b> | \mbfsansUpsilon    | MATHEMATICAL SANS-SERIF BOLD CAPITAL UPSILON      |
| U+1D76B | <b>Φ</b> | \mbfsansPhi        | MATHEMATICAL SANS-SERIF BOLD CAPITAL PHI          |
| U+1D76C | <b>X</b> | \mbfsansChi        | MATHEMATICAL SANS-SERIF BOLD CAPITAL CHI          |
| U+1D76D | <b>Ψ</b> | \mbfsansPsi        | MATHEMATICAL SANS-SERIF BOLD CAPITAL PSI          |
| U+1D76E | <b>Ω</b> | \mbfsansOmega      | MATHEMATICAL SANS-SERIF BOLD CAPITAL OMEGA        |
| U+1D770 | <b>α</b> | \mbfsansalpha      | MATHEMATICAL SANS-SERIF BOLD SMALL ALPHA          |
| U+1D771 | <b>β</b> | \mbfsansbeta       | MATHEMATICAL SANS-SERIF BOLD SMALL BETA           |
| U+1D772 | <b>γ</b> | \mbfsansgamma      | MATHEMATICAL SANS-SERIF BOLD SMALL GAMMA          |
| U+1D773 | <b>δ</b> | \mbfsansdelta      | MATHEMATICAL SANS-SERIF BOLD SMALL DELTA          |
| U+1D774 | <b>ε</b> | \mbfsansepsilon    | MATHEMATICAL SANS-SERIF BOLD SMALL EPSILON        |
| U+1D775 | <b>ζ</b> | \mbfsanszeta       | MATHEMATICAL SANS-SERIF BOLD SMALL ZETA           |
| U+1D776 | <b>η</b> | \mbfsanseta        | MATHEMATICAL SANS-SERIF BOLD SMALL ETA            |
| U+1D777 | <b>θ</b> | \mbfsanstheta      | MATHEMATICAL SANS-SERIF BOLD SMALL THETA          |
| U+1D778 | <b>ι</b> | \mbfsansiota       | MATHEMATICAL SANS-SERIF BOLD SMALL IOTA           |
| U+1D779 | <b>κ</b> | \mbfsanskappa      | MATHEMATICAL SANS-SERIF BOLD SMALL KAPPA          |
| U+1D77A | <b>λ</b> | \mbfsanslambda     | MATHEMATICAL SANS-SERIF BOLD SMALL LAMBDA         |
| U+1D77B | <b>μ</b> | \mbfsansmu         | MATHEMATICAL SANS-SERIF BOLD SMALL MU             |
| U+1D77C | <b>ν</b> | \mbfsansnu         | MATHEMATICAL SANS-SERIF BOLD SMALL NU             |
| U+1D77D | <b>ξ</b> | \mbfsansxi         | MATHEMATICAL SANS-SERIF BOLD SMALL XI             |
| U+1D77E | <b>ο</b> | \mbfsansomicron    | MATHEMATICAL SANS-SERIF BOLD SMALL OMICRON        |
| U+1D77F | <b>π</b> | \mbfsanspi         | MATHEMATICAL SANS-SERIF BOLD SMALL PI             |
| U+1D780 | <b>ρ</b> | \mbfsansrho        | MATHEMATICAL SANS-SERIF BOLD SMALL RHO            |
| U+1D781 | <b>ς</b> | \mbfsansvarsigma   | MATHEMATICAL SANS-SERIF BOLD SMALL FINAL SIGMA    |
| U+1D782 | <b>σ</b> | \mbfsanssigma      | MATHEMATICAL SANS-SERIF BOLD SMALL SIGMA          |
| U+1D783 | <b>τ</b> | \mbfsanstau        | MATHEMATICAL SANS-SERIF BOLD SMALL TAU            |
| U+1D784 | <b>υ</b> | \mbfsansupsilon    | MATHEMATICAL SANS-SERIF BOLD SMALL UPSILON        |
| U+1D785 | <b>φ</b> | \mbfsansphi        | MATHEMATICAL SANS-SERIF BOLD SMALL PHI            |
| U+1D786 | <b>χ</b> | \mbfsanschi        | MATHEMATICAL SANS-SERIF BOLD SMALL CHI            |
| U+1D787 | <b>ψ</b> | \mbfsanspsi        | MATHEMATICAL SANS-SERIF BOLD SMALL PSI            |
| U+1D788 | <b>ω</b> | \mbfsansomega      | MATHEMATICAL SANS-SERIF BOLD SMALL OMEGA          |
| U+1D78A | <b>ε</b> | \mbfsansvarepsilon | MATHEMATICAL SANS-SERIF BOLD EPSILON SYMBOL       |
| U+1D78B | <b>θ</b> | \mbfsansvartheta   | MATHEMATICAL SANS-SERIF BOLD THETA SYMBOL         |
| U+1D78C | <b>κ</b> | \mbfsansvarkappa   | MATHEMATICAL SANS-SERIF BOLD KAPPA SYMBOL         |
| U+1D78D | <b>φ</b> | \mbfsansvarphi     | MATHEMATICAL SANS-SERIF BOLD PHI SYMBOL           |
| U+1D78E | <b>ρ</b> | \mbfsansvarrho     | MATHEMATICAL SANS-SERIF BOLD RHO SYMBOL           |
| U+1D78F | <b>π</b> | \mbfsansvarpi      | MATHEMATICAL SANS-SERIF BOLD PI SYMBOL            |
| U+1D790 | <b>A</b> | \mbfitsansAlpha    | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ALPHA |
| U+1D791 | <b>B</b> | \mbfitsansBeta     | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL BETA  |

|         |          |                      |  |
|---------|----------|----------------------|--|
| U+1D792 | <b>Γ</b> | \mbfitsansGamma      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL GAMMA        |
| U+1D793 | <b>Δ</b> | \mbfitsansDelta      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL DELTA        |
| U+1D794 | <b>Ε</b> | \mbfitsansEpsilon    | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL EPSILON      |
| U+1D795 | <b>Ζ</b> | \mbfitsansZeta       | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ZETA         |
| U+1D796 | <b>Η</b> | \mbfitsansEta        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL ETA          |
| U+1D797 | <b>Θ</b> | \mbfitsansTheta      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL THETA        |
| U+1D798 | <b>Ι</b> | \mbfitsansIota       | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL IOTA         |
| U+1D799 | <b>Κ</b> | \mbfitsansKappa      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL KAPPA        |
| U+1D79A | <b>Λ</b> | \mbfitsansLambda     | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL LAMBDA       |
| U+1D79B | <b>Μ</b> | \mbfitsansMu         | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL MU           |
| U+1D79C | <b>Ν</b> | \mbfitsansNu         | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL NU           |
| U+1D79D | <b>Ξ</b> | \mbfitsansXi         | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL XI           |
| U+1D79E | <b>Ο</b> | \mbfitsansOmicron    | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL OMICRON      |
| U+1D79F | <b>Π</b> | \mbfitsansPi         | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PI           |
| U+1D7A0 | <b>Ρ</b> | \mbfitsansRho        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL RHO          |
| U+1D7A1 | <b>Θ</b> | \mbfitsansvarTheta   | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL THETA SYMBOL |
| U+1D7A2 | <b>Σ</b> | \mbfitsansSigma      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL SIGMA        |
| U+1D7A3 | <b>Τ</b> | \mbfitsansTau        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL TAU          |
| U+1D7A4 | <b>Υ</b> | \mbfitsansUpsilon    | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL UPSILON      |
| U+1D7A5 | <b>Φ</b> | \mbfitsansPhi        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PHI          |
| U+1D7A6 | <b>Χ</b> | \mbfitsansChi        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL CHI          |
| U+1D7A7 | <b>Ψ</b> | \mbfitsansPsi        | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL PSI          |
| U+1D7A8 | <b>Ω</b> | \mbfitsansOmega      | MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL OMEGA        |
| U+1D7AA | <b>α</b> | \mbfitsansalpha      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ALPHA          |
| U+1D7AB | <b>β</b> | \mbfitsansbeta       | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL BETA           |
| U+1D7AC | <b>γ</b> | \mbfitsansgamma      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL GAMMA          |
| U+1D7AD | <b>δ</b> | \mbfitsansdelta      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL DELTA          |
| U+1D7AE | <b>ε</b> | \mbfitsansepsilon    | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL EPSILON        |
| U+1D7AF | <b>ζ</b> | \mbfitsanszeta       | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ZETA           |
| U+1D7B0 | <b>η</b> | \mbfitsanseta        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ETA            |
| U+1D7B1 | <b>θ</b> | \mbfitsanstheta      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL THETA          |
| U+1D7B2 | <b>ι</b> | \mbfitsansiota       | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL IOTA           |
| U+1D7B3 | <b>κ</b> | \mbfitsanskappa      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL KAPPA          |
| U+1D7B4 | <b>λ</b> | \mbfitsanslambda     | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL LAMBDA         |
| U+1D7B5 | <b>μ</b> | \mbfitsansmu         | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL MU             |
| U+1D7B6 | <b>ν</b> | \mbfitsansnu         | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL NU             |
| U+1D7B7 | <b>ξ</b> | \mbfitsansxi         | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL XI             |
| U+1D7B8 | <b>ο</b> | \mbfitsansomicron    | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMICRON        |
| U+1D7B9 | <b>π</b> | \mbfitsanspi         | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PI             |
| U+1D7BA | <b>ρ</b> | \mbfitsansrho        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL RHO            |
| U+1D7BB | <b>ς</b> | \mbfitsansvarsigma   | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL FINAL SIGMA    |
| U+1D7BC | <b>σ</b> | \mbfitsanssigma      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL SIGMA          |
| U+1D7BD | <b>τ</b> | \mbfitsanstau        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL TAU            |
| U+1D7BE | <b>υ</b> | \mbfitsansupsilon    | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL UPSILON        |
| U+1D7BF | <b>φ</b> | \mbfitsansphi        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PHI            |
| U+1D7C0 | <b>χ</b> | \mbfitsanschi        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL CHI            |
| U+1D7C1 | <b>ψ</b> | \mbfitsanspsi        | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL PSI            |
| U+1D7C2 | <b>ω</b> | \mbfitsansomega      | MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMEGA          |
| U+1D7C4 | <b>ε</b> | \mbfitsansvarepsilon | MATHEMATICAL SANS-SERIF BOLD ITALIC EPSILON SYMBOL       |
| U+1D7C5 | <b>θ</b> | \mbfitsansvartheta   | MATHEMATICAL SANS-SERIF BOLD ITALIC THETA SYMBOL         |
| U+1D7C6 | <b>κ</b> | \mbfitsansvarkappa   | MATHEMATICAL SANS-SERIF BOLD ITALIC KAPPA SYMBOL         |
| U+1D7C7 | <b>φ</b> | \mbfitsansvarphi     | MATHEMATICAL SANS-SERIF BOLD ITALIC PHI SYMBOL           |

|         |          |                               |  |
|---------|----------|-------------------------------|--|
| U+1D7C8 | <b>ϱ</b> | <code>\mbfitsansvarrho</code> | MATHEMATICAL SANS-SERIF BOLD ITALIC RHO SYMBOL |
| U+1D7C9 | <b>ϰ</b> | <code>\mbfitsansvarpi</code>  | MATHEMATICAL SANS-SERIF BOLD ITALIC PI SYMBOL  |
| U+1D7CA | <b>Ɔ</b> | <code>\mbfDigamma</code>      | MATHEMATICAL BOLD CAPITAL DIGAMMA              |
| U+1D7CB | <b>Ɔ</b> | <code>\mbfdigamma</code>      | MATHEMATICAL BOLD SMALL DIGAMMA                |

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