# MathClassEx.docx. This corresponds to UTR #25 revision 12.

# Last revised 2011-02-07

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# This file is a classification of characters based on their usage in

# mathematical notation and providing a mapping to standard entity

# sets commonly used for SGML and MathML documents.

#

# While the contents of this file represent the best information

# available to the authors and the Unicode Technical Committee as

# of the date referenced above, it is likely that the information

# in this file will change from time to time. Most importantly,

# the mapping of characters to the ISO standard SGML entity sets

# is under review by the relevant ISO committee and may therefore

# change.

#

# This file is \*NOT\* formally part of the Unicode Character

# Database at this time. It is used to create the corresponding text

# version MathClassEx.txt.

#

# The file consists of 7 fields. The number and type of fields in

# this file may change in future versions.

#

# 1: code point or range

#

# 2: class, one of:

#

# N - Normal - includes all digits and symbols requiring only one form

# A - Alphabetic

# B - Binary

# C - Closing - usually paired with opening delimiter

# D - Diacritic

# F - Fence - unpaired delimiter (often used as opening or closing)

# G - Glyph\_Part - piece of large operator

# L - Large - n-ary or large operator, often takes limits

# O - Opening - usually paired with closing delimiter

# P - Punctuation

# R - Relation - includes arrows

# S - Space

# U - Unary - operators that are only unary

# V - Vary - operators that can be unary or binary depending on context

# X - Special - characters not covered by other classes

#

# C, O, and F operators are stretchy. In addition, some binary operators such

# as 002F are stretchy as noted in the descriptive comments. The classes are

# also useful in determining extra spacing around the operators as discussed

# in UTR #25.

#

# 3: Unicode character (UTF-8)

#

# 4: entity name

#

# 5: ISO entity set

#

# 6: descriptive comments (of various types)

# The descriptive comments provide more information about a character,

# or its specific appearance. Some descriptions contain common macro

# names (with slash) but in the majority of cases, the description is

# simply the description of the entity in the published entity set, if

# different from the formal Unicode character name. Minor differences

# in word order, punctuation and verb forms have been ignored, but not

# systematic differences in terminology, such as filled vs. black.

# In principle this allows location of entities by their description.

#

# 7: Unicode ‘name’ (or name range), in all caps. Unicode ‘names’ and name ranges

# are provided for ease of reference only. They are not normative and may not

# always match the official character names.

#

# Some character positions in the Mathematical Alphanumeric Symbols block are

# reserved and have been mapped to the Letterlike Symbols block in Unicode.

# This is indicated in 23 special purpose comments.

#

# Updated to reflect character repertoire of Unicode 6.0. For more information

# see revision 12 or later of UTR #25.

# ------------------------------------------------

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **code point** | **class** | **char** | **entity name** | **entity set** | **note/description** | **CHARACTER NAME** |
| 0020 | S |  |  |  |  | SPACE |
| 0021 | N | ! | excl | ISONUM | Factorial spacing | EXCLAMATION MARK |
| 0021 | N | ! | fact |  |  | FACTORIAL |
| 0023 | N | # | num | ISONUM |  | NUMBER SIGN |
| 0024 | N | $ | dollar | ISONUM |  | DOLLAR SIGN |
| 0025 | N | % | percnt | ISONUM |  | PERCENT SIGN |
| 0026 | N | & | amp | ISONUM |  | AMPERSAND |
| 0028 | O | ( | lpar | ISONUM |  | LEFT PARENTHESIS |
| 0029 | C | ) | rpar | ISONUM |  | RIGHT PARENTHESIS |
| 002A | N | \* | ast | ISONUM | [high, not /ast] | ASTERISK |
| 002B | V | + | plus |  |  | PLUS SIGN |
| 002C | P | , | comma | ISONUM |  | COMMA |
| 002D | N | - |  |  | (deprecated for math)  | HYPHEN-MINUS |
| 002E | P | . | period | ISONUM | period | FULL STOP |
| 002F | B | / | sol | ISONUM | No extra spacing, stretchy | SOLIDUS |
| 0030..0039 | N | 0..9 |  |  |  | DIGIT 0..9 |
| 003A | P | : | colon | ISONUM |  | COLON |
| 003B | P | ; | semi | ISONUM |  | SEMICOLON |
| 003C | R | < | lt | ISONUM |  | LESS-THAN SIGN |
| 003D | R | = | equals | ISONUM |  | EQUALS SIGN |
| 003E | R | > | gt | ISONUM |  | GREATER-THAN SIGN |
| 003F | P | ? | quest | ISONUM |  | QUESTION MARK |
| 0040 | N | @ | commat | ISONUM |  | COMMERCIAL AT |
| 0041..005A | A | A..Z |  |  |  | LATIN CAPITAL LETTER A..Z |
| 005B | O | [ | lsqb | ISONUM |  | LEFT SQUARE BRACKET |
| 005C | B | \ | bsol | ISONUM | No extra spacing, stretchy | REVERSE SOLIDUS |
| 005D | C | ] | rsqb | ISONUM |  | RIGHT SQUARE BRACKET |
| 005E | N | ^ |  |  | TeX superscript operator | CIRCUMFLEX ACCENT |
| 005F | N | \_ |  |  | TeX subscript operator | LOW LINE |
| 0060 | D | ` | grave |  | Alias for 0300 | GRAVE ACCENT |
| 0061..007A | A | a..z |  |  |  | LATIN SMALL LETTER a..z |
| 007B | O | { | lcub | ISONUM |  | LEFT CURLY BRACKET |
| 007C | F | | | verbar | ISONUM |  | VERTICAL BAR |
| 007D | C | } | rcub | ISONUM |  | RIGHT CURLY BRACKET |
| 007E | N | ~ |  |  |  | TILDE |
| 00A0 | S |  | nbsp |  |  | NO-BREAK SPACE |
| 00A1 | P | ¡ | iexcl | ISONUM |  | INVERTED EXCLAMATION MARK |
| 00A2 | N | ¢ | cent | ISONUM |  | CENT SIGN |
| 00A3 | N | £ | pound | ISONUM |  | POUND SIGN |
| 00A4 | N | ¤ | curren | ISONUM |  | CURRENCY SIGN |
| 00A5 | N | ¥ | yen | ISONUM |  | YEN SIGN |
| 00A6 | N | ¦ | brvbar | ISONUM |  (vertical)  | BROKEN BAR |
| 00A7 | N | § | sect | ISONUM |  | SECTION SIGN |
| 00A8 | D | ¨ | Dot |  | /die, Alias for 0308 | DIAERESIS |
| 00AC | U | ¬ | not | ISONUM |  /neg /lnot  | NOT SIGN |
| 00AF | D | ¯ | macr |  | Alias for 0304  | MACRON |
| 00B0 | N | ° | deg | ISONUM |  | DEGREE SIGN |
| 00B1 | V | ± | plusmn | ISONUM |  | PLUS-OR-MINUS SIGN |
| 00B2 | N | ² | sup2 | ISONUM |  | SUPERSCRIPT TWO |
| 00B3 | N | ³ | sup3 | ISONUM |  | SUPERSCRIPT THREE |
| 00B4 | N | ´ | acute |  | Alias for 0301 | ACUTE ACCENT |
| 00B5 | N | µ | micro | ISONUM |  | MICRO SIGN |
| 00B6 | N | ¶ | para | ISONUM |  (paragraph sign)  | PILCROW SIGN |
| 00B7 | B | · | middot | ISONUM |  /centerdot  | MIDDLE DOT |
| 00B9 | N | ¹ | sup1 | ISONUM |  | SUPERSCRIPT ONE |
| 00BC | N | ¼ | frac14 | ISONUM |  | VULGAR FRACTION ONE QUARTER |
| 00BD | N | ½ | frac12 | ISONUM |  | VULGAR FRACTION ONE HALF |
| 00BE | N | ¾ | frac34 | ISONUM |  | VULGAR FRACTION THREE QUARTERS |
| 00BF | P | ¿ | iquest | ISONUM |  | INVERTED QUESTION MARK |
| 00D7 | B | × | times | ISONUM |  | MULTIPLICATION SIGN |
| 00F7 | B | ÷ | divide | ISONUM |  | DIVISION SIGN |
| 0131 | A | ı | imath |  |  | LATIN SMALL LETTER DOTLESS I |
| 0237 | A | ȷ | jmath |  |  | LATIN SMALL LETTER DOTLESS J |
| 02C6 | D | ˆ | circ |  | Alias for 0302 | MODIFIER LETTER CIRCUMFLEX ACCENT |
| 02C7 | D | ˇ | caron |  | Alias for 030C | CARON |
| 02D8 | D | ˘ | breve |  | Alias for 0306 | BREVE |
| 02D9 | D | ˙ | dot |  | Alias for 0307 | DOT ABOVE |
| 02DA | D | ˚ | ring |  | Alias for 030A | RING ABOVE |
| 02DC | D | ˜ | tilde |  | Alias for 0303 | SMALL TILDE |
| 0300 | D | ̀ |  | ISODIA | MathML prefers 0060 | COMBINING GRAVE ACCENT |
| 0301 | D | ́ |  | ISODIA | MathML prefers 00B4 | COMBINING ACUTE ACCENT |
| 0302 | D | ̂ |  | ISODIA | MathML prefers 02C6 | COMBINING CIRCUMFLEX ACCENT |
| 0303 | D | ̃ |  | ISODIA | MathML prefers 02DC | COMBINING TILDE |
| 0304 | D | ̄ |  | ISODIA | MathML prefers 00AF | COMBINING MACRON |
| 0305 | D | ̅ |  |  |  | COMBINING OVERLINE |
| 0306 | D | ̆ |  | ISODIA | MathML prefers 02D8 | COMBINING BREVE |
| 0307 | D | ̇ |  | ISODIA | MathML prefers 02D9 | COMBINING DOT ABOVE |
| 0308 | D | ̈ |  | ISODIA | MathML prefers 00A8 | COMBINING DIAERESIS |
| 030A | D | ̊ |  | ISODIA | MathML prefers 02DA | COMBINING RING ABOVE |
| 030C | D | ̌ |  | ISODIA | MathML prefers 02C7 | COMBINING CARON |
| 0311 | D | ̑ |  |  |  | COMBINING INVERTED BREVE |
| 0323 | D | ̣ |  |  |  | COMBINING DOT BELOW |
| 032C | D | ̬ |  |  |  | COMBINING CARON BELOW |
| 032D | D | ̭ |  |  |  | COMBINING CIRCUMFLEX ACCENT BELOW |
| 032E | D | ̮ |  |  |  | COMBINING BREVE BELOW |
| 032F | D | ̯ |  |  |  | COMBINING INVERTED BREVE BELOW |
| 0330 | D |  |  |  |  | COMBINING TILDE BELOW |
| 0331 | D | ̱ |  |  |  | COMBINING MACRON BELOW |
| 0332 | D | ̲ |  |  |  | COMBINING LOW LINE |
| 0333 | D | ̳ | 2lowbar |  |  | COMBINING DOUBLE LOW LINE |
| 0338 | D | ̸ |  |  |  negation slash  | COMBINING LONG SOLIDUS OVERLAY |
| 033A | D | ̺ |  |  |  | COMBINING INVERTED BRIDGE BELOW |
| 033F | D | ̿ |  |  |  | COMBINING DOUBLE OVERLINE |
| 0346 | D | ͆ |  |  |  | COMBINING BRIDGE ABOVE |
| 0391 | A | Α | Agr | ISOGRK1 |  | GREEK CAPITAL LETTER ALPHA |
| 0392 | A | Β | Bgr | ISOGRK1 |  | GREEK CAPITAL LETTER BETA |
| 0393 | A | Γ | Gamma | ISOGRK3 |  | GREEK CAPITAL LETTER GAMMA |
| 0394 | A | Δ | Delta | ISOGRK3 |  | GREEK CAPITAL LETTER DELTA |
| 0395 | A | Ε | Egr | ISOGRK1 |  | GREEK CAPITAL LETTER EPSILON |
| 0396 | A | Ζ | Zgr | ISOGRK1 |  | GREEK CAPITAL LETTER ZETA |
| 0397 | A | Η | EEgr | ISOGRK1 |  | GREEK CAPITAL LETTER ETA |
| 0398 | A | Θ | Theta | ISOGRK3 |  | GREEK CAPITAL LETTER THETA |
| 0399 | A | Ι | Igr | ISOGRK1 |  | GREEK CAPITAL LETTER IOTA |
| 039A | A | Κ | Kgr | ISOGRK1 |  | GREEK CAPITAL LETTER KAPPA |
| 039B | A | Λ | Lambda | ISOGRK3 |  | GREEK CAPITAL LETTER LAMDA |
| 039C | A | Μ | Mgr | ISOGRK1 |  | GREEK CAPITAL LETTER MU |
| 039D | A | Ν | Ngr | ISOGRK1 |  | GREEK CAPITAL LETTER NU |
| 039E | A | Ξ | Xi | ISOGRK3 |  | GREEK CAPITAL LETTER XI |
| 039F | A | Ο | Ogr | ISOGRK1 |  | GREEK CAPITAL LETTER OMICRON |
| 03A0 | A | Π | Pi | ISOGRK3 |  | GREEK CAPITAL LETTER PI |
| 03A1 | A | Ρ | Rgr | ISOGRK1 |  | GREEK CAPITAL LETTER RHO |
| 03A3 | A | Σ | Sigma | ISOGRK3 |  | GREEK CAPITAL LETTER SIGMA |
| 03A4 | A | Τ | Tgr | ISOGRK1 |  | GREEK CAPITAL LETTER TAU |
| 03A6 | A | Φ | Phi | ISOGRK3 |  | GREEK CAPITAL LETTER PHI |
| 03A7 | A | Χ | KHgr | ISOGRK1 |  | GREEK CAPITAL LETTER CHI |
| 03A8 | A | Ψ | Psi | ISOGRK3 |  | GREEK CAPITAL LETTER PSI |
| 03A9 | A | Ω | Omega | ISOGRK3 |  | GREEK CAPITAL LETTER OMEGA |
| 03B1 | A | α | alpha | ISOGRK3 |  | GREEK SMALL LETTER ALPHA |
| 03B2 | A | β | beta | ISOGRK3 |  | GREEK SMALL LETTER BETA |
| 03B3 | A | γ | gamma | ISOGRK3 |  | GREEK SMALL LETTER GAMMA |
| 03B4 | A | δ | delta | ISOGRK3 |  | GREEK SMALL LETTER DELTA |
| 03B5 | A | ε | epsiv | ISOGRK3 |  rounded | GREEK SMALL LETTER EPSILON |
| 03B6 | A | ζ | zeta | ISOGRK3 |  | GREEK SMALL LETTER ZETA |
| 03B7 | A | η | eta | ISOGRK3 |  | GREEK SMALL LETTER ETA |
| 03B8 | A | θ | theta | ISOGRK3 |  straight theta  | GREEK SMALL LETTER THETA |
| 03B9 | A | ι | iota | ISOGRK3 |  | GREEK SMALL LETTER IOTA |
| 03BA | A | κ | kappa | ISOGRK3 |  | GREEK SMALL LETTER KAPPA |
| 03BB | A | λ | lambda | ISOGRK3 |  | GREEK SMALL LETTER LAMBDA |
| 03BC | A | μ | mu | ISOGRK3 |  | GREEK SMALL LETTER MU |
| 03BD | A | ν | nu | ISOGRK3 |  | GREEK SMALL LETTER NU |
| 03BE | A | ξ | xi | ISOGRK3 |  | GREEK SMALL LETTER XI |
| 03BF | A | ο | ogr | ISOGRK1 |  | GREEK SMALL LETTER OMICRON |
| 03C0 | A | π | pi | ISOGRK3 |  | GREEK SMALL LETTER PI |
| 03C1 | A | ρ | rho | ISOGRK3 |  | GREEK SMALL LETTER RHO |
| 03C3 | A | σ | sigma | ISOGRK3 |  | GREEK SMALL LETTER SIGMA |
| 03C4 | A | τ | tau | ISOGRK3 |  | GREEK SMALL LETTER TAU |
| 03C5 | A | υ | upsi | ISOGRK3 |  | GREEK SMALL LETTER UPSILON |
| 03C6 | A | φ | phiv | ISOGRK3 |  \varphi  | GREEK SMALL LETTER PHI |
| 03C7 | A | χ | chi | ISOGRK3 |  | GREEK SMALL LETTER CHI |
| 03C8 | A | ψ | psi | ISOGRK3 |  | GREEK SMALL LETTER PSI |
| 03C9 | A | ω | omega | ISOGRK3 |  | GREEK SMALL LETTER OMEGA |
| 03D0 | A | ϐ |  |  |  | GREEK BETA SYMBOL |
| 03D1 | A | ϑ | thetav | ISOGRK3 |  \vartheta – curly or open small theta  | GREEK THETA SYMBOL |
| 03D2 | A | ϒ | Upsi | ISOGRK3 |  | GREEK UPSILON WITH HOOK SYMBOL |
| 03D5 | A | ϕ | phi | ISOGRK3 |  | GREEK PHI SYMBOL |
| 03D6 | A | ϖ | piv | ISOGRK3 |  rounded (pomega)  | GREEK PI SYMBOL |
| 03D8 | N | Ϙ |  |  |  | GREEK LETTER ARCHAIC KOPPA |
| 03D9 | N | ϙ |  |  |  | GREEK SMALL LETTER ARCHAIC KOPPA |
| 03DA | A | Ϛ |  |  |  capital | GREEK LETTER STIGMA |
| 03DB | A | ϛ | stigma |  |  | GREEK SMALL LETTER STIGMA |
| 03DC | A | Ϝ | Gammad | ISOGRK3 |  capital | GREEK LETTER DIGAMMA |
| 03DD | A | ϝ | gammad | ISOGRK3 |  old | GREEK SMALL LETTER DIGAMMA |
| 03E0 | A | Ϡ |  |  |  capital | GREEK LETTER SAMPI |
| 03E1 | A | ϡ | sampi |  |  | GREEK SMALL LETTER SAMPI |
| 03F0 | A | ϰ | kappav | ISOGRK3 |  rounded | GREEK SMALL LETTER KAPPA |
| 03F1 | A | ϱ | rhov | ISOGRK3 |  rounded | GREEK SMALL LETTER RHO |
| 03F4 | A | ϴ | Thetav |  |  | GREEK CAPITAL THETA SYMBOL |
| 03F5 | A | ϵ | epsi | ISOGRK3 | straight | GREEK LUNATE EPSILON SYMBOL |
| 03F6 | N | ϶ | bepsi | ISOAMSR |  | GREEK REVERSED LUNATE EPSILON SYMBOL |
| 0428 | A | Ш | Shcy | ISOCYR1 |  | CYRILLIC CAPITAL LETTER SHA |
| 0606 | L | ؆ |  |  |  | ARABIC-INDIC CUBE ROOT |
| 0607 | L | ؇ |  |  |  | ARABIC-INDIC FOURTH ROOT |
| 0608 | A | ؈ |  |  |  | ARABIC RAY |
| 2000 | S |  | enquad |  |  | EN QUAD |
| 2001 | S |  | emquad |  |  | EM QUAD |
| 2002 | S |   | ensp | ISOPUB |  (half an em)  | EN SPACE |
| 2003 | S |   | emsp | ISOPUB |  | EM SPACE |
| 2004 | S |  |  |  |  | THREE-PER-EM SPACE |
| 2005 | S |   |  |  |  mid space | FOUR-PER-EM SPACE |
| 2006 | S |  |  |  |  | SIX-PER-EM SPACE |
| 2007 | S |  |  |  |  | FIGURE SPACE |
| 2009 | S |   |  |  |  | THIN SPACE |
| 200A | S |  |  |  |  | HAIR SPACE |
| 200B | S |  | zwsp |  |  | ZERO WIDTH SPACE |
| 2010 | P | ‐ | hyphen | ISOPUB |  (true graphic)  | HYPHEN |
| 2012 | P | ‒ | dash | ISOPUB |  | FIGURE DASH |
| 2013 | P | – | ndash | ISOPUB |  | EN DASH |
| 2014 | P | — | mdash | ISOPUB |  | EM DASH |
| 2016 | F | ‖ | Verbar | ISOTECH |  | DOUBLE VERTICAL BAR |
| 2020 | R | † | dagger | ISOAMSB | (N in ISOPUB) | DAGGER RELATION |
| 2021 | R | ‡ | Dagger | ISOAMSB | (N in ISOPUB) | DOUBLE DAGGER RELATION |
| 2022 | B | • | bull | ISOPUB |  /bullet round bullet, filled  | BULLET |
| 2026 | N | … | hellip | ISOPUB |  | HORIZONTAL ELLIPSIS |
| 2032 | N | ′ | prime | ISOTECH |  minute  | PRIME |
| 2033 | N | ″ | Prime | ISOTECH |  second  | DOUBLE PRIME |
| 2034 | N | ‴ | tprime | ISOTECH |  | TRIPLE PRIME |
| 2035 | N | ‵ | bprime | ISOAMSO |  | REVERSE PRIME |
| 2036 | N | ‶ | bPrime |  |  | DOUBLE REVERSE PRIME |
| 2037 | N | ‷ | btprime |  |  | TRIPLE REVERSE PRIME |
| 203B | N | ※ |  |  | Japanese kome | REFERENCE MARK |
| 203C | N | ‼ |  |  | Factorial spacing | DOUBLE EXCLAMATION MARK |
| 2040 | B | ⁀ |  |  | z notation sequence concatenation  | CHARACTER TIE |
| 2044 | B | ⁄ |  |  | stretchy | FRACTION SLASH |
| 204E | B | ⁎ | lowast | ISOTECH |  | LOW ASTERISK |
| 204F | R | ⁏ | bsemi | ISOAMSO |  | REVERSED SEMICOLON |
| 2050 | R | ⁐ | closur |  |  | CLOSE UP |
| 2051 | N | ⁑ | Ast |  |  | TWO ASTERISKS ALIGNED VERTICALLY |
| 2052 | N | ⁒ |  |  |  | COMMERCIAL MINUS SIGN |
| 2057 | N | ⁗ | qprime | ISOTECH |  | QUADRUPLE PRIME |
| 205F | S |   |  |  |  | MEDIUM MATHEMATICAL SPACE |
| 2061 | B | ⁡ |  |  |  | FUNCTION APPLICATION |
| 2062 | B | ⁢ |  |  |  | INVISIBLE TIMES |
| 2063 | P | ⁣ |  |  |  | INVISIBLE SEPARATOR |
| 2064 | X | 2064 |  |  |  | INVISIBLE PLUS |
| 207A..207E | N | ⁺..⁾ |  |  |  subscript operators |  |
| 208A..208E | N | ₊..₎ |  |  |  superscript operators |  |
| 20D0 | D | ⃐ |  |  |  | COMBINING LEFT HARPOON ABOVE |
| 20D1 | D | ⃑ |  |  |  | COMBINING RIGHT HARPOON ABOVE |
| 20D2 | D | ⃒ |  |  |  | COMBINING LONG VERTICAL LINE OVERLAY |
| 20D3 | X | ⃓ |  |  |  | COMBINING SHORT VERTICAL LINE OVERLAY |
| 20D4 | D | ⃔ |  |  |  | COMBINING ANTICLOCKWISE ARROW ABOVE |
| 20D5 | D | ⃕ |  |  |  | COMBINING CLOCKWISE ARROW ABOVE |
| 20D6 | D | ⃖ |  |  |  | COMBINING LEFT ARROW ABOVE |
| 20D7 | D | ⃗ |  |  |  | COMBINING RIGHT ARROW ABOVE |
| 20D8 | D | ⃘ |  |  |  | \* COMBINING RING OVERLAY |
| 20D9 | D | ⃙ |  |  |  | \* COMBINING CLOCKWISE RING OVERLAY |
| 20DA | D | ⃚ |  |  |  | \* COMBINING ANTICLOCKWISE RING OVERLAY |
| 20DB | D | ⃛ | tdot | ISOTECH |  | COMBINING THREE DOTS ABOVE |
| 20DC | D | ⃜ | DotDot | ISOTECH |  | COMBINING FOUR DOTS ABOVE |
| 20DD | D |  ⃝ |  |  |  | \* COMBINING ENCLOSING CIRCLE |
| 20DE | D |  ⃞ |  |  |  | \* COMBINING ENCLOSING SQUARE |
| 20DF | D |  ⃟ |  |  |  | \* COMBINING ENCLOSING DIAMOND |
| 20E1 | D | ⃡ |  |  |  | COMBINING LEFT RIGHT ARROW ABOVE |
| 20E4 | D | ⃤ |  |  |  | COMBINING ENCLOSING UPWARD POINTING TRIANGLE |
| 20E5 | D | ⃥ |  |  |  | COMBINING REVERSE SOLIDUS OVERLAY |
| 20E6 | D | ⃦ |  |  |  | COMBINING DOUBLE VERTICAL STROKE OVERLAY |
| 20E7 | D | ⃧ |  |  |  actuary | COMBINING ANNUITY SYMBOL |
| 20E8 | D | ⃨ |  |  |  | COMBINING TRIPLE UNDERDOT |
| 20E9 | D | ⃩ |  |  |  | COMBINING WIDE BRIDGE ABOVE |
| 20EA | D | ⃪ |  |  |  | COMBINING LEFTWARDS ARROW OVERLAY  |
| 20EB | D | ⃫ |  |  |  | \* COMBINING LONG DOUBLE SOLIDUS OVERLAY |
| 20EC | D | ⃬ |  |  |  | \* COMBINING RIGHTWARDS HARPOON WITH BARB DOWNWARDS |
| 20ED | D | ⃭ |  |  |  | \* COMBINING LEFTWARDS HARPOON WITH BARB DOWNWARDS |
| 20EE | D | ⃮ |  |  |  | \* COMBINING LEFT ARROW BELOW |
| 20EF | D | ⃯ |  |  |  | \* COMBINING RIGHT ARROW BELOW |
| 2102 | A | ℂ | Copf | ISOMOPF |  /Bbb C, open face C | DOUBLE-STRUCK CAPITAL C |
| 2107 | N | ℇ |  |  |  | EULER CONSTANT |
| 210A | A | ℊ | gscr | ISOMSCR |  /scr g  | SCRIPT SMALL G |
| 210B | A | ℋ | Hscr | ISOMSCR |  /scr H  | SCRIPT CAPITAL H |
| 210C | A | ℌ | Hfr | ISOMFRK |  /frak H | BLACK-LETTER CAPTITAL H |
| 210D | A | ℍ | Hopf | ISOMOPF |  /Bbb H  | DOUBLE-STRUCK CAPITAL H |
| 210E | N | ℎ |  |  |  | PLANCK CONSTANT |
| 210F | N | ℏ | plankv | ISOAMSO |  /hslash - variant | PLANCK CONSTANT OVER TWO PI |
| 2110 | A | ℐ | Iscr | ISOMSCR |  /scr I  | SCRIPT CAPITAL I |
| 2111 | A | ℑ | image | ISOAMSO |  imaginary part  | BLACK-LETTER CAPITAL I |
| 2112 | A | ℒ | lagran | ISOTECH |  Lagrangian  | SCRIPT CAPITAL L |
| 2113 | A | ℓ | ell | ISOAMSO |  cursive small l | SCRIPT SMALL L |
| 2115 | A | ℕ | Nopf | ISOMOPF |  /Bbb N, open face N | DOUBLE-STRUCK N |
| 2118 | A | ℘ | weierp | ISOAMSO |  Weierstrass p (Unicode name is a misnomer)  | SCRIPT CAPITAL P |
| 2119 | A | ℙ | Popf | ISOMOPF |  /Bbb P, open face P | DOUBLE-STRUCK CAPITAL P |
| 211A | A | ℚ | Qopf | ISOMOPF |  /Bbb Q, open face Q | DOUBLE-STRUCK CAPTIAL Q |
| 211B | A | ℛ | Rscr | ISOMSCR |  /scr R  | SCRIPT CAPITAL R |
| 211C | A | ℜ | real | ISOAMSO |  | BLACK-LETTER CAPITAL R |
| 211D | A | ℝ | Ropf | ISOMOPF |  /Bbb R, open face R | DOUBLE-STRUCK CAPITAL R |
| 2124 | A | ℤ | Zopf | ISOMOPF |  /Bbb Z, open face Z | DOUBLE-STRUCK CAPTIAL Z |
| 2126 | N | Ω | ohm | ISONUM |  (deprecated in math, use greek letter)  | OHM SIGN |
| 2127 | N | ℧ | mho | ISOAMSO |  conductance | INVERTED OHM |
| 2128 | A | ℨ | Zfr | ISOMFRK |  /frak Z | BLACK\_LETTER CAPITAL Z |
| 2129 | N | ℩ | iiota | ISOAMSO |  inverted iota | TURNED GREEK SMALL LETTER IOTA |
| 212B | A | Å | angst | ISOTECH |  Angstrom capital A, ring (deprecated in math)  | ANGSTROM SIGN |
| 212C | A | ℬ | bernou | ISOTECH |  Bernoulli function  | SCRIPT CAPITAL B |
| 212D | A | ℭ | Cfr | ISOMFRK |  | BLACK-LETTER CAPITAL C |
| 212F | A | ℯ | escr | ISOMSCR |  /scr e  | SCRIPT SMALL E |
| 2130 | A | ℰ | Escr | ISOMSCR |  /scr E  | SCRIPT CAPITAL E |
| 2131 | A | ℱ | Fscr | ISOMSCR |  /scr F  | SCRIPT CAPITAL F |
| 2132 | N | Ⅎ |  |  |  | TURNED CAPITAL F |
| 2133 | A | ℳ | phmmat | ISOTECH |  physics M-matrix  | SCRIPT CAPITAL M |
| 2134 | A | ℴ | order | ISOTECH |  order of  | SCRIPT SMALL O |
| 2135 | A | ℵ | aleph | ISOTECH |  aleph, Hebrew | ALEPH SIGN |
| 2136 | A | ℶ | beth | ISOAMSO |  beth, Hebrew  | BETH SIGN |
| 2137 | A | ℷ | gimel | ISOAMSO |  gimel, Hebrew | GIMEL SIGN |
| 2138 | A | ℸ | daleth | ISOAMSO |  daleth, Hebrew  | DALETH SIGN |
| 213C | A | 213C |  |  |  | \* DOUBLE-STRUCK SMALL PI |
| 213D | A | ℽ | opfgamma |  |  | DOUBLE-STRUCK SMALL GAMMA |
| 213E | N | ℾ | opfGam |  |  | DOUBLE-STRUCK CAPITAL GAMMA |
| 213F | A | ℿ | opfPi |  |  | DOUBLE-STRUCK CAPITAL PI |
| 2140 | L | ⅀ | opfsum |  |  | DOUBLE-STRUCK N-ARY SUMMATION |
| 2141 | N | ⅁ | Game |  |  | TURNED SANS-SERIF CAPITAL G |
| 2142 | N | ⅂ |  |  |  | TURNED SANS-SERIF CAPITAL L |
| 2143 | N | ⅃ |  |  |  | REVERSED SANS-SERIF CAPITAL L |
| 2144 | N | ⅄ |  |  |  | TURNED SANS-SERIF CAPITAL Y |
| 2145 | N | ⅅ |  |  |  | DOUBLE-STRUCK ITALIC CAPITAL D |
| 2146 | N | ⅆ |  |  |  | DOUBLE-STRUCK ITALIC SMALL D |
| 2147 | N | ⅇ |  |  |  | DOUBLE-STRUCK ITALIC SMALL E |
| 2148 | N | ⅈ |  |  |  | DOUBLE-STRUCK ITALIC SMALL I |
| 2149 | N | ⅉ |  |  |  | DOUBLE-STRUCK ITALIC SMALL J |
| 214B | N | ⅋ | turnamp |  |  | TURNED AMPERSAND |
| 2190 | R | ← | larr | ISONUM |  /leftarrow /gets  | LEFTWARD ARROW |
| 2191 | R | ↑ | uarr | ISONUM |  | UPWARD ARROW |
| 2192 | R | → | rarr | ISONUM |  /rightarrow /to | RIGHTWARD ARROW |
| 2193 | R | ↓ | darr | ISONUM |  | DOWNWARD ARROW |
| 2194 | R | ↔ | harr | ISOAMSA |  left and right arrow  | LEFT RIGHT ARROW |
| 2195 | R | ↕ | varr | ISOAMSA |  up and down arrow | UP DOWN ARROW |
| 2196 | R | ↖ | nwarr | ISOAMSA |  NW pointing arrow | NORTH WEST ARROW |
| 2197 | R | ↗ | nearr | ISOAMSA |  NE pointing arrow | NORTH EAST ARROW |
| 2198 | R | ↘ | searr | ISOAMSA |  SE pointing arrow | SOUTH EAST ARROW |
| 2199 | R | ↙ | swarr | ISOAMSA |  SW pointing arrow | SOUTH WEST ARROW |
| 219A | R | ↚ | nlarr | ISOAMSA |  not left arrow  | LEFTWARDS ARROW WITH STROKE |
| 219B | R | ↛ | nrarr | ISOAMSA |  not right arrow | RIGHTWARDS ARROW WITH STROKE |
| 219C | R | ↜ | larrw |  |  left arrow-wavy | LEFTWARDS WAVE ARROW |
| 219D | R | ↝ | rarrw | ISOAMSA |  right arrow-wavy  | RIGHTWARDS WAVE ARROW |
| 219E | R | ↞ | Larr | ISOAMSA |  | LEFTWARDS TWO HEADED ARROW |
| 219F | R | ↟ | Uarr | ISOAMSA |  | UPWARDS TWO HEADED ARROW |
| 21A0 | R | ↠ | Rarr | ISOAMSA |  | RIGHTWARDS TWO HEADED ARROW |
| 21A1 | R | ↡ | Darr | ISOAMSA |  | DOWNWARDS TWO HEADED ARROW |
| 21A2 | R | ↢ | larrtl | ISOAMSA |  left arrow-tailed | LEFTWARDS ARROW WITH TAIL |
| 21A3 | R | ↣ | rarrtl | ISOAMSA |  right arrow-tailed  | RIGHTWARDS ARROW WITH TAIL |
| 21A4 | R | ↤ | mapstoleft |  |  maps to, leftward | LEFTWARDS ARROW FROM BAR |
| 21A5 | R | ↥ | mapstoup |  |  maps to, upward | UPWARDS ARROW FROM BAR |
| 21A6 | R | ↦ | map | ISOAMSA |  maps to, rightward  | RIGHTWARDS ARROW FROM BAR |
| 21A7 | R | ↧ | mapstodown |  |  maps to, downward | DOWNWARDS ARROW FROM BAR |
| 21A8 | R | ↨ | varrb |  |  up and down arrow, bar under  | UP DOWN ARROW WITH BASE |
| 21A9 | R | ↩ | larrhk | ISOAMSA |  | LEFT ARROW WITH HOOK |
| 21AA | R | ↪ | rarrhk | ISOAMSA |  | RIGHT ARROW WITH HOOK |
| 21AB | R | ↫ | larrlp | ISOAMSA |  | LEFT ARROW WITH LOOP |
| 21AC | R | ↬ | rarrlp | ISOAMSA |  | RIGHT ARROW WITH LOOP |
| 21AD | R | ↭ | harrw | ISOAMSA |  left and right arr-wavy | LEFT RIGHT WAVE ARROW |
| 21AE | R | ↮ | nharr | ISOAMSA |  not left and right arrow  | LEFT RIGHT ARROW WITH STROKE |
| 21AF | R | ↯ | zigdarr |  |  | DOWNWARDS ZIGZAG ARROW |
| 21B0 | R | ↰ | lsh | ISOAMSA |  /Lsh  | UPWARDS ARROW WITH TIP LEFTWARDS |
| 21B1 | R | ↱ | rsh | ISOAMSA |  /Rsh  | UPWARDS ARROW WITH TIP RIGHTWARDS |
| 21B2 | R | ↲ | ldsh | ISOAMSA |  left down angled arrow  | DOWNWARDS ARROW WITH TIP LEFTWARDS |
| 21B3 | R | ↳ | rdsh | ISOAMSA |  right down angled arrow | DOWNWARDS ARROW WITH TIP RIGHTWARDS |
| 21B6 | R | ↶ | cularr | ISOAMSA |  left curved arrow | ANTICLOCKWISE TOP SEMICIRCLE ARROW |
| 21B7 | R | ↷ | curarr | ISOAMSA |  right curved arrow  | CLOCKWISE TOP SEMICIRCLE ARROW |
| 21BA | R | ↺ |  |  |  | ANTICLOCKWISE OPEN CIRCLE ARROW |
| 21BB | R | ↻ |  |  |  | CLOCKWISE OPEN CIRCLE ARROW |
| 21BC | R | ↼ | lharu | ISOAMSA |  left harpoon-up | LEFTWARDS HARPOON WITH BARB UPWARDS |
| 21BD | R | ↽ | lhard | ISOAMSA |  left harpoon-down | LEFTWARDS HARPOON WITH BARB DOWNWARDS |
| 21BE | R | ↾ | uharr | ISOAMSA |  /upharpoonright /restriction up harpoon-right  | UPWARDS HARPOON WITH BARB RIGHTWARDS |
| 21BF | R | ↿ | uharl | ISOAMSA |  up harpoon-left | UPWARDS HARPOON WITH BARB LEFTAWRDS |
| 21C0 | R | ⇀ | rharu | ISOAMSA |  right harpoon-up  | RIGHTWARDS HARPOON WITH BARB UPWARDS |
| 21C1 | R | ⇁ | rhard | ISOAMSA |  right harpoon-down  | RIGHTWARDS HARPOON WITH BARB DOWNWARDS |
| 21C2 | R | ⇂ | dharr | ISOAMSA |  down harpoon-right  | DOWNWARDS HARPOON WITH BARB RIGHTAWRDS |
| 21C3 | R | ⇃ | dharl | ISOAMSA |  down harpoon-left | DOWNWARDS HARPOON WITH BARB LEFTAWRDS |
| 21C4 | R | ⇄ | rlarr | ISOAMSA |  right arrow over left arrow | RIGHTWARDS ARROW OVER LEFTWARDS ARROW |
| 21C5 | R | ⇅ | udarr | ISOAMSA |  up arrow, down arrow  | UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW |
| 21C6 | R | ⇆ | lrarr | ISOAMSA |  left arrow over right arrow | LEFTWARDS ARROW OVER RIGHTWARDS ARROW |
| 21C7 | R | ⇇ | llarr | ISOAMSA |  two left arrows | LEFTWARDS PAIRED ARROWS |
| 21C8 | R | ⇈ | uuarr | ISOAMSA |  two up arrows | UPWARDS PAIRED ARROWS |
| 21C9 | R | ⇉ | rrarr | ISOAMSA |  two right arrows  | RIGHTWARDS PAIRED ARROWS |
| 21CA | R | ⇊ | ddarr | ISOAMSA |  two down arrows | DOWNWARDS PAIRED ARROWS |
| 21CB | R | ⇋ | lrhar | ISOAMSA |  left harpoon over right | LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON |
| 21CC | R | ⇌ | rlhar | ISOAMSA |  right harpoon over left | RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON |
| 21CD | R | ⇍ | nlArr | ISOAMSA |  not implied by  | LEFTWARD DOUBLE ARROW WITH STROKE |
| 21CE | R | ⇎ | nhArr | ISOAMSA |  not left and right double arrows  | LEFT RIGHT DOUBLE ARROW WITH STROKE |
| 21CF | R | ⇏ | nrArr | ISOAMSA |  not implies | RIGHTWARDS DOUBLE ARROW WITH STROKE |
| 21D0 | R | ⇐ | lArr | ISOTECH |  is implied by | LEFTWARDS DOUBLE ARROW |
| 21D1 | R | ⇑ | uArr | ISOAMSA |  up double arrow | UPWARDS DOUBLE ARROW |
| 21D2 | R | ⇒ | rArr | ISOTECH |  implies | RIGHTWARDS DOUBLE ARROW |
| 21D3 | R | ⇓ | dArr | ISOAMSA |  down double arrow | DOWNWARDS DOUBLE ARROW |
| 21D4 | R | ⇔ | hArr | ISOAMSA |  left and right double arrow | LEFT RIGHT DOUBLE ARROW |
| 21D5 | R | ⇕ | vArr | ISOAMSA |  up and down double arrow  | UP DOWN DOUBLE ARROW |
| 21D6 | R | ⇖ | nwArr | ISOAMSA |  NW pointing double arrow  | NORTH WEST DOUBLE ARROW |
| 21D7 | R | ⇗ | neArr | ISOAMSA |  NE pointing double arrow  | NORTH EAST DOUBLE ARROW |
| 21D8 | R | ⇘ | seArr | ISOAMSA |  SE pointing double arrow  | SOUTH EAST DOUBLE ARROW |
| 21D9 | R | ⇙ | swArr | ISOAMSA |  SW pointing double arrow  | SOUTH WEST DOUBLE ARROW |
| 21DA | R | ⇚ | lAarr | ISOAMSA |  left triple arrow | LEFTWARDS TRIPLE ARROW |
| 21DB | R | ⇛ | rAarr | ISOAMSA |  right triple arrow  | RIGHTWARDS TRIPLE ARROW |
| 21DC | R | ⇜ | ziglarr |  |  left zig-zag arrow  | LEFTWARDS SQUIGGLE ARROW |
| 21DD | R | ⇝ | zigrarr | ISOAMSA |  right zig-zag arrow | RIGHTWARDS SQUIGGLE ARROW |
| 21DE | R | ⇞ |  |  |  | UPWARDS ARROW WITH DOUBLE STROKE |
| 21DF | R | ⇟ |  |  |  | DOWNWARDS ARROW WITH DOUBLE STROKE |
| 21E0 | R | ⇠ |  |  |  | LEFTWARDS DASHED ARROW |
| 21E1 | R | ⇡ |  |  |  | UPWARDS DASHED ARROW |
| 21E2 | R | ⇢ |  |  |  | RIGHTWARDS DASHED ARROW |
| 21E3 | R | ⇣ |  |  |  | DOWNWARDS DASHED ARROW |
| 21E4 | R | ⇤ | larrb |  |  | LEFTWARDS ARROW TO BAR |
| 21E5 | R | ⇥ | rarrb |  |  | RIGHTWARDS ARROW TO BAR |
| 21E6 | R | ⇦ |  |  |  | LEFTWARDS WHITE ARROW |
| 21E7 | R | ⇧ |  |  |  | UPWARDS WHITE ARROW |
| 21E8 | R | ⇨ |  |  |  | RIGHTWARDS WHITE ARROW |
| 21E9 | R | ⇩ |  |  |  | DOWNWARDS WHITE ARROW |
| 21F3 | R | ⇳ |  |  |  | UP DOWN WHITE ARROW |
| 21F4 | R | ⇴ |  |  |  | RIGHT ARROW WITH SMALL CIRCLE |
| 21F5 | R | ⇵ | duarr | ISOAMSA |  | DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW |
| 21F6 | R | ⇶ | rarr3 |  |  | THREE RIGHTWARDS ARROWS |
| 21F7 | R | ⇷ | nvlarr |  |  | LEFTWARDS ARROW WITH VERTICAL STROKE |
| 21F8 | R | ⇸ | nvrarr |  |  | RIGHTWARDS ARROW WITH VERTICAL STROKE |
| 21F9 | R | ⇹ | nvharr |  |  | LEFT RIGHT ARROW WITH VERTICAL STROKE |
| 21FA | R | ⇺ |  |  |  | LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE |
| 21FB | R | ⇻ |  |  |  | RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE |
| 21FC | R | ⇼ |  |  |  | LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE |
| 21FD | R | ⇽ | loarr | ISOAMSA |  | LEFTWARDS OPEN-HEADED ARROW |
| 21FE | R | ⇾ | roarr | ISOAMSA |  | RIGHTWARDS OPEN-HEADED ARROW |
| 21FF | R | ⇿ | hoarr | ISOAMSA |  | LEFT RIGHT OPEN-HEADED ARROW |
| 2200 | U | ∀ | forall | ISOTECH |  | FOR ALL |
| 2201 | U | ∁ | comp | ISOAMSO |  | COMPLEMENT |
| 2202 | N | ∂ | part | ISOTECH |  | PARTIAL DIFFERENTIAL |
| 2203 | U | ∃ | exist | ISOTECH |  at least one exists | THERE EXISTS |
| 2204 | U | ∄ | nexist | ISOAMSO |  negated exists  | THERE DOES NOT EXIST |
| 2205 | N | ∅ | emptyv | ISOAMSO |  circle, slash | EMPTY SET |
| 2206 | U | ∆ |  |  |  Laplacian (Delta, nabla^2)  | INCREMENT |
| 2207 | U | ∇ | nabla | ISOTECH |  nabla, del, Hamilton operator | NABLA |
| 2208 | R | ∈ | isin | ISOTECH |  set membership, variant | ELEMENT OF |
| 2209 | R | ∉ | notin | ISOTECH |  negated set membership  | NOT AN ELEMENT OF |
| 220A | R | ∊ | isinv | ISOTECH |  set membership  | SMALL ELEMENT OF |
| 220B | R | ∋ | ni | ISOTECH |  contains, variant | CONTAINS AS MEMBER |
| 220C | R | ∌ | notni | ISOTECH |  negated contains, variant | DOES NOT CONTAIN AS MEMBER |
| 220D | R | ∍ | niv | ISOTECH |  /ni /owns contains  | SMALL DOES NOT CONTAIN AS MEMBER |
| 220E | N | ∎ | qed |  |  | END OF PROOF |
| 220F | L | ∏ | prod | ISOAMSO |  product operator  | N-ARY PRODUCT |
| 2210 | L | ∐ | coprod | ISOAMSB |  coproduct operator  | N-ARY CODPRODUCT |
| 2211 | L | ∑ | sum | ISOAMSB |  summation operator  | N-ARY SUMATION |
| 2212 | V | − | minus | ISOTECH |  | \* MINUS SIGN |
| 2213 | V | ∓ | mnplus |  |  | \* MINUS-OR-PLUS SIGN |
| 2214 | B | ∔ | plusdo | ISOAMSB |  plus sign, dot above  | DOT PLUS |
| 2215 | B | ∕ |  |  |  | DIVISION SLASH |
| 2216 | B | ∖ | ssetmn | ISOAMSB |  small set minus (cf. reverse solidus)  | SET MINUS |
| 2217 | B | ∗ | midast | ISOAMSB |  centered asterisk | ASTERISK OPERATOR |
| 2218 | B | ∘ | compfn | ISOTECH |  composite function (small circle) | RING OPERATOR |
| 2219 | B | ∙ |  |  |  | BULLET OPERATOR |
| 221A | L | √ | radic | ISOTECH |  radical | SQUARE ROOT |
| 221B | L | ∛ |  |  |  | CUBE ROOT |
| 221C | L | ∜ |  |  |  | FOURTH ROOT |
| 221D | R | ∝ | prop | ISOTECH |  | PROPORTIONAL TO |
| 221E | N | ∞ | infin | ISOTECH |  | INFINITY |
| 221F | N | ∟ | angrt | ISOTECH |  (90 degree) | RIGHT ANGLE |
| 2220 | N | ∠ | ang | ISOAMSO |  | ANGLE |
| 2221 | N | ∡ | angmsd | ISOAMSO |  | MEASURED ANGLE |
| 2222 | N | ∢ | angsph | ISOTECH |  | SPHERICAL ANGLE |
| 2223 | R | ∣ | mid | ISOAMSR | /mid  | DIVIDES |
| 2224 | R | ∤ | nmid | ISOAMSN | negated mid | DOES NOT DIVIDE |
| 2225 | R | ∥ | par | ISOTECH |  | PARALLEL TO |
| 2226 | R | ∦ | npar | ISOAMSN |  | NOT PARALLEL TO |
| 2227 | B | ∧ | and | ISOTECH | /wedge /land  | LOGICAL AND |
| 2228 | B | ∨ | or | ISOTECH | /vee /lor | LOGICAL OR |
| 2229 | B | ∩ | cap | ISOTECH |  | INTERSECTION |
| 222A | B | ∪ | cup | ISOTECH | logical sum | UNION |
| 222B | L | ∫ | int | ISOTECH |  | INTEGRAL |
| 222C | L | ∬ | Int | ISOTECH |  | DOUBLE INTEGRAL |
| 222D | L | ∭ | tint | ISOTECH |  | TRIPLE INTEGRAL |
| 222E | L | ∮ | conint | ISOTECH |  | CONTOUR INTEGRAL |
| 222F | L | ∯ | Conint | ISOTECH | double contour integral operator  | SURFACE INTEGRAL |
| 2230 | L | ∰ | Cconint | ISOTECH | triple contour integral operator  | VOLUME INTEGRAL |
| 2231 | L | ∱ | cwint | ISOTECH |  | CLOCKWISE INTEGRAL |
| 2232 | L | ∲ | cwconint | ISOTECH |  | CONTOUR INTEGRAL, CLOCKWISE |
| 2233 | L | ∳ | awconint | ISOTECH |  | CONTOUR INTEGRAL, ANTICLOCKWISE |
| 2234 | R | ∴ | there4 | ISOTECH |  | THEREFORE |
| 2235 | R | ∵ | becaus | ISOTECH |  | BECAUSE |
| 2236 | R | ∶ | ratio | ISOAMSR |  | RATIO |
| 2237 | R | ∷ | Colon | ISOAMSR | two colons  | PROPORTION |
| 2238 | B | ∸ | minusd | ISOAMSB | minus sign, dot above | DOT MINUS |
| 2239 | R | ∹ | excess |  |  excess (-:) | EXCESS |
| 223A | R | ∺ | mDDot | ISOAMSR | minus with four dots, geometric properties  | GEOMETRIC PROPORTION |
| 223B | R | ∻ | homtht | ISOAMSR |  | HOMOTHETIC |
| 223C | R | ∼ | sim | ISOTECH |  similar | TILDE OPERATOR |
| 223D | R | ∽ | bsim | ISOAMSR |  reverse similar | REVERSE TILDE OPERATOR |
| 223E | B | ∾ | ac | ISOAMSB |  most positive | INVERTED LAZY S |
| 223F | N | ∿ |  |  |  | SINE WAVE |
| 2240 | B | ≀ | wreath | ISOAMSB |  | WREATH PRODUCT |
| 2241 | R | ≁ | nsim | ISOAMSO |  not similar | NOT TILDE |
| 2242 | R | ≂ | esim | ISOAMSR |  equals, similar | MINUS TILDE |
| 2243 | R | ≃ | sime | ISOTECH |  similar, equals | ASYMPTOTICALLY EQUAL TO |
| 2244 | R | ≄ | nsime | ISOAMSN |  not similar, equals | NOT ASYMPTOTICALLY EQUAL TO |
| 2245 | R | ≅ | cong | ISOTECH |  congruent with  | APPROXIMATELY EQUAL TO |
| 2246 | R | ≆ | simne | ISOAMSN | similar, not equals [vert only for 9573 entity]  | APPROXIMATELY BUT NOT ACTUALLY EQUAL TO |
| 2247 | R | ≇ | ncong | ISOAMSN |  not congruent with  | NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO |
| 2248 | R | ≈ | ap | ISOTECH |  approximate | ALMOST EQUAL TO |
| 2249 | R | ≉ | nap | ISOAMSN |  not approximate | NOT ALMOST EQUAL TO |
| 224A | R | ≊ | ape | ISOAMSR |  approximate, equals | ALMOST EQUAL OR EQUAL TO |
| 224B | R | ≋ | apid | ISOAMSR |  approximately identical to  | TRIPLE TILDE |
| 224C | R | ≌ | bcong | ISOAMSR |  | ALL EQUAL TO |
| 224D | R | ≍ | asymp | ISOAMSR |  asymptotically equal to | EQUIVALENT TO |
| 224E | R | ≎ | bump | ISOAMSR |  bumpy equals  | GEOMETRICALLY EQUIVALENT TO |
| 224F | R | ≏ | bumpe | ISOAMSR |  bumpy equals, equals  | DIFFERENCE BETWEEN |
| 2250 | R | ≐ | esdot | ISOAMSR |  equals, single dot above  | APPROACHES THE LIMIT |
| 2251 | R | ≑ | eDot | ISOAMSR |  /doteqdot /Doteq equals, even dots  | GEOMETRICALLY EQUAL TO |
| 2252 | R | ≒ | efDot | ISOAMSR |  equals, falling dots  | APPROXIMATELY EQUAL TO OR THE IMAGE OF |
| 2253 | R | ≓ | erDot | ISOAMSR |  equals, rising dots | IMAGE OF OR APPROXIMATELY EQUAL TO |
| 2254 | R | ≔ | colone | ISOAMSR |  | COLON EQUALS |
| 2255 | R | ≕ | ecolon | ISOAMSR |  | EQUALS COLON |
| 2256 | R | ≖ | ecir | ISOAMSR |  circle on equals sign | RING IN EQUAL TO |
| 2257 | R | ≗ | cire | ISOAMSR |  circle, equals  | RING EQUAL TO |
| 2258 | R | ≘ | arceq |  |  arc, equals | CORRESPONDS TO |
| 2259 | R | ≙ | wedgeq | ISOTECH |  corresponds to (wedge, equals)  | ESTIMATES |
| 225A | R | ≚ | veeeq | ISOTECH |  logical or, equals  | EQUIANGULAR TO |
| 225B | R | ≛ |  |  |  | STAR EQUALS |
| 225C | R | ≜ | trie | ISOAMSR |  triangle, equals  | DELTA EQUAL TO |
| 225D | R | ≝ | eqdef |  |  | EQUAL TO BY DEFINITION |
| 225E | R | ≞ | measeq |  |  (m over equals) | MEASURED BY |
| 225F | R | ≟ | equest | ISOAMSR |  equal with questionmark | QUESTIONED EQUAL TO |
| 2260 | R | ≠ | ne | ISOTECH |  /ne /neq  | NOT EQUAL TO |
| 2261 | R | ≡ | equiv | ISOTECH |  | IDENTICAL TO |
| 2262 | R | ≢ | nequiv | ISOAMSN |  | NOT IDENTICAL TO |
| 2263 | R | ≣ | Equiv |  |  (4 lines) | STRICTLY EQUIVALENT TO |
| 2264 | R | ≤ | le | ISOTECH |  /leq /le  | LESS-THAN OR EQUAL TO |
| 2265 | R | ≥ | ge | ISOTECH |  /geq /ge  | GREATER-THAN OR EQUAL TO |
| 2266 | R | ≦ | lE | ISOAMSR |  less, double equals | LESS-THAN OVER EQUAL TO |
| 2267 | R | ≧ | gE | ISOAMSR |  greater, double equals  | GREATER-THAN OVER EQUAL TO |
| 2268 | R | ≨ | lnE | ISOAMSN |  less, not double equals | LESS-THAN BUT NOT EQUAL TO |
| 2269 | R | ≩ | gnE | ISOAMSN |  greater, not double equals  | GREATER-THAN BUT NOT EQUAL TO |
| 226A | R | ≪ | Lt |  |  much less than, type 2  | MUCH LESS THAN |
| 226B | R | ≫ | Gt |  |  much greater than, type 2 | MUCH GREATER THAN |
| 226C | R | ≬ | twixt | ISOAMSR |  | BETWEEN |
| 226D | R | ≭ | nasymp |  |  not asymptotically equal to | NOT EQUIVALENT TO |
| 226E | R | ≮ | nlt | ISOAMSN |  | NOT LESS-THAN |
| 226F | R | ≯ | ngt | ISOAMSN |  | NOT GREATER-THAN |
| 2270 | R | ≰ | nle | ISOAMSN |  | NOT LESS-THAN OR EQUAL |
| 2271 | R | ≱ | nge | ISOAMSN |  | NOT GREATER-THAN OR EQUAL |
| 2272 | R | ≲ | lsim | ISOAMSR |  less, similar | LESS-THAN OR EQUIVALENT TO |
| 2273 | R | ≳ | gsim | ISOAMSR |  greater, similar  | GREATER-THAN OR EQUIVALENT TO |
| 2274 | R | ≴ | nlsim | ISOAMSN |  not less, similar | NEITHER LESS-THAN NOR EQUIVALENT TO |
| 2275 | R | ≵ | ngsim | ISOAMSN |  not greater, similar  | NEITHER GREATER-THAN NOR EQUIVALENT TO |
| 2276 | R | ≶ | lg | ISOAMSR |  less, greater | LESS-THAN OR GREATER-THAN |
| 2277 | R | ≷ | gl | ISOAMSR |  greater, less | GREATER-THAN OR LESS-THAN |
| 2278 | R | ≸ | ntlg | ISOAMSN |  | NEITHER LESS-THAN NOR GREATER-THAN |
| 2279 | R | ≹ | ntgl | ISOAMSN |  | NEITHER GREATER-THAN NOR LESS-THAN |
| 227A | R | ≺ | pr | ISOAMSR |  | PRECEDES |
| 227B | R | ≻ | sc | ISOAMSR |  | SUCCEEDS |
| 227C | R | ≼ | prcue | ISOAMSR |  precedes, curly equals  | PRECEDES OR EQUAL TO |
| 227D | R | ≽ | sccue | ISOAMSR |  succeeds, curly equals  | SUCCEEDS OR EQUAL TO |
| 227E | R | ≾ | prsim | ISOAMSR |  precedes, similar | PRECEDES OR EQUIVALENT TO |
| 227F | R | ≿ | scsim | ISOAMSR |  succeeds, similar | SUCCEEDS OR EQUIAVLENT TO |
| 2280 | R | ⊀ | npr | ISOAMSN |  not precedes  | DOES NOT PRECEDE |
| 2281 | R | ⊁ | nsc | ISOAMSN |  not succeeds  | DOES NOT SUCCEED |
| 2282 | R | ⊂ | sub | ISOTECH |  subset or is implied by | SUBSET OF |
| 2283 | R | ⊃ | sup | ISOTECH |  superset or implies | SUPERSET OF |
| 2284 | R | ⊄ | nsub | ISOAMSN |  | NOT A SUBSET OF |
| 2285 | R | ⊅ | nsup | ISOAMSN |  | NOT A SUPERSET OF |
| 2286 | R | ⊆ | sube | ISOTECH |  subset, equals  | SUBSET OR EQUAL TO |
| 2287 | R | ⊇ | supe | ISOTECH |  superset, equals  | SUPERSET OR EQUAL TO |
| 2288 | R | ⊈ | nsube | ISOAMSN |  not subset, equals  | NEITHER A SUPERSET NOR EQUAL TO |
| 2289 | R | ⊉ | nsupe | ISOAMSN |  not superset, equals  | NEITHER A SUBSET NOR EQUAL TO |
| 228A | R | ⊊ | subne | ISOAMSN |  subset, not equals  | SUBSET OF WITH NOT EQUAL TO |
| 228B | R | ⊋ | supne | ISOAMSN |  superset, not equals  | SUPERSET OF WITH NOT EQUAL TO |
| 228C | B | ⊌ |  |  |  | MULTISET |
| 228D | B | ⊍ | cupdot | ISOAMSB |  union, with dot | MULTISET MULTIPLICATION |
| 228E | B | ⊎ | uplus | ISOAMSB |  plus sign in union  | MULTISET UNION |
| 228F | R | ⊏ | sqsub | ISOAMSR |  square subset | SQUARE IMAGE OF |
| 2290 | R | ⊐ | sqsup | ISOAMSR |  square superset | SQUARE ORIGINAL OF |
| 2291 | R | ⊑ | sqsube | ISOAMSR |  square subset, equals | SQUARE IMAGE OF OR EQUAL TO |
| 2292 | R | ⊒ | sqsupe | ISOAMSR |  square superset, equals | SQUARE ORIGINAL OF OR EQUAL TO |
| 2293 | B | ⊓ | sqcap | ISOAMSB |  square intersection | SQUARE CAP |
| 2294 | B | ⊔ | sqcup | ISOAMSB |  square union  | SQUARE CUP |
| 2295 | B | ⊕ | oplus | ISOAMSB |  plus sign in circle | CIRCLED PLUS |
| 2296 | B | ⊖ | ominus | ISOAMSB |  minus sign in circle  | CIRCLED MINUS |
| 2297 | B | ⊗ | otimes | ISOAMSB |  multiply sign in circle | CIRCLED TIMES |
| 2298 | B | ⊘ | osol | ISOAMSB |  solidus in circle | CIRCLED DIVISION SLASH |
| 2299 | B | ⊙ | odot | ISOAMSB |  middle dot in circle  | CIRCLED DOT OPERATOR |
| 229A | B | ⊚ | ocir | ISOAMSB |  small circle in circle  | CIRCLED RING OPERATOR |
| 229B | B | ⊛ | oast | ISOAMSB |  asterisk in circle  | CIRCLED ASTERISK OPERATOR |
| 229C | B | ⊜ | oeq |  |  equal in circle | CIRCLED EQUALS |
| 229D | B | ⊝ | odash | ISOAMSB |  hyphen in circle  | CIRCLED DASH |
| 229E | B | ⊞ | plusb | ISOAMSB |  plus sign in box \boxplus | SQUARED PLUS |
| 229F | B | ⊟ | minusb | ISOAMSB |  minus sign in box \boxminus | SQUARED MINUS |
| 22A0 | B | ⊠ | timesb | ISOAMSB |  multiply sign in box \boxtimes | SQUARED TIMES |
| 22A1 | B | ⊡ | sdotb | ISOAMSB |  small dot in box \dotsquare \boxdot  | SQUARED DOT OPERATOR |
| 22A2 | R | ⊢ | vdash | ISOAMSR |  vertical, dash  | RIGHT TACK |
| 22A3 | R | ⊣ | dashv | ISOAMSR |  dash, vertical  | LEFT TACK |
| 22A4 | N | ⊤ | top | ISOTECH |  top | DOWN TACK |
| 22A5 | R | ⊥ | bottom | ISOTECH |  bottom  | UP TACK |
| 22A6 | R | ⊦ |  |  |  (vertical, short dash)  | ASSERTION |
| 22A7 | R | ⊧ | models | ISOAMSR |  (vertical, short double dash) | MODELS |
| 22A8 | R | ⊨ | vDash | ISOAMSR |  vertical, double dash | TRUE |
| 22A9 | R | ⊩ | Vdash | ISOAMSR |  double vertical, dash | FORCES |
| 22AA | R | ⊪ | Vvdash | ISOAMSR |  triple vertical, dash | TRIPLE VERTICAL BAR RIGHT TURNSTILE |
| 22AB | R | ⊫ | VDash | ISOAMSR |  double vert, double dash  | DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE |
| 22AC | R | ⊬ | nvdash | ISOAMSN |  not vertical, dash  | DOES NOT PROVE |
| 22AD | R | ⊭ | nvDash | ISOAMSN |  not vertical, double dash | NOT TRUE |
| 22AE | R | ⊮ | nVdash | ISOAMSN |  not double vertical, dash | DOES NOT FORCE |
| 22AF | R | ⊯ | nVDash | ISOAMSN |  not double vert, double dash  | NEGATED DOUBLE VERTICAL BAR DUBLE RIGHT TURNSTILE |
| 22B0 | R | ⊰ | prurel | ISOAMSR |  element precedes under relation | PRECEDES UNDER RELATION |
| 22B1 | R | ⊱ | scurel |  |  | SUCCEEDS UNDER RELATION |
| 22B2 | R | ⊲ | vltri | ISOAMSR |  left triangle, open, variant  | NORMAL SUBGROUP OF |
| 22B3 | R | ⊳ | vrtri | ISOAMSR |  right triangle, open, variant | CONTAINS AS NORMAL SUBGROUP |
| 22B4 | R | ⊴ | ltrie | ISOAMSR |  left triangle, equals | NORMAL SUBGROUP OF OR EQUAL TO |
| 22B5 | R | ⊵ | rtrie | ISOAMSR |  right triangle, equals  | CONTAINS AS NORMAL SUBGROUP OF OR EQUAL TO |
| 22B6 | R | ⊶ | origof | ISOAMSA |  | ORIGINAL OF |
| 22B7 | R | ⊷ | imof | ISOAMSA |  | IMAGE OF |
| 22B8 | R | ⊸ | mumap | ISOAMSA |  /multimap | MULTIMAP |
| 22B9 | B | ⊹ | hercon | ISOAMSB |  | HERMITIAN CONJUGATE MATRIX |
| 22BA | B | ⊺ | intcal | ISOAMSB |  intercal  | INTERCALATE |
| 22BB | B | ⊻ | veebar |  |  logical or, bar below (large vee), exclusive disjunction  | XOR |
| 22BC | B | ⊼ | barwed | ISOAMSB |  bar, wedge (large wedge)  | NAND |
| 22BD | B | ⊽ |  | ISOAMSB |  bar, vee (large vee)  | NOR |
| 22BE | N | ⊾ | angrtvb | ISOAMSO |  right angle-measured [with arc] | RIGHT ANGLE WITH ARC |
| 22BF | N | ⊿ |  |  |  | RIGHT TRIANGLE |
| 22C0 | L | ⋀ | xwedge | ISOAMSB |  logical or operator | N-ARY LOGICAL AND |
| 22C1 | L | ⋁ | xvee | ISOAMSB |  logical and operator  | N-ARY LOGICAL OR |
| 22C2 | L | ⋂ | xcap | ISOAMSB |  intersection operator | N-ARY INTERSECTION |
| 22C3 | L | ⋃ | xcup | ISOAMSB |  union operator  | N-ARY UNION |
| 22C4 | B | ⋄ | diam | ISOAMSB |  white diamond | DIAMOND OPERATOR |
| 22C5 | B | ⋅ | sdot | ISOAMSB |  small middle dot  | DOT OPERATOR |
| 22C6 | B | ⋆ | sstarf | ISOAMSB |  small star, filled, low | STAR OPERATOR |
| 22C7 | B | ⋇ | divonx | ISOAMSB |  division on times | DIVISION TIMES |
| 22C8 | R | ⋈ | bowtie | ISOAMSR |  | BOWTIE |
| 22C9 | B | ⋉ | ltimes | ISOAMSB |  times sign, left closed | LEFT NORMAL FACTOR SEMIDIRECT PRODUCT |
| 22CA | B | ⋊ | rtimes | ISOAMSB |  times sign, right closed  | RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT |
| 22CB | B | ⋋ | lthree | ISOAMSB |  | LEFT SEMIDIRECT PRODUCT |
| 22CC | B | ⋌ | rthree | ISOAMSB |  | RIGHT SEMIDIRECT PRODUCT |
| 22CD | R | ⋍ | bsime | ISOAMSR |  reverse similar, equals | REVERSE TILDE EQUALS |
| 22CE | B | ⋎ | cuvee | ISOAMSB |  | CURLY LOGICAL OR |
| 22CF | B | ⋏ | cuwed | ISOAMSB |  | CURLY LOGICAL AND |
| 22D0 | R | ⋐ | Sub | ISOAMSR |  | DOUBLE SUBSET |
| 22D1 | R | ⋑ | Sup | ISOAMSR |  | DOUBLE SUPERSET |
| 22D2 | B | ⋒ | Cap | ISOAMSB |  /Cap /doublecap | DOUBLE INTERSECTION |
| 22D3 | B | ⋓ | Cup | ISOAMSB |  /Cup /doublecup | DOUBLE UNION |
| 22D4 | R | ⋔ | fork | ISOAMSR |  | PITCHFORK |
| 22D5 | R | ⋕ | epar | ISOTECH |  parallel, equal | EQUAL AND PARALLEL TO |
| 22D6 | R | ⋖ | ltdot | ISOAMSR |  | LESS THAN WITH DOT |
| 22D7 | R | ⋗ | gtdot | ISOAMSR |  | GREATER THAN WITH DOT |
| 22D8 | R | ⋘ | Ll | ISOAMSR |  /Ll /lll /llless triple less-than | VERY MUCH LESS-THAN |
| 22D9 | R | ⋙ | Gg | ISOAMSR |  /ggg /Gg /gggtr triple greater-than | VERY MUCH GREATER-THAN |
| 22DA | R | ⋚ | leg | ISOAMSR |  less, equals, greater | LESS-THAN EQUAL TO OR GREATER-THAN |
| 22DB | R | ⋛ | gel | ISOAMSR |  greater, equals, less | GREATER-THAN EQUAL TO OR LESS-THAN |
| 22DC | R | ⋜ | el | ISOAMSR |  equal-or-less | EQUAL TO OR LESS-THAN |
| 22DD | R | ⋝ | eg | ISOAMSR |  equal-or-greater  | EQUAL TO OR GREATER-THAN |
| 22DE | R | ⋞ | cuepr | ISOAMSR |  curly equals, precedes  | EQUAL TO OR PRECEDES |
| 22DF | R | ⋟ | cuesc | ISOAMSR |  curly equals, succeeds  | EQUAL TO OR SUCCEEDS |
| 22E0 | R | ⋠ | nprcue | ISOAMSN |  not precedes, curly equals  | DOES NOT PRECEDE OR EQUAL |
| 22E1 | R | ⋡ | nsccue | ISOAMSN |  not succeeds, curly equals  | DOES NOT SUCCEED OR EQUAL |
| 22E2 | R | ⋢ | nsqsube | ISOAMSN |  not, square subset, equals  | NOT SQUARE IMAGE OF OR EQUAL TO |
| 22E3 | R | ⋣ | nsqsupe | ISOAMSN |  not, square superset, equals  | NOT SQUARE ORIGINAL OF OR EQUAL TO |
| 22E4 | R | ⋤ | sqsubne |  |  square subset, not equals | SQUARE IMAGE OF OR NOT EQUAL TO |
| 22E5 | R | ⋥ | sqsupne |  |  square superset, not equals | SQUARE ORIGINAL OF OR NOT EQUAL TO |
| 22E6 | R | ⋦ | lnsim | ISOAMSN |  less, not similar | LESS-THAN BUT NOT EQUIVALENT TO |
| 22E7 | R | ⋧ | gnsim | ISOAMSN |  greater, not similar  | GREATER-THAN BUT NOT EQUIVALENT TO |
| 22E8 | R | ⋨ | prnsim | ISOAMSN |  precedes, not similar | PRECEDES BUT NOT EQUIVALENT TO |
| 22E9 | R | ⋩ | scnsim | ISOAMSN |  succeeds, not similar | SUCCEEDS BUT NOT EQUIVALENT TO |
| 22EA | R | ⋪ | nltri | ISOAMSN |  not left triangle | NOT NORMAL SUBGROUP OF |
| 22EB | R | ⋫ | nrtri | ISOAMSN |  not right triangle  | DOES NOT CONTAIN AS NORMAL SUBGROUP |
| 22EC | R | ⋬ | nltrie | ISOAMSN |  not left triangle, equals | NOT NORMAL SUBGROUP OF OR EQUAL TO |
| 22ED | R | ⋭ | nrtrie | ISOAMSN |  not right triangle, equ als | DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL |
| 22EE | R | ⋮ | vellip | ISOPUB |  vertical ellipsis | VERTICAL ELLIPSIS |
| 22EF | R | ⋯ | ctdot | ISOTECH |  three dots, centered  | MIDLINE HORIZONTAL ELLIPSIS |
| 22F0 | R | ⋰ | utdot | ISOTECH |  three dots, ascending | UP RIGHT DIAGONAL ELLIPSIS |
| 22F1 | R | ⋱ | dtdot | ISOTECH |  three dots, descending  | DOWN RIGHT DIAGONAL ELLIPSIS |
| 22F2 | R | ⋲ | disin | ISOTECH |  | ELEMENT OF WITH LONG HORIZONTAL STROKE |
| 22F3 | R | ⋳ | isinsv | ISOTECH |  | ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE |
| 22F4 | R | ⋴ | isins | ISOTECH |  | SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE |
| 22F5 | R | ⋵ | isindot | ISOTECH |  | ELEMENT OF WITH DOT ABOVE |
| 22F6 | R | ⋶ | notinvc | ISOTECH |  | ELEMENT OF WITH OVERBAR |
| 22F7 | R | ⋷ | notinvb | ISOTECH |  | SMALL ELEMENT OF WITH OVERBAR |
| 22F8 | R | ⋸ | isinvb |  |  | ELEMENT OF WITH UNDERBAR |
| 22F9 | R | ⋹ | isinE | ISOTECH |  | ELEMENT OF WITH TWO HORIZONTAL STROKES |
| 22FA | R | ⋺ | nisd | ISOTECH |  | CONTAINS WITH LONG HORIZONTAL STROKE |
| 22FB | R | ⋻ | xnis | ISOTECH |  | CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE |
| 22FC | R | ⋼ | nis | ISOTECH |  | SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE |
| 22FD | R | ⋽ | notnivc | ISOTECH |  | CONTAINS WITH OVERBAR |
| 22FE | R | ⋾ | notnivb | ISOTECH |  | SMALL CONTAINS WITH OVERBAR |
| 22FF | R | ⋿ |  |  |  | Z NOTATION BAG MEMBERSHIP |
| 2300 | N | ⌀ | diameter |  |  2205 diameter sign  | DIAMETER SIGN |
| 2302 | N | ⌂ |  |  |  | HOUSE |
| 2305 | B |  |  | ISOAMSB |  | PROJECTIVE |
| 2306 | B |  |  | ISOAMSB |  | PERSPECTIVE |
| 2308 | O | ⌈ | lceil | ISOAMSC |  | LEFT CEILING |
| 2309 | C | ⌉ | rceil | ISOAMSC |  | RIGHT CEILING |
| 230A | O | ⌊ | lfloor | ISOAMSC |  | LEFT FLOOR |
| 230B | C | ⌋ | rfloor | ISOAMSC |  | RIGHT FLOOR |
| 2310 | N | ⌐ | bnot | ISOTECH |  | REVERSED NOT SIGN |
| 2311 | N | ⌑ |  |  |  | SQUARE LOZENGE |
| 2319 | N | ⌙ |  |  |  | TURNED NOT SIGN |
| 231C | O | ⌜ | ulcorn | ISOAMSC |  | TOP LEFT CORNER |
| 231D | C | ⌝ | urcorn | ISOAMSC |  | TOP RIGHT CORNER |
| 231E | O | ⌞ | dlcorn | ISOAMSC |  | BOTTOM LEFT CORNER |
| 231F | C | ⌟ | drcorn | ISOAMSC |  | BOTTOM RIGHT CORNER |
| 2320..2321 | G | ⌠..⌡ |  |  |  (integral parts)  |  |
| 2322 | R | ⌢ | frown | ISOAMSR |  down curve  | FROWN |
| 2323 | R | ⌣ | smile | ISOAMSR |  up curve  | SMILE |
| #2329 | O |  |  |  |  left angle bracket (deprecated for math use, use 27E8)  | LEFT-POINTING ANGLE BRACKET |
| #232A | C |  |  |  |  right angle bracket (deprecated for math use, use 27E9) | RIGHT-POINTING ANGLE BRACKET |
| 2336 | N | ⌶ | topbot | ISOTECH |  top and bottom  | APL FUNCTIONAL SYMBOL I-BEAM |
| 233D | B | ⌽ | ovbar | ISOAMSB |  circle with vertical bar  | APL FUNCTIONAL SYMBOL CIRCLE STILE |
| 233F | R | ⌿ | solbar | ISOAMSN |  solidus, bar through  | APL FUNCTIONAL SYMBOL SLASH BAR |
| 237C | R | ⍼ |  |  |  | RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW |
| 2394 | N | ⎔ | hbenzen | ISOCHEM |  horizontal benzene ring [hexagon flat open]  | SOFTWARE-FUNCTION SYMBOL |
| 239B..23AF | G | ⎛..⎯ |  |  |  (bracket parts) |  |
| 23B0 | R | ⎰ | lmoust | ISOAMSC |  | UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION |
| 23B1 | R | ⎱ | rmoust | ISOAMSC |  | UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION |
| 23B2..23B3 | G | ⎲..⎳ |  |  |  (summation parts) |  |
| 23B4 | N | ⎴ | tbrk | ISOAMSO |  | TOP SQUARE BRACKET |
| 23B5 | N | ⎵ | bbrk | ISOAMSO |  | BOTTOM SQUARE BRACKET |
| 23B6 | N | ⎶ | bbrktbrk | ISOAMSO |  | BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET |
| 23B7 | G | ⎷ |  |  |  (square root part)  |  |
| 23D0 | G | ⏐ |  |  |  (vertical line extension) |  |
| 23DC | N | ⏜ | ovrpar |  |  over parenthesis  | \* TOP PARENTHESIS |
| 23DD | N | ⏝ | udrpar |  |  under parenthesis | \* BOTTOM PARENTHESIS |
| 23DE | N | ⏞ | ovrcub |  |  over brace  | \* TOP CURLY BRACKET |
| 23DF | N | ⏟ | udrcub |  |  under brace | \* BOTTOM CURLY BRACKET |
| 23E0 | N | ⏠ |  |  |  | \* TOP TORTOISE SHELL BRACKET |
| 23E1 | N | 23E1 |  |  |  | \* BOTTOM TORTOISE SHELL BRACKET |
| 23E2 | N | 23E2 |  | ISOTECH |  | \* WHITE TRAPEZIUM |
| 23E3 | N | 23E3 |  | ISOCHEM |  | \* BENZENE RING WITH CIRCLE |
| 23E4 | N | 23E4 |  | ISOTECH |  | \* STRAIGHTNESS |
| 23E5 | N | 23E5 |  | ISOTECH |  | \* FLATNESS |
| 23E6 | N | 23E6 |  | ISOTECH |  | \* AC CURRENT |
| 23E7 | N | 23E7 |  | ISOTECH |  | \* ELECTRICAL INTERSECTION |
| 24C8 | N | Ⓢ | oS | ISOAMSO |  capital S in circle | CIRCLED LATIN CAPITAL LETTER S |
| 25A0 | N | ■ | squarf | ISOPUB |  square, filled  | BLACK SQAURE |
| 25A1 | N | □ | square | ISOPUB |  square, open  | WHITE SQUARE |
| 25AA | N | ▪ | squf | ISOPUB | ? /blacksquare - sq bullet, filled  | BLACK SMALL SQUARE |
| 25AB | N | ▫ |  |  |  | WHITE SMALL SQUARE |
| 25AD | N | ▭ | rect |  |  horizontal rectangle, open | WHITE RECTANGLE |
| 25AE | N | ▮ | marker | ISOPUB |  histogram marker  | BLACK VERTICAL RECTANGLE |
| 25AF | N | ▯ |  | ISOPUB |  | WHITE VERTICAL RECTANGLE |
| 25B0 | N | ▰ |  |  |  | BLACK PARALLELOGRAM |
| 25B1 | N | ▱ |  |  |  parallelogram, open | WHITE PARALLELOGRAM |
| 25B2 | B | ▲ |  |  |  | BLACK UP-POINTING TRIANGLE |
| 25B3 | B | △ | xutri | ISOAMSB |  big up triangle, open | BLACK UP-POINTING TRIANGLE |
| 25B4 | B | ▴ | utrif | ISOPUB |  up triangle, filled | BLACK UP-POINTING SMALL TRIANGLE |
| 25B5 | B | ▵ | utri | ISOPUB |  /triangle - up triangle, open | WHITE UP-POINTING TRIANGLE |
| 25B6 | B | ▶ | vrtrif |  |  (large) right triangle, filled  | BLACK RIGHT-POINTING TRIANGLE |
| 25B7 | B | ▷ | vrtri |  |  (large) right triangle, open, Z notation range restriction  | WHITE RIGHT-POINTING TRIANGLE |
| 25B8 | B | ▸ | rtrif | ISOPUB |  right triangle, filled  | BLACK RIGHT-POINTING SMALL TRIANGLE |
| 25B9 | B | ▹ | rtri | ISOPUB |  right triangle, open  | WHITE RIGHT-POINTING SMALL TRIANGLE |
| 25BC | B | ▼ |  |  |  big down triangle, filled | BLACK DOWN-POINTING TRIANGLE |
| 25BD | B | ▽ | xdtri | ISOAMSB |  big down triangle, open | WHITE DOWN-POINTING TRIANGLE |
| 25BE | B | ▾ | dtrif | ISOPUB |  down triangle, filled | BLACK DOWN-POINTING SMALL TRIANGLE |
| 25BF | B | ▿ | dtri | ISOPUB |  down triangle, open | WHITE DOWN-POINTING SMALL TRIANGLE |
| 25C0 | B | ◀ | vltrif |  |  (large) left triangle, filled | BLACK LEFT-POINTING TRIANGLE |
| 25C1 | B | ◁ | vltri |  |  (large) left triangle, open, Z notation domain restriction  | WHITE LEFT-POINTING TRIANGLE |
| 25C2 | B | ◂ | ltrif | ISOPUB |  left triangle, filled | BLACK LEFT-POINTING SMALL TRIANGLE |
| 25C3 | B | ◃ | ltri | ISOPUB |  left triangle, open | WHITE LEFT-POINTING SMALL TRIANGLE |
| 25C4 | B | ◄ |  |  |  | BLACK LEFT-POINTING POINTER |
| 25C5 | B | ◅ |  |  |  | WHITE LEFT-POINTING POINTER |
| 25C6 | N | ◆ | diamondf | ISOPUB |  | BLACK DIAMOND |
| 25C7 | N | ◇ |  |  |  | WHITE DIAMOND |
| 25C8 | N | ◈ |  |  |  | WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND |
| 25C9 | N | ◉ |  |  |  | FISHEYE |
| 25CA | B | ◊ | loz | ISOPUB |  lozenge or total mark | LOZENGE |
| 25CB | B | ○ |  | ISOAMSB |  large circle  | WHITE CIRCLE |
| 25CE | N | ◎ |  |  |  | BULLSEYE |
| 25CF | N | ● | circlef | ISOPUB |  circle, filled  | BLACK CIRCLE |
| 25D0..25D3 | N | ◐..◓ |  |  |  | CIRCLE WITH [LEFT/RIGHT/LOWER/ UPPER] HALF BLACK |
| 25D6 | N | ◖ |  |  |  | LEFT HALF BLACK CIRCLE |
| 25D7 | N | ◗ |  |  |  | RIGHT HALF BLACK CIRCLE |
| 25E2 | N | ◢ | lrtrif |  |  lower right triangle, filled  | BLACK LOWER RIGHT TRIANGLE |
| 25E3 | N | ◣ | lltrif |  |  lower left triangle, filled | BLACK LOWER LEFT TRIANGLE |
| 25E4 | N | ◤ | ultrif |  |  upper left triangle, filled | BLACK UPPER LEFT TRIANGLE |
| 25E5 | N | ◥ | urtrif |  |  upper right triangle, filled  | BLACK UPPER RIGHT TRIANGLE |
| 25E6 | B | ◦ |  |  |  | WHITE BULLET |
| 25E7..25EA | N | ◧..◪ |  |  |  | SQUARE WITH [LEFT/RIGHT/UPPER /LOWER] HALF BLACK |
| 25EB | B | ◫ | midb |  |  vertical bar in box | WHITE SQUARE WITH VERTICAL BISECTING LINE |
| 25EC | B | ◬ | tridot | ISOAMSB |  triangle with centered dot  | WHITE UP-POINTING TRIANGLE WITH DOT |
| 25EF | N | ◯ | xcirc |  |  | LARGE CIRCLE |
| 25F8 | B | 25F8 | ultri | ISOAMSO |  | UPPER LEFT TRIANGLE |
| 25F9 | B | 25F9 | urtri | ISOAMSO |  | UPPER RIGHT TRIANGLE |
| 25FA | B | 25FA | lltri | ISOAMSO |  | LOWER LEFT TRIANGLE |
| 25FB | B | 25FB | xsqu |  |  | WHITE MEDIUM SQUARE |
| 25FC | B | 25FC | xsquf |  |  | BLACK MEDIUM SQUARE |
| 25FD | B | 25FD | vssqu |  |  | WHITE MEDIUM SMALL SQUARE |
| 25FE | B | 25FE | vssquf |  |  | BLACK MEDIUM SMALL SQUARE |
| 25FF | B | 25FF | lrtri | ISOAMSO |  | LOWER RIGHT TRIANGLE |
| 2605 | B | ★ | starf | ISOPUB |  star, filled  | BLACK STAR |
| 2606 | B | ☆ | star | ISOPUB |  star, open  | WHITE STAR |
| 2609 | N | ☉ |  |  |  | SUN |
| 260C | N | ☌ |  |  |  | CONJUNCTION |
| 2612 | N | ☒ | cross | ISOPUB |  ballot cross  | BALLOT BOX WITH X |
| 263D | N | ☽ |  |  |  | FIRST QUARTER MOON |
| 263E | N | ☾ |  |  |  | LAST QUARTER MOON |
| 263F | N | ☿ |  |  |  | MERCURY |
| 2640 | N | ♀ | female | ISOPUB |  Venus | FEMALE SIGN |
| 2641 | N | ♁ |  |  |  | EARTH |
| 2642 | N | ♂ | male | ISOPUB |  Mars  | MALE SIGN |
| 2643 | N | ♃ |  |  |  | JUPITER |
| 2644 | N | ♄ |  |  |  | SATURN |
| 2646 | N | ♆ |  |  |  | NEPTUNE |
| 2647 | N | ♇ |  |  |  | PLUTO |
| 2648 | N | ♈ |  |  |  | ARIES |
| 2649 | N | ♉ |  |  |  | TAURUS |
| 2660 | N | ♠ | spades | ISOPUB |  spades suit symbol  | BLACK SPADE SUIT |
| 2661 | N | ♡ | hearts | ISOPUB |  heart suit symbol | WHITE HEART SUIT |
| 2662 | N | ♢ | diams | ISOPUB |  diamond suit symbol | WHITE DIAMOND SUIT |
| 2663 | N | ♣ | clubs | ISOPUB |  club suit symbol  | BLACK CLUB SUIT |
| 2664 | N | ♤ | spadeso |  |  spade, white (card suit)  | WHITE SPADE SUIT |
| 2665 | N | ♥ | heartsf |  |  filled heart (card suit)  | BLACK HEART SUIT |
| 2666 | N | ♦ | diamsf |  |  filled diamond (card suit)  | BLACK DIAMOND SUIT |
| 2667 | N | ♧ | clubso |  |  club, white (card suit) | WHITE CLUB SUIT |
| 2669 | N | ♩ | sung | ISONUM |  music note (sung text sign) | QUARTER NOTE |
| 266D | N | ♭ | flat | ISOPUB |  | MUSIC FLAT SIGN |
| 266E | N | ♮ | natur | ISOPUB |  | MUSIC NATURAL SIGN |
| 266F | N | ♯ | sharp | ISOPUB |  | MUSIC SHARP SIGN |
| 2680 | N | 2680 |  |  |  | DIE FACE-1 |
| 2681 | N | 2681 |  |  |  | DIE FACE-2 |
| 2682 | N | 2682 |  |  |  | DIE FACE-3 |
| 2683 | N | 2683 |  |  |  | DIE FACE-4 |
| 2684 | N | 2684 |  |  |  | DIE FACE-5 |
| 2685 | N | 2685 |  |  |  | DIE FACE-6 |
| 2686 | N | 2686 |  |  |  | WHITE CIRCLE WITH DOT RIGHT |
| 2687 | N | 2687 |  |  |  | WHITE CIRCLE WITH TWO DOTS |
| 2688 | N | 2688 |  |  |  | BLACK CIRCLE WITH WHITE DOT RIGHT |
| 2689 | N | 2689 |  |  |  | BLACK CIRCLE WITH TWO WHITE DOTS |
| 26AA | N | 26AA |  |  |  | \* MEDIUM WHITE CIRLE |
| 26AB | N | 26AB |  |  |  | \* MEDIUM SMALL BLACK CIRCLE |
| 26AC | N | 26AC |  |  |  | \* MEDIUM SMALL WHITE CIRCLE |
| 26B2 | N | 26B2 |  |  |  | \* NEUTER |
| 2713 | N | ✓ | check | ISOPUB |  tick  | CHECK MARK |
| 2720 | N | ✠ | malt | ISOPUB |  | MALTESE CROSS |
| 272A | N | ✪ |  |  |  | CIRCLED WHITE STAR |
| 2736 | N | ✶ | sext | ISOPUB |  | SIX POINTED BLACK STAR |
| 2772 | O | ❲ | lbbrk | ISOTECH |  left broken bracket | LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT |
| 2773 | C | ❳ | rbbrk | ISOTECH |  right broken bracket  | LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT |
| 27C0 | N | ⟀ |  |  |  | \* THREE DIMENSIONAL ANGLE |
| 27C1 | N | ⟁ |  |  |  | \* WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE |
| 27C2 | R | ⟂ | perp | ISOTECH |  perpendicular | PERPENDICULAR |
| 27C3 | R | ⟃ |  |  |  | \* OPEN SUBSET |
| 27C4 | R | ⟄ |  |  |  | \* OPEN SUPERSET |
| 27C5 | R | ⟅ |  |  |  | \* LEFT S-SHAPED BAG DELIMITER |
| 27C6 | R | ⟆ |  |  |  | \* RIGHT S-SHAPED BAG DELIMITER |
| 27C7 | R | ⟇ |  |  |  | \* OR WITH DOT INSIDE |
| 27C8 | R | ⟈ | bsolsub |  |  | \* REVERSE SOLIDUS PRECEDING SUBSET |
| 27C9 | R | ⟉ | subsol |  |  | \* SUPERSET PRECEDING SOLIDUS |
| 27CA |  |  |  |  |  | VERTICAL BAR WITH HORIZONTAL STROKE |
| 27CC | L | ⟌ |  |  |  | LONG DIVISION |
| 27CE | B | ⟎ |  |  |  | SQUARED LOGICAL AND |
| 27CF | B | ⟏ |  |  |  | SQUARED LOGICAL OR |
| 27D0 | N | ⟐ | diamdot |  |  | WHITE DIAMOND WITH CENTRED DOT |
| 27D1 | B | ⟑ |  |  |  | AND WITH DOT |
| 27D2 | R | ⟒ |  |  |  | ELEMENT OF OPENING UPWARDS |
| 27D3 | R | ⟓ |  |  |  | LOWER RIGHT CORNER WITH DOT |
| 27D4 | R | ⟔ |  |  |  | UPPER LEFT CORNER WITH DOT |
| 27D5 | L | ⟕ |  |  |  | LEFT OUTER JOIN |
| 27D6 | L | ⟖ |  |  |  | RIGHT OUTER JOIN |
| 27D7 | L | ⟗ |  |  |  | FULL OUTER JOIN |
| 27D8 | L | ⟘ |  |  |  | LARGE UP TACK |
| 27D9 | L | ⟙ |  |  |  | LARGE DOWN TACK |
| 27DA | R | ⟚ |  |  |  | LEFT AND RIGHT DOUBLE TURNSTILE |
| 27DB | R | ⟛ |  |  |  | LEFT AND RIGHT TACK |
| 27DC | R | ⟜ |  |  |  | LEFT MULTIMAP |
| 27DD | R | ⟝ |  |  |  | LONG LEFT TACK |
| 27DE | R | ⟞ |  |  |  | LONG RIGHT TACK |
| 27DF | R | ⟟ |  |  |  | UP TACK WITH CIRCLE ABOVE |
| 27E0 | B | ⟠ |  |  |  | LOZENGE DIVIDED BY HORIZONTAL RULE |
| 27E1 | B | ⟡ |  |  |  | WHITE CONCAVE-SIDED DIAMOND |
| 27E2 | B | ⟢ |  |  |  | WHITE CONCAVE-SIDED DIAMOND WITH LEFTWARDS TICK |
| 27E3 | B | ⟣ |  |  |  | WHITE CONCAVE-SIDED DIAMOND WITH RIGHTWARDS TICK |
| 27E4 | B | ⟤ |  |  |  | WHITE SQUARE WITH LEFTWARDS TICK |
| 27E5 | B | ⟥ |  |  |  | WHITE SQUARE DIAMOND WITH RIGHTWARDS TICK |
| 27E6 | O | ⟦ | lobrk | ISOTECH |  | MATHEMATICAL LEFT WHITE SQUARE BRACKET |
| 27E7 | C | ⟧ | robrk | ISOTECH |  | MATHEMATICAL RIGHT WHITE SQUARE BRACKET |
| 27E8 | O | ⟨ | lang | ISOTECH |  | MATHEMATICAL LEFT ANGLE BRACKET |
| 27E9 | C | ⟩ | rang | ISOTECH |  | MATHEMATICAL RIGHT ANGLE BRACKET |
| 27EA | O | ⟪ | Lang | ISOTECH |  left angle bracket, double  | MATHEMATICAL LEFT DOUBLE ANGLE BRACKET |
| 27EB | C | ⟫ | Rang | ISOTECH |  right angle bracket, double | MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET |
| 27EC | O | ⟬ | loang | ISOTECK |  | MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET |
| 27ED | C | ⟭ | roang | ISOTECH |  | MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET |
| 27EE | O | ⟮ |  |  |  lgroup  | MATHEMATICAL LEFTFLATTENED PARENTHESIS |
| 27EF | C | ⟯ |  |  |  rgroup  | MATHEMATICAL RIGHT FLATTENED PARENTHESIS |
| 27F0 | R | ⟰ |  |  |  | UPWARDS QUADRUPLE ARROW |
| 27F1 | R | ⟱ |  |  |  | DOWNWARDS QUADRUPLE ARROW |
| 27F2 | R | ⟲ |  |  |  | ANTICLOCKWISE GAPPED CIRCLE ARROW |
| 27F3 | R | ⟳ |  |  |  | CLOCKWISE GAPPED CIRCLE ARROW |
| 27F4 | R | ⟴ |  |  |  | RIGHT ARROW WITH CIRCLE PLUS |
| 27F5 | R | ⟵ | xlarr | ISOAMSA |  | LONG LEFTWARDS ARROW |
| 27F6 | R | ⟶ | xrarr | ISOAMSA |  | LONG RIGHTWARDS ARROW |
| 27F7 | R | ⟷ | xharr | ISOAMSA |  | LONG LEFT RIGHT ARROW |
| 27F8 | R | ⟸ | xlArr | ISOAMSA |  | LONG LEFTWARDS DOUBLE ARROW |
| 27F9 | R | ⟹ | xrArr | ISOAMSA |  | LONG RIGHTWARDS DOUBLE ARROW |
| 27FA | R | ⟺ | xhArr | ISOAMSA |  | LONG LEFT RIGHT DOUBLE ARROW |
| 27FB | R | ⟻ | xmapfrom |  |  | LONG LEFTWARDS ARROW FROM BAR |
| 27FC | R | ⟼ | xmap | ISOAMSA |  | LONG RIGHTWARDS ARROW FROM BAR |
| 27FD | R | ⟽ | xMapfrom |  |  | LONG LEFTWARDS DOUBLE ARROW FROM BAR |
| 27FE | R | ⟾ | xMapto |  |  | LONG RIGHTWARDS DOUBLE ARROW FROM BAR |
| 27FF | R | ⟿ | xzigrarr | ISOAMSA |  | LONG RIGHTWARDS ZIG-ZAG ARROW |
| 2900 | R | ⤀ |  |  |  | RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE |
| 2901 | R | ⤁ |  |  |  | RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE |
| 2902 | R | ⤂ | nvlArr | ISOAMSA |  | LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE |
| 2903 | R | ⤃ | nvrArr | ISOAMSA |  | RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE |
| 2904 | R | ⤄ | nvhArr | ISOAMSA |  | LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE |
| 2905 | R | ⤅ | Map | ISOAMSA |  | RIGHTWARDS TWO-HEADED ARROW FROM BAR |
| 2906 | R | ⤆ | Mapfrom |  |  | LEFTWARDS DOUBLE ARROW FROM BAR |
| 2907 | R | ⤇ | Mapto |  |  | RIGHTWARDS DOUBLE ARROW FROM BAR |
| 2908 | R | ⤈ | darrln |  |  | DOWNWARDS ARROW WITH HORIZONTAL STROKE |
| 2909 | R | ⤉ | uarrln |  |  | UPWARDS ARROW WITH HORIZONTAL STROKE |
| 290A | R | ⤊ | uAarr |  |  | UPWARDS TRIPLE ARROW |
| 290B | R | ⤋ | dAarr |  |  | DOWNWARDS TRIPLE ARROW |
| 290C | R | ⤌ | lbarr | ISOAMSA |  | LEFTWARDS DOUBLE DASH ARROW |
| 290D | R | ⤍ | rbarr | ISOAMSA |  | RIGHTWARDS DOUBLE DASH ARROW |
| 290E | R | ⤎ | lBarr | ISOAMSA |  | LEFTWARDS TRIPLE DASH ARROW |
| 290F | R | ⤏ | rBarr | ISOAMSA |  | RIGHTWARDS TRIPLE DASH ARROW |
| 2910 | R | ⤐ | RBarr | ISOAMSA |  | RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW |
| 2911 | R | ⤑ | DDotrahd | ISOAMSA |  | RIGHTWARDS ARROW WITH DOTTED STEM |
| 2912 | R | ⤒ | uarrb |  |  | UPWARDS ARROW TO BAR |
| 2913 | R | ⤓ | darrb |  |  | DOWNWARDS ARROW TO BAR |
| 2914 | R | ⤔ |  |  |  | RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE |
| 2915 | R | ⤕ |  |  |  | RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE |
| 2916 | R | ⤖ | Rarrtl | ISOAMSA |  | RIGHTWARDS TWO-HEADED ARROW WITH TAIL |
| 2917 | R | ⤗ |  |  |  | RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE |
| 2918 | R | ⤘ |  |  |  | RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE |
| 2919 | R | ⤙ | latail | ISOAMSA |  | LEFTWARDS ARROW-TAIL |
| 291A | R | ⤚ | ratail | ISOAMSA |  | RIGHTWARDS ARROW-TAIL |
| 291B | R | ⤛ | lAtail | ISOAMSA |  | LEFTWARDS DOUBLE ARROW-TAIL |
| 291C | R | ⤜ | rAtail | ISOAMSA |  | RIGHTWARDS DOUBLE ARROW-TAIL |
| 291D | R | ⤝ | larrfs | ISOAMSA |  | LEFTWARDS ARROW TO BLACK DIAMOND |
| 291E | R | ⤞ | rarrfs | ISOAMSA |  | RIGHTWARDS ARROW TO BLACK DIAMOND |
| 291F | R | ⤟ | larrbfs | ISOAMSA |  | LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND |
| 2920 | R | ⤠ | rarrbfs | ISOAMSA |  | RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND |
| 2921 | R | ⤡ | nwsesarr |  |  | NORTH WEST AND SOUTH EAST ARROW |
| 2922 | R | ⤢ | neswsarr |  |  | NORTH EAST AND SOUTH WEST ARROW |
| 2923 | R | ⤣ | nwarhk | ISOAMSA |  | NORTH WEST ARROW WITH HOOK |
| 2924 | R | ⤤ | nearhk | ISOAMSA |  | NORTH EAST ARROW WITH HOOK |
| 2925 | R | ⤥ | searhk | ISOAMSA |  | SOUTH EAST ARROW WITH HOOK |
| 2926 | R | ⤦ | swarhk | ISOAMSA |  | SOUTH WEST ARROW WITH HOOK |
| 2927 | R | ⤧ | nwnear | ISOAMSA |  | NORTH WEST ARROW AND NORTH EAST ARROW |
| 2928 | R | ⤨ | nesear | ISOAMSA |  | NORTH EAST ARROW AND SOUTH EAST ARROW |
| 2929 | R | ⤩ | seswar | ISOAMSA |  | SOUTH EAST ARROW AND SOUTH WEST ARROW |
| 292A | R | ⤪ | swnwar | ISOAMSA |  | SOUTH WEST ARROW AND NORTH WEST ARROW |
| 292B | R | ⤫ | rdiofdi |  |  | RISING DIAGONAL CROSSING FALLING DIAGONAL |
| 292C | R | ⤬ | fdiordi |  |  | FALLING DIAGONAL CROSSING RISING DIAGONAL |
| 292D | R | ⤭ | seonearr |  |  | SOUTH EAST ARROW CROSSING NORTH EAST ARROW |
| 292E | R | ⤮ | neosearr |  |  | NORTH EAST ARROW CROSSING SOUTH EAST ARROW |
| 292F | R | ⤯ | fdonearr |  |  | FALLING DIAGONAL CROSSING NORTH EAST ARROW |
| 2930 | R | ⤰ | rdosearr |  |  | RISING DIAGONAL CROSSING SOUTH EAST ARROW |
| 2931 | R | ⤱ | neonwarr |  |  | NORTH EAST ARROW CROSSING NORTH WEST ARROW |
| 2932 | R | ⤲ | nwonearr |  |  | NORTH WEST ARROW CROSSING NORTH EAST ARROW |
| 2933 | R | ⤳ | rarrc | ISOAMSA |  | WAVE ARROW POINTING DIRECTLY RIGHT |
| 2934 | R | ⤴ |  |  |  | ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS |
| 2935 | R | ⤵ |  |  |  | ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS |
| 2936 | R | ⤶ | ldca | ISOAMSA |  | ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS |
| 2937 | R | ⤷ | rdca | ISOAMSA |  | ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS |
| 2938 | R | ⤸ | cudarrl | ISOAMSA |  | RIGHT-SIDE ARC CLOCKWISE ARROW |
| 2939 | R | ⤹ | cudarrr | ISOAMSA |  | LEFT-SIDE ARC ANTICLOCKWISE ARROW |
| 293A | R | ⤺ |  |  |  | TOP ARC ANTICLOCKWISE ARROW |
| 293B | R | ⤻ |  |  |  | BOTTOM ARC ANTICLOCKWISE ARROW |
| 293C | R | ⤼ | curarrm | ISOAMSA |  | TOP ARC CLOCKWISE ARROW WITH MINUS |
| 293D | R | ⤽ | cularrp | ISOAMSA |  | TOP ARC ANTICLOCKWISE ARROW WITH PLUS |
| 293E | R | ⤾ |  |  |  | LOWER RIGHT SEMICIRCULAR CLOCKWISE ARROW |
| 293F | R | ⤿ |  |  |  | LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW |
| 2940 | R | ⥀ | olarr | ISOAMSA |  | ANTICLOCKWISE CLOSED CIRCLE ARROW |
| 2941 | R | ⥁ | orarr | ISOAMSA |  | CLOCKWISE CLOSED CIRCLE ARROW |
| 2942 | R | ⥂ | arrlrsl |  |  | RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW |
| 2943 | R | ⥃ | arrllsr |  |  | LEFTWARDS ARROW ABOVE SHORT RIGHTWARDS ARROW |
| 2944 | R | ⥄ | arrsrll |  |  | SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW |
| 2945 | R | ⥅ | rarrpl | ISOAMSA |  | RIGHTWARDS ARROW WITH PLUS BELOW |
| 2946 | R | ⥆ | larrpl | ISOAMSA |  | LEFTWARDS ARROW WITH PLUS BELOW |
| 2947 | R | ⥇ | rarrx |  |  | RIGHTWARDS ARROW THROUGH X |
| 2948 | R | ⥈ | harrcir | ISOAMSA |  | LEFT RIGHT ARROW THROUGH SMALL CIRCLE |
| 2949 | R | ⥉ | Uarrocir | ISOAMSA |  | UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE |
| 294A | R | ⥊ | lurdshar | ISOAMSA |  | LEFT BARB UP RIGHT BARB DOWN HARPOON |
| 294B | R | ⥋ | ldrushar | ISOAMSA |  | LEFT BARB DOWN RIGHT BARB UP HARPOON |
| 294C | R | ⥌ | urdlshar |  |  | UP BARB RIGHT DOWN BARB LEFT HARPOON |
| 294D | R | ⥍ | uldrshar |  |  | UP BARB LEFT DOWN BARB RIGHT HARPOON |
| 294E | R | ⥎ | lurushar |  |  | LEFT BARB UP RIGHT BARB UP HARPOON |
| 294F | R | ⥏ | urdrshar |  |  | UP BARB RIGHT DOWN BARB RIGHT HARPOON |
| 2950 | R | ⥐ | ldrdshar |  |  | LEFT BARB DOWN RIGHT BARB DOWN HARPOON |
| 2951 | R | ⥑ | uldlshar |  |  | UP BARB LEFT DOWN BARB LEFT HARPOON |
| 2952 | R | ⥒ | luharb |  |  | LEFTWARDS HARPOON WITH BARB UP TO BAR |
| 2953 | R | ⥓ | ruharb |  |  | RIGHTWARDS HARPOON WITH BARB UP TO BAR |
| 2954 | R | ⥔ | urharb |  |  | UPWARDS HARPOON WITH BARB RIGHT TO BAR |
| 2955 | R | ⥕ | drharb |  |  | DOWNWARDS HARPOON WITH BARB RIGHT TO BAR |
| 2956 | R | ⥖ | ldharb |  |  | LEFTWARDS HARPOON WITH BARB DOWN TO BAR |
| 2957 | R | ⥗ | rdharb |  |  | RIGHTWARDS HARPOON WITH BARB DOWN TO BAR |
| 2958 | R | ⥘ | ulharb |  |  | UPWARDS HARPOON WITH BARB LEFT TO BAR |
| 2959 | R | ⥙ | dlharb |  |  | DOWNWARDS HARPOON WITH BARB LEFT TO BAR |
| 295A | R | ⥚ | bluhar |  |  | LEFTWARDS HARPOON WITH BARB UP FROM BAR |
| 295B | R | ⥛ | bruhar |  |  | RIGHTWARDS HARPOON WITH BARB UP FROM BAR |
| 295C | R | ⥜ | burhar |  |  | UPWARDS HARPOON WITH BARB RIGHT FROM BAR |
| 295D | R | ⥝ | bdrhar |  |  | DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR |
| 295E | R | ⥞ | bldhar |  |  | LEFTWARDS HARPOON WITH BARB DOWN FROM BAR |
| 295F | R | ⥟ | brdhar |  |  | RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR |
| 2960 | R | ⥠ | bulhar |  |  | UPWARDS HARPOON WITH BARB LEFT FROM BAR |
| 2961 | R | ⥡ | bdlhar |  |  | DOWNWARDS HARPOON WITH BARB LEFT FROM BAR |
| 2962 | R | ⥢ | lHar | ISOAMSA |  | LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN |
| 2963 | R | ⥣ | uHar | ISOAMSA |  | UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT |
| 2964 | R | ⥤ | rHar | ISOAMSA |  | RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN |
| 2965 | R | ⥥ | dHar | ISOAMSA |  | DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT |
| 2966 | R | ⥦ | luruhar | ISOAMSA |  | LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP |
| 2967 | R | ⥧ | ldrdhar | ISOAMSA |  | LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN |
| 2968 | R | ⥨ | ruluhar | ISOAMSA |  | RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP |
| 2969 | R | ⥩ | rdldhar | ISOAMSA |  | RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN |
| 296A | R | ⥪ | lharul | ISOAMSA |  | LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH |
| 296B | R | ⥫ | llhard | ISOAMSA |  | LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH |
| 296C | R | ⥬ | rharul | ISOAMSA |  | RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH |
| 296D | R | ⥭ | lrhard | ISOAMSA |  | RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH |
| 296E | R | ⥮ | udhar | ISOAMSA |  | UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT |
| 296F | R | ⥯ | duhar | ISOAMSA |  | DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT |
| 2970 | R | ⥰ | rimply |  |  | RIGHT DOUBLE ARROW WITH ROUNDED HEAD |
| 2971 | R | ⥱ | erarr | ISOAMSA |  | EQUALS SIGN ABOVE RIGHTWARDS ARROW |
| 2972 | R | ⥲ | simrarr | ISOAMSA |  | TILDE OPERATOR ABOVE RIGHTWARDS ARROW |
| 2973 | R | ⥳ | larrsim | ISOAMSA |  | LEFTWARDS ARROW ABOVE TILDE OPERATOR |
| 2974 | R | ⥴ | rarrsim | ISOAMSA |  | RIGHTWARDS ARROW ABOVE TILDE OPERATOR |
| 2975 | R | ⥵ | rarrap | ISOAMSA |  | RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO |
| 2976 | R | ⥶ | ltlarr | ISOAMSR |  | LESS-THAN ABOVE LEFTWARDS ARROW |
| 2977 | R | ⥷ |  |  |  | LEFTWARDS ARROW THROUGH LESS-THAN |
| 2978 | R | ⥸ | gtrarr | ISOAMSR |  | GREATER-THAN ABOVE RIGHTWARDS ARROW |
| 2979 | R | ⥹ | subrarr | ISOAMSR |  | SUBSET ABOVE RIGHTWARDS ARROW |
| 297A | R | ⥺ |  |  |  | LEFTWARDS ARROW THROUGH SUBSET |
| 297B | R | ⥻ | suplarr | ISOAMSR |  | SUPERSET ABOVE LEFTWARDS ARROW |
| 297C | R | ⥼ | lfisht | ISOAMSA |  | LEFT FISH TAIL |
| 297D | R | ⥽ | rfisht | ISOAMSA |  | RIGHT FISH TAIL |
| 297E | R | ⥾ | ufisht | ISOAMSA |  | UP FISH TAIL |
| 297F | R | ⥿ | dfisht | ISOAMSA |  | DOWN FISH TAIL |
| 2980 | F | ⦀ | tverbar |  |  | TRIPLE VERTICAL BAR DELIMITER |
| 2981 | N | ⦁ | scirclef |  |  | Z NOTATION SPOT |
| 2982 | F | ⦂ |  |  |  | Z NOTATION TYPE COLON |
| 2983 | O | ⦃ | locub |  |  | LEFT WHITE CURLY BRACKET |
| 2984 | C | ⦄ | rocub |  |  | RIGHT WHITE CURLY BRACKET |
| 2985 | O | ⦅ | lopar | ISOTECH |  | LEFT WHITE PARENTHESIS |
| 2986 | C | ⦆ | ropar | ISOTECH |  | RIGHT WHITE PARENTHESIS |
| 2987 | O | ⦇ |  |  |  | Z NOTATION LEFT IMAGE BRACKET |
| 2988 | C | ⦈ |  |  |  | Z NOTATION RIGHT IMAGE BRACKET |
| 2989 | O | ⦉ |  |  |  | Z NOTATION LEFT BINDING BRACKET |
| 298A | C | ⦊ |  |  |  | Z NOTATION RIGHT BINDING BRACKET |
| 298B | O | ⦋ | lbrke | ISOAMSC |  | LEFT SQUARE BRACKET WITH UNDERBAR |
| 298C | C | ⦌ | rbrke | ISOAMSC |  | RIGHT SQUARE BRACKET WITH UNDERBAR |
| 298D | O | ⦍ | lbrkslu | ISOAMSC |  | LEFT SQUARE BRACKET WITH TICK IN TOP CORNER |
| 298E | C | ⦎ | rbrksld | ISOAMSC |  | RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER |
| 298F | O | ⦏ | lbrksld | ISOAMSC |  | LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER |
| 2990 | C | ⦐ | rbrkslu | ISOAMSC |  | RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER |
| 2991 | O | ⦑ | langd | ISOAMSC |  | LEFT ANGLE BRACKET WITH DOT |
| 2992 | C | ⦒ | rangd | ISOAMSC |  | RIGHT ANGLE BRACKET WITH DOT |
| 2993 | O | ⦓ | lparlt | ISOAMSC |  | LEFT ARC LESS-THAN BRACKET |
| 2994 | C | ⦔ | rpargt | ISOAMSC |  | RIGHT ARC GREATER-THAN BRACKET |
| 2995 | O | ⦕ | gtlPar | ISOAMSC |  | DOUBLE LEFT ARC GREATER-THAN BRACKET |
| 2996 | C | ⦖ | ltrPar | ISOAMSC |  | DOUBLE RIGHT ARC LESS-THAN BRACKET |
| 2997 | O | ⦗ |  |  |  | LEFT BLACK TORTOISE SHELL BRACKET |
| 2998 | C | ⦘ |  |  |  | RIGHT BLACK TORTOISE SHELL BRACKET |
| 2999 | F | ⦙ | vellip4 |  |  | DOTTED FENCE |
| 299A | F | ⦚ | vzigzag | ISOAMSO |  | VERTICAL ZIGZAG LINE |
| 299B | N | ⦛ |  |  |  | MEASURED ANGLE OPENING LEFT |
| 299C | N | ⦜ | vangrt | ISOTECH |  | RIGHT ANGLE VARIANT WITH SQUARE |
| 299D | N | ⦝ | angrtvbd | ISOAMSO |  | MEASURED RIGHT ANGLE WITH DOT |
| 299E | N | ⦞ | angles |  |  | ANGLE WITH S INSIDE |
| 299F | N | ⦟ | angdnr |  |  | ACUTE ANGLE |
| 29A0 | N | ⦠ | gtlpar |  |  | SPHERICAL ANGLE OPENING LEFT |
| 29A1 | N | ⦡ |  |  |  | SPHERICAL ANGLE OPENING UP |
| 29A2 | N | ⦢ | angdnl |  |  | TURNED ANGLE |
| 29A3 | N | ⦣ | angupl |  |  | REVERSED ANGLE |
| 29A4 | N | ⦤ | ange | ISOAMSO |  | ANGLE WITH UNDERBAR |
| 29A5 | N | ⦥ | range | ISOAMSO |  | REVERSED ANGLE WITH UNDERBAR |
| 29A6 | N | ⦦ | dwangle | ISOTECH |  | OBLIQUE ANGLE OPENING UP |
| 29A7 | N | ⦧ | uwangle | ISOTECH |  | OBLIQUE ANGLE OPENING DOWN |
| 29A8 | N | ⦨ | angmsdaa | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT |
| 29A9 | N | ⦩ | angmsdab | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT |
| 29AA | N | ⦪ | angmsdac | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT |
| 29AB | N | ⦫ | angmsdad | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT |
| 29AC | N | ⦬ | angmsdae | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP |
| 29AD | N | ⦭ | angmsdaf | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP |
| 29AE | N | ⦮ | angmsdag | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN |
| 29AF | N | ⦯ | angmsdah | ISOAMSO |  | MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN |
| 29B0 | N | ⦰ | bemptyv | ISOAMSO |  | REVERSED EMPTY SET |
| 29B1 | N | ⦱ | demptyv | ISOAMSO |  | EMPTY SET WITH OVERBAR |
| 29B2 | N | ⦲ | cemptyv | ISOAMSO |  | EMPTY SET WITH SMALL CIRCLE ABOVE |
| 29B3 | N | ⦳ | raemptyv | ISOAMSO |  | EMPTY SET WITH RIGHT ARROW ABOVE |
| 29B4 | N | ⦴ | laemptyv | ISOAMSO |  | EMPTY SET WITH LEFT ARROW ABOVE |
| 29B5 | N | ⦵ | ohbar | ISOAMSB |  | CIRCLE WITH HORIZONTAL BAR |
| 29B6 | B | ⦶ | omid | ISOAMSB |  | CIRCLED VERTICAL BAR |
| 29B7 | B | ⦷ | opar | ISOAMSB |  | CIRCLED PARALLEL |
| 29B8 | B | ⦸ | obsol |  |  | CIRCLED REVERSE SOLIDUS |
| 29B9 | B | ⦹ | operp | ISOAMSB |  | CIRCLED PERPENDICULAR |
| 29BA | N | ⦺ |  |  |  | CIRCLE DIVIDED BY HORIZONTAL BAR AND TOP HALF DIVIDED BY VERTICAL BAR |
| 29BB | N | ⦻ | olcross | ISOTECH |  | CIRCLE WITH SUPERIMPOSED X |
| 29BC | N | ⦼ | odsold | ISOAMSB |  | CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN |
| 29BD | N | ⦽ | oxuarr |  |  | UP ARROW THROUGH CIRCLE |
| 29BE | N | ⦾ | olcir | ISOAMSB |  | CIRCLED WHITE BULLET |
| 29BF | N | ⦿ | ofcir | ISOAMSB |  | CIRCLED BULLET |
| 29C0 | B | ⧀ | olt | ISOAMSB |  | CIRCLED LESS-THAN |
| 29C1 | B | ⧁ | ogt | ISOAMSB |  | CIRCLED GREATER-THAN |
| 29C2 | N | ⧂ | cirscir | ISOAMSO |  | CIRCLE WITH SMALL CIRCLE TO THE RIGHT |
| 29C3 | N | ⧃ | cirE | ISOAMSO |  | CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT |
| 29C4 | B | ⧄ | solb | ISOAMSB |  | SQUARED RISING DIAGONAL SLASH |
| 29C5 | B | ⧅ | bsolb | ISOAMSB |  | SQUARED FALLING DIAGONAL SLASH |
| 29C6 | B | ⧆ | astb |  |  | SQUARED ASTERISK |
| 29C7 | B | ⧇ | cirb |  |  | SQUARED SMALL CIRCLE |
| 29C8 | B | ⧈ | squb |  |  | SQUARED SQUARE |
| 29C9 | N | ⧉ | boxbox | ISOAMSO |  | TWO JOINED SQUARES |
| 29CA | N | ⧊ | tridoto |  |  | TRIANGLE WITH DOT ABOVE |
| 29CB | N | ⧋ | tribar |  |  | TRIANGLE WITH UNDERBAR |
| 29CC | N | ⧌ | triS |  |  | S IN TRIANGLE |
| 29CD | N | ⧍ | trisb | ISOAMSB |  | TRIANGLE WITH SERIFS AT BOTTOM |
| 29CE | R | ⧎ | rtriltri | ISOAMSR |  | RIGHT TRIANGLE ABOVE LEFT TRIANGLE |
| 29CF | R | ⧏ | ltrivb |  |  | LEFT TRIANGLE BESIDE VERTICAL BAR |
| 29D0 | R | ⧐ | vbrtri |  |  | VERTICAL BAR BESIDE RIGHT TRIANGLE |
| 29D1 | R | ⧑ | lfbowtie |  |  | LEFT BLACK BOWTIE |
| 29D2 | R | ⧒ | rfbowtie |  |  | RIGHT BLACK BOWTIE |
| 29D3 | R | ⧓ | fbowtie |  |  | BLACK BOWTIE |
| 29D4 | R | ⧔ | lftimes |  |  | LEFT BLACK TIMES |
| 29D5 | R | ⧕ | rftimes |  |  | RIGHT BLACK TIMES |
| 29D6 | B | ⧖ | hrglass |  |  | WHITE HOURGLASS |
| 29D7 | B | ⧗ | fhrglass |  |  | BLACK HOURGLASS |
| 29D8 | O | ⧘ |  |  |  | LEFT WIGGLY FENCE |
| 29D9 | C | ⧙ |  |  |  | RIGHT WIGGLY FENCE |
| 29DA | O | ⧚ |  |  |  | LEFT DOUBLE WIGGLY FENCE |
| 29DB | C | ⧛ |  |  |  | RIGHT DOUBLE WIGGLY FENCE |
| 29DC | N | ⧜ | iinfin | ISOTECH |  | INCOMPLETE INFINITY |
| 29DD | N | ⧝ | infintie | ISOTECH |  | TIE OVER INFINITY |
| 29DE | N | ⧞ | nvinfin | ISOTECH |  | INFINITY NEGATED WITH VERTICAL BAR |
| 29DF | R | ⧟ | dumap |  |  | DOUBLE-ENDED MULTIMAP |
| 29E0 | N | ⧠ | dalembrt |  |  | SQUARE WITH CONTOURED OUTLINE |
| 29E1 | R | ⧡ | lrtrieq |  |  | INCREASES AS |
| 29E2 | B | ⧢ | shuffle |  |  | SHUFFLE PRODUCT |
| 29E3 | R | ⧣ | eparsl | ISOTECH |  | EQUALS SIGN AND SLANTED PARALLEL |
| 29E4 | R | ⧤ | smeparsl | ISOTECH |  | EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE |
| 29E5 | R | ⧥ | eqvparsl | ISOTECH |  | IDENTICAL TO AND SLANTED PARALLEL |
| 29E6 | R | ⧦ |  |  |  | GLEICH STARK |
| 29E7 | N | ⧧ | thermod |  |  | THERMODYNAMIC |
| 29E8 | N | ⧨ | dtrilf |  |  | DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK |
| 29E9 | N | ⧩ | dtrirf |  |  | DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK |
| 29EA | N | ⧪ | diamdarr |  |  | BLACK DIAMOND WITH DOWN ARROW |
| 29EB | B | ⧫ | lozf | ISOPUB |  | BLACK LOZENGE |
| 29EC | N | ⧬ | cirdarr |  |  | WHITE CIRCLE WITH DOWN ARROW |
| 29ED | N | ⧭ | cirfdarr |  |  | BLACK CIRCLE WITH DOWN ARROW |
| 29EE | N | ⧮ | squerr |  |  | ERROR-BARRED WHITE SQUARE |
| 29EF | N | ⧯ | squferr |  |  | ERROR-BARRED BLACK SQUARE |
| 29F0 | N | ⧰ | diamerr |  |  | ERROR-BARRED WHITE DIAMOND |
| 29F1 | N | ⧱ | diamerrf |  |  | ERROR-BARRED BLACK DIAMOND |
| 29F2 | N | ⧲ | cirerr |  |  | ERROR-BARRED WHITE CIRCLE |
| 29F3 | N | ⧳ | cirferr |  |  | ERROR-BARRED BLACK CIRCLE |
| 29F4 | R | ⧴ |  |  |  | RULE-DELAYED |
| 29F5 | B | ⧵ |  |  |  | REVERSE SOLIDUS OPERATOR |
| 29F6 | B | ⧶ | dsol | ISOTECH |  | SOLIDUS WITH OVERBAR |
| 29F7 | B | ⧷ | rsolbar |  |  | REVERSE SOLIDUS WITH HORIZONTAL STROKE |
| 29F8 | L | ⧸ | xsol |  |  | BIG SOLIDUS |
| 29F9 | L | ⧹ | xbsol |  |  | BIG REVERSE SOLIDUS |
| 29FA | B | ⧺ |  |  |  | DOUBLE PLUS |
| 29FB | B | ⧻ |  |  |  | TRIPLE PLUS |
| 29FC | O | ⧼ |  |  |  | LEFT POINTING CURVED ANGLE BRACKET |
| 29FD | C | ⧽ |  |  |  | RIGHT POINTING CURVED ANGLE BRACKET |
| 29FE | B | ⧾ |  |  |  | TINY |
| 29FF | B | ⧿ |  |  |  | MINY |
| 2A00 | L | ⨀ | xodot | ISOAMSB |  | N-ARY CIRCLED DOT OPERATOR |
| 2A01 | L | ⨁ | xoplus | ISOAMSB |  | N-ARY CIRCLED PLUS OPERATOR |
| 2A02 | L | ⨂ | xotime | ISOAMSB |  | N-ARY CIRCLED TIMES OPERATOR |
| 2A03 | L | ⨃ | xcupdot |  |  | N-ARY UNION OPERATOR WITH DOT |
| 2A04 | L | ⨄ | xuplus | ISOAMSB |  | N-ARY UNION OPERATOR WITH PLUS |
| 2A05 | L | ⨅ | xsqcap | ISOAMSB |  | N-ARY SQUARE INTERSECTION OPERATOR |
| 2A06 | L | ⨆ | xsqcup | ISOAMSB |  | N-ARY SQUARE UNION OPERATOR |
| 2A07 | L | ⨇ | xandand |  |  | TWO LOGICAL AND OPERATOR |
| 2A08 | L | ⨈ | xoror |  |  | TWO LOGICAL OR OPERATOR |
| 2A09 | L | ⨉ | xtimes |  |  | N-ARY TIMES OPERATOR |
| 2A0A | L | ⨊ |  |  |  | MODULO TWO SUM |
| 2A0B | L | ⨋ | sumint |  |  | SUMMATION WITH INTEGRAL |
| 2A0C | L | ⨌ | qint | ISOTECH |  | QUADRUPLE INTEGRAL OPERATOR |
| 2A0D | L | ⨍ | fpartint | ISOTECH |  | FINITE PART INTEGRAL |
| 2A0E | L | ⨎ | Barint |  |  | INTEGRAL WITH DOUBLE STROKE |
| 2A0F | L | ⨏ | slint |  |  | INTEGRAL AVERAGE WITH SLASH |
| 2A10 | L | ⨐ | cirfnint | ISOTECH |  | CIRCULATION FUNCTION |
| 2A11 | L | ⨑ | awint | ISOTECH |  | ANTICLOCKWISE INTEGRATION |
| 2A12 | L | ⨒ | rppolint | ISOTECH |  | LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE |
| 2A13 | L | ⨓ | scpolint | ISOTECH |  | LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE |
| 2A14 | L | ⨔ | npolint | ISOTECH |  | LINE INTEGRATION NOT INCLUDING THE POLE |
| 2A15 | L | ⨕ | pointint | ISOTECH |  | INTEGRAL AROUND A POINT OPERATOR |
| 2A16 | L | ⨖ | quatint | ISOTECH |  | QUATERNION INTEGRAL OPERATOR |
| 2A17 | L | ⨗ | intlarhk | ISOTECH |  | INTEGRAL WITH LEFTWARDS ARROW WITH HOOK |
| 2A18 | L | ⨘ | timeint |  |  | INTEGRAL WITH TIMES SIGN |
| 2A19 | L | ⨙ | capint |  |  | INTEGRAL WITH INTERSECTION |
| 2A1A | L | ⨚ | cupint |  |  | INTEGRAL WITH UNION |
| 2A1B | L | ⨛ | upint |  |  | INTEGRAL WITH OVERBAR |
| 2A1C | L | ⨜ | lowint |  |  | INTEGRAL WITH UNDERBAR |
| 2A1D | L | ⨝ | Join |  |  | JOIN |
| 2A1E | L | ⨞ | xltri |  |  | LARGE LEFT TRIANGLE OPERATOR |
| 2A1F | L | ⨟ |  |  |  | Z NOTATION SCHEMA COMPOSITION |
| 2A20 | L | ⨠ |  |  |  | Z NOTATION SCHEMA PIPING |
| 2A21 | L | ⨡ |  |  |  | Z NOTATION SCHEMA PROJECTION |
| 2A22 | B | ⨢ | pluscir | ISOAMSB |  | PLUS SIGN WITH SMALL CIRCLE ABOVE |
| 2A23 | B | ⨣ | plusacir | ISOAMSB |  | PLUS SIGN WITH CIRCUMFLEX ACCENT ABOVE |
| 2A24 | B | ⨤ | simplus | ISOAMSB |  | PLUS SIGN WITH TILDE ABOVE |
| 2A25 | B | ⨥ | plusdu | ISOAMSB |  | PLUS SIGN WITH DOT BELOW |
| 2A26 | B | ⨦ | plussim | ISOAMSB |  | PLUS SIGN WITH TILDE BELOW |
| 2A27 | B | ⨧ | plustwo | ISOAMSB |  | PLUS SIGN WITH SUBSCRIPT TWO |
| 2A28 | B | ⨨ | plustrif |  |  | PLUS SIGN WITH BLACK TRIANGLE |
| 2A29 | B | ⨩ | mcomma | ISOAMSR |  | MINUS SIGN WITH COMMA ABOVE |
| 2A2A | B | ⨪ | minusdu | ISOAMSB |  | MINUS SIGN WITH DOT BELOW |
| 2A2B | B | ⨫ |  |  |  | MINUS SIGN WITH FALLING DOTS |
| 2A2C | B | ⨬ |  |  |  | MINUS SIGN WITH RISING DOTS |
| 2A2D | B | ⨭ | loplus | ISOAMSB |  | PLUS SIGN IN LEFT HALF CIRCLE |
| 2A2E | B | ⨮ | roplus | ISOAMSB |  | PLUS SIGN IN RIGHT HALF CIRCLE |
| 2A2F | B | ⨯ | htimes |  |  | VECTOR OR CROSS PRODUCT |
| 2A30 | B | ⨰ | timesd | ISOAMSB |  | MULTIPLICATION SIGN WITH DOT ABOVE |
| 2A31 | B | ⨱ | timesbar | ISOAMSB |  | MULTIPLICATION SIGN WITH UNDERBAR |
| 2A32 | B | ⨲ | btimes |  |  | SEMIDIRECT PRODUCT WITH BOTTOM CLOSED |
| 2A33 | B | ⨳ | smashp | ISOAMSB |  | SMASH PRODUCT |
| 2A34 | B | ⨴ | lotimes | ISOAMSB |  | MULTIPLICATION SIGN IN LEFT HALF CIRCLE |
| 2A35 | B | ⨵ | rotimes | ISOAMSB |  | MULTIPLICATION SIGN IN RIGHT HALF CIRCLE |
| 2A36 | B | ⨶ | otimesas | ISOAMSB |  | CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT |
| 2A37 | B | ⨷ | Otimes | ISOAMSB |  | MULTIPLICATION SIGN IN DOUBLE CIRCLE |
| 2A38 | B | ⨸ | odiv | ISOAMSB |  | CIRCLED DIVISION SIGN |
| 2A39 | B | ⨹ | triplus | ISOAMSB |  | PLUS SIGN IN TRIANGLE |
| 2A3A | B | ⨺ | triminus | ISOAMSB |  | MINUS SIGN IN TRIANGLE |
| 2A3B | B | ⨻ | tritime | ISOAMSB |  | MULTIPLICATION SIGN IN TRIANGLE |
| 2A3C | B | ⨼ | iprod | ISOAMSB |  | INTERIOR PRODUCT |
| 2A3D | B | ⨽ | iprodr | ISOAMSB |  | RIGHTHAND INTERIOR PRODUCT |
| 2A3E | B | ⨾ |  |  |  | Z NOTATION RELATIONAL COMPOSITION |
| 2A3F | B | ⨿ | amalg | ISOAMSB |  | AMALGAMATION OR COPRODUCT |
| 2A40 | B | ⩀ | capdot | ISOAMSB |  | INTERSECTION WITH DOT |
| 2A41 | B | ⩁ |  |  |  | UNION WITH MINUS SIGN |
| 2A42 | B | ⩂ | ncup | ISOAMSB |  | UNION WITH OVERBAR |
| 2A43 | B | ⩃ | ncap | ISOAMSB |  | INTERSECTION WITH OVERBAR |
| 2A44 | B | ⩄ | capand | ISOAMSB |  | INTERSECTION WITH LOGICAL AND |
| 2A45 | B | ⩅ | cupor | ISOAMSB |  | UNION WITH LOGICAL OR |
| 2A46 | B | ⩆ | cupcap | ISOAMSB |  | UNION ABOVE INTERSECTION |
| 2A47 | B | ⩇ | capcup | ISOAMSB |  | INTERSECTION ABOVE UNION |
| 2A48 | B | ⩈ | cupbrcap | ISOAMSB |  | UNION ABOVE BAR ABOVE INTERSECTION |
| 2A49 | B | ⩉ | capbrcup | ISOAMSB |  | INTERSECTION ABOVE BAR ABOVE UNION |
| 2A4A | B | ⩊ | cupcup | ISOAMSB |  | UNION BESIDE AND JOINED WITH UNION |
| 2A4B | B | ⩋ | capcap | ISOAMSB |  | INTERSECTION BESIDE AND JOINED WITH INTERSECTION |
| 2A4C | B | ⩌ | ccups | ISOAMSB |  | CLOSED UNION WITH SERIFS |
| 2A4D | B | ⩍ | ccaps | ISOAMSB |  | CLOSED INTERSECTION WITH SERIFS |
| 2A4E | B | ⩎ |  |  |  | DOUBLE SQUARE INTERSECTION |
| 2A4F | B | ⩏ |  |  |  | DOUBLE SQUARE UNION |
| 2A50 | B | ⩐ | ccupssm | ISOAMSB |  | CLOSED UNION WITH SERIFS AND SMASH PRODUCT |
| 2A51 | B | ⩑ | anddot |  |  | LOGICAL AND WITH DOT ABOVE |
| 2A52 | B | ⩒ | ordot |  |  | LOGICAL OR WITH DOT ABOVE |
| 2A53 | B | ⩓ | And | ISOTECH |  | DOUBLE LOGICAL AND |
| 2A54 | B | ⩔ | Or | ISOTECH |  | DOUBLE LOGICAL OR |
| 2A55 | B | ⩕ | andand | ISOTECH |  | TWO INTERSECTING LOGICAL AND |
| 2A56 | B | ⩖ | oror | ISOTECH |  | TWO INTERSECTING LOGICAL OR |
| 2A57 | B | ⩗ | orslope | ISOTECH |  | SLOPING LARGE OR |
| 2A58 | B | ⩘ | andslope | ISOTECH |  | SLOPING LARGE AND |
| 2A59 | R | ⩙ |  |  |  | LOGICAL OR OVERLAPPING LOGICAL AND |
| 2A5A | B | ⩚ | andv | ISOTECH |  | LOGICAL AND WITH MIDDLE STEM |
| 2A5B | B | ⩛ | orv | ISOTECH |  | LOGICAL OR WITH MIDDLE STEM |
| 2A5C | B | ⩜ | andd | ISOTECH |  | LOGICAL AND WITH HORIZONTAL DASH |
| 2A5D | B | ⩝ | ord | ISOTECH |  | LOGICAL OR WITH HORIZONTAL DASH |
| 2A5E | B | ⩞ | Barwed | ISOAMSB |  | LOGICAL AND WITH DOUBLE OVERBAR |
| 2A5F | B | ⩟ | wedbar | ISOAMSB |  | LOGICAL AND WITH UNDERBAR |
| 2A60 | B | ⩠ | wedBar |  |  | LOGICAL AND WITH DOUBLE UNDERBAR |
| 2A61 | B | ⩡ |  | ISOAMSB |  | SMALL VEE WITH UNDERBAR |
| 2A62 | B | ⩢ | Barvee |  |  | LOGICAL OR WITH DOUBLE OVERBAR |
| 2A63 | B | ⩣ | veeBar |  |  | LOGICAL OR WITH DOUBLE UNDERBAR |
| 2A64 | B | ⩤ |  |  |  | Z NOTATION DOMAIN ANTIRESTRICTION |
| 2A65 | B | ⩥ |  |  |  | Z NOTATION RANGE ANTIRESTRICTION |
| 2A66 | R | ⩦ | sdote | ISOAMSR |  | EQUALS SIGN WITH DOT BELOW |
| 2A67 | R | ⩧ |  |  |  | IDENTICAL WITH DOT ABOVE |
| 2A68 | R | ⩨ |  |  |  | TRIPLE HORIZONTAL BAR WITH DOUBLE VERTICAL STROKE |
| 2A69 | R | ⩩ |  |  |  | TRIPLE HORIZONTAL BAR WITH TRIPLE VERTICAL STROKE |
| 2A6A | R | ⩪ | simdot | ISOTECH |  | TILDE OPERATOR WITH DOT ABOVE |
| 2A6B | R | ⩫ |  |  |  | TILDE OPERATOR WITH RISING DOTS |
| 2A6C | R | ⩬ |  |  |  | SIMILAR MINUS SIMILAR |
| 2A6D | R | ⩭ | congdot | ISOAMSR |  | CONGRUENT WITH DOT ABOVE |
| 2A6E | R | ⩮ | easter | ISOAMSR |  | EQUALS WITH ASTERISK |
| 2A6F | R | ⩯ | apacir | ISOTECH |  | ALMOST EQUAL TO WITH CIRCUMFLEX ACCENT |
| 2A70 | R | ⩰ | apE | ISOAMSR |  | APPROXIMATELY EQUAL OR EQUAL TO |
| 2A71 | B | ⩱ | eplus | ISOAMSB |  | EQUALS SIGN ABOVE PLUS SIGN |
| 2A72 | B | ⩲ | pluse | ISOAMSB |  | PLUS SIGN ABOVE EQUALS SIGN |
| 2A73 | R | ⩳ | Esim | ISOAMSR |  | EQUALS SIGN ABOVE TILDE OPERATOR |
| 2A74 | R | ⩴ | Colone | ISOAMSR |  | DOUBLE COLON EQUAL |
| 2A75 | R | ⩵ | eqeq |  |  | TWO CONSECUTIVE EQUALS SIGNS |
| 2A76 | R | ⩶ |  |  |  | THREE CONSECUTIVE EQUALS SIGNS |
| 2A77 | R | ⩷ | eDDot | ISOAMSR |  | EQUALS SIGN WITH TWO DOTS ABOVE AND TWO DOTS BELOW |
| 2A78 | R | ⩸ | equivDD | ISOAMSR |  | EQUIVALENT WITH FOUR DOTS ABOVE |
| 2A79 | R | ⩹ | ltcir | ISOAMSR |  | LESS-THAN WITH CIRCLE INSIDE |
| 2A7A | R | ⩺ | gtcir | ISOAMSR |  | GREATER-THAN WITH CIRCLE INSIDE |
| 2A7B | R | ⩻ | ltquest | ISOAMSR |  | LESS-THAN WITH QUESTION MARK ABOVE |
| 2A7C | R | ⩼ | gtquest | ISOAMSR |  | GREATER-THAN WITH QUESTION MARK ABOVE |
| 2A7D | R | ⩽ | les | ISOAMSR |  | LESS-THAN OR SLANTED EQUAL TO |
| 2A7E | R | ⩾ | ges | ISOAMSR |  | GREATER-THAN OR SLANTED EQUAL TO |
| 2A7F | R | ⩿ | lesdot | ISOAMSR |  | LESS-THAN OR SLANTED EQUAL TO WITH DOT INSIDE |
| 2A80 | R | ⪀ | gesdot | ISOAMSR |  | GREATER-THAN OR SLANTED EQUAL TO WITH DOT INSIDE |
| 2A81 | R | ⪁ | lesdoto | ISOAMSR |  | LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE |
| 2A82 | R | ⪂ | gesdoto | ISOAMSR |  | GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE |
| 2A83 | R | ⪃ | lesdotor | ISOAMSR |  | LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE RIGHT |
| 2A84 | R | ⪄ | gesdotol | ISOAMSR |  | GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE LEFT |
| 2A85 | R | ⪅ | lap | ISOAMSR |  | LESS-THAN OR APPROXIMATE |
| 2A86 | R | ⪆ | gap | ISOAMSR |  | GREATER-THAN OR APPROXIMATE |
| 2A87 | R | ⪇ | lne | ISOAMSN |  | LESS-THAN AND SINGLE-LINE NOT EQUAL TO |
| 2A88 | R | ⪈ | gne | ISOAMSN |  | GREATER-THAN AND SINGLE-LINE NOT EQUAL TO |
| 2A89 | R | ⪉ | lnap | ISOAMSN |  | LESS-THAN AND NOT APPROXIMATE |
| 2A8A | R | ⪊ | gnap | ISOAMSN |  | GREATER-THAN AND NOT APPROXIMATE |
| 2A8B | R | ⪋ | lEg | ISOAMSR |  | LESS-THAN ABOVE DOUBLE-LINE EQUAL ABOVE GREATER-THAN |
| 2A8C | R | ⪌ | gEl | ISOAMSR |  | GREATER-THAN ABOVE DOUBLE-LINE EQUAL ABOVE LESS-THAN |
| 2A8D | R | ⪍ | lsime | ISOAMSR |  | LESS-THAN ABOVE SIMILAR OR EQUAL |
| 2A8E | R | ⪎ | gsime | ISOAMSR |  | GREATER-THAN ABOVE SIMILAR OR EQUAL |
| 2A8F | R | ⪏ | lsimg | ISOAMSR |  | LESS-THAN ABOVE SIMILAR ABOVE GREATER-THAN |
| 2A90 | R | ⪐ | gsiml | ISOAMSR |  | GREATER-THAN ABOVE SIMILAR ABOVE LESS-THAN |
| 2A91 | R | ⪑ | lgE | ISOAMSR |  | LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL |
| 2A92 | R | ⪒ | glE | ISOAMSR |  | GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL |
| 2A93 | R | ⪓ | lesges | ISOAMSR |  | LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL |
| 2A94 | R | ⪔ | gesles | ISOAMSR |  | GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL |
| 2A95 | R | ⪕ | els | ISOAMSR |  | SLANTED EQUAL TO OR LESS-THAN |
| 2A96 | R | ⪖ | egs | ISOAMSR |  | SLANTED EQUAL TO OR GREATER-THAN |
| 2A97 | R | ⪗ | elsdot | ISOAMSR |  | SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE |
| 2A98 | R | ⪘ | egsdot | ISOAMSR |  | SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE |
| 2A99 | R | ⪙ |  |  |  | DOUBLE-LINE EQUAL TO OR LESS-THAN |
| 2A9A | R | ⪚ |  |  |  | DOUBLE-LINE EQUAL TO OR GREATER-THAN |
| 2A9B | R | ⪛ |  |  |  | DOUBLE-LINE SLANTED EQUAL TO OR LESS-THAN |
| 2A9C | R | ⪜ |  |  |  | DOUBLE-LINE SLANTED EQUAL TO OR GREATER-THAN |
| 2A9D | R | ⪝ | siml | ISOAMSR |  | SIMILAR OR LESS-THAN |
| 2A9E | R | ⪞ | simg | ISOAMSR |  | SIMILAR OR GREATER-THAN |
| 2A9F | R | ⪟ | simlE | ISOAMSR |  | SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN |
| 2AA0 | R | ⪠ | simgE | ISOAMSR |  | SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN |
| 2AA1 | R | ⪡ |  | ISOAMSR |  | DOUBLE NESTED LESS-THAN |
| 2AA2 | R | ⪢ |  | ISOAMSR |  | DOUBLE NESTED GREATER-THAN |
| 2AA3 | R | ⪣ | Ltbar |  |  | DOUBLE LESS-THAN WITH UNDERBAR |
| 2AA4 | R | ⪤ | glj | ISOAMSR |  | GREATER-THAN OVERLAPPING LESS-THAN |
| 2AA5 | R | ⪥ | gla | ISOAMSR |  | GREATER-THAN BESIDE LESS-THAN |
| 2AA6 | R | ⪦ | ltcc | ISOAMSR |  | LESS-THAN CLOSED BY CURVE |
| 2AA7 | R | ⪧ | gtcc | ISOAMSR |  | GREATER-THAN CLOSED BY CURVE |
| 2AA8 | R | ⪨ | lescc | ISOAMSR |  | LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL |
| 2AA9 | R | ⪩ | gescc | ISOAMSR |  | GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL |
| 2AAA | R | ⪪ | smt | ISOAMSR |  | SMALLER THAN |
| 2AAB | R | ⪫ | lat | ISOAMSR |  | LARGER THAN |
| 2AAC | R | ⪬ | smte | ISOAMSR |  | SMALLER THAN OR EQUAL TO |
| 2AAD | R | ⪭ | late | ISOAMSR |  | LARGER THAN OR EQUAL TO |
| 2AAE | R | ⪮ | bumpE | ISOAMSR |  | EQUALS SIGN WITH BUMPY ABOVE |
| 2AAF | R | ⪯ | pre | ISOAMSR |  | PRECEDES ABOVE SINGLE-LINE EQUALS SIGN |
| 2AB0 | R | ⪰ | sce | ISOAMSR |  | SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN |
| 2AB1 | R | ⪱ |  |  |  | PRECEDES ABOVE SINGLE-LINE NOT EQUAL TO |
| 2AB2 | R | ⪲ |  |  |  | SUCCEEDS ABOVE SINGLE-LINE NOT EQUAL TO |
| 2AB3 | R | ⪳ | prE | ISOAMSR |  | PRECEDES ABOVE EQUALS SIGN |
| 2AB4 | R | ⪴ | scE | ISOAMSR |  | SUCCEEDS ABOVE EQUALS SIGN |
| 2AB5 | R | ⪵ | prnE | ISOAMSN |  | PRECEDES ABOVE NOT EQUAL TO |
| 2AB6 | R | ⪶ | scnE | ISOAMSN |  | SUCCEEDS ABOVE NOT EQUAL TO |
| 2AB7 | R | ⪷ | prap | ISOAMSR |  | PRECEDES ABOVE ALMOST EQUAL TO |
| 2AB8 | R | ⪸ | scap | ISOAMSR |  | SUCCEEDS ABOVE ALMOST EQUAL TO |
| 2AB9 | R | ⪹ | prnap | ISOAMSN |  | PRECEDES ABOVE NOT ALMOST EQUAL TO |
| 2ABA | R | ⪺ | scnap | ISOAMSN |  | SUCCEEDS ABOVE NOT ALMOST EQUAL TO |
| 2ABB | R | ⪻ | Pr | ISOAMSR |  | DOUBLE PRECEDES |
| 2ABC | R | ⪼ | Sc | ISOAMSR |  | DOUBLE SUCCEEDS |
| 2ABD | R | ⪽ | subdot | ISOAMSB |  | SUBSET WITH DOT |
| 2ABE | R | ⪾ | supdot | ISOAMSB |  | SUPERSET WITH DOT |
| 2ABF | R | ⪿ | subplus | ISOAMSR |  | SUBSET WITH PLUS SIGN BELOW |
| 2AC0 | R | ⫀ | supplus | ISOAMSR |  | SUPERSET WITH PLUS SIGN BELOW |
| 2AC1 | R | ⫁ | submult | ISOAMSR |  | SUBSET WITH MULTIPLICATION SIGN BELOW |
| 2AC2 | R | ⫂ | supmult | ISOAMSR |  | SUPERSET WITH MULTIPLICATION SIGN BELOW |
| 2AC3 | R | ⫃ | subedot | ISOAMSR |  | SUBSET OF OR EQUAL TO WITH DOT ABOVE |
| 2AC4 | R | ⫄ | supedot | ISOAMSR |  | SUPERSET OF OR EQUAL TO WITH DOT ABOVE |
| 2AC5 | R | ⫅ | subE | ISOAMSR |  | SUBSET OF ABOVE EQUALS SIGN |
| 2AC6 | R | ⫆ | supE | ISOAMSR |  | SUPERSET OF ABOVE EQUALS SIGN |
| 2AC7 | R | ⫇ | subsim | ISOAMSR |  | SUBSET OF ABOVE TILDE OPERATOR |
| 2AC8 | R | ⫈ | supsim | ISOAMSR |  | SUPERSET OF ABOVE TILDE OPERATOR |
| 2AC9 | R | ⫉ |  |  |  | SUBSET OF ABOVE ALMOST EQUAL TO |
| 2ACA | R | ⫊ |  |  |  | SUPERSET OF ABOVE ALMOST EQUAL TO |
| 2ACB | R | ⫋ | subnE | ISOAMSN |  | SUBSET OF ABOVE NOT EQUAL TO |
| 2ACC | R | ⫌ | supnE | ISOAMSN |  | SUPERSET OF ABOVE NOT EQUAL TO |
| 2ACD | R | ⫍ |  |  |  | SQUARE LEFT OPEN BOX OPERATOR |
| 2ACE | R | ⫎ |  |  |  | SQUARE RIGHT OPEN BOX OPERATOR |
| 2ACF | R | ⫏ | csub | ISOAMSR |  | CLOSED SUBSET |
| 2AD0 | R | ⫐ | csup | ISOAMSR |  | CLOSED SUPERSET |
| 2AD1 | R | ⫑ | csube | ISOAMSR |  | CLOSED SUBSET OR EQUAL TO |
| 2AD2 | R | ⫒ | csupe | ISOAMSR |  | CLOSED SUPERSET OR EQUAL TO |
| 2AD3 | R | ⫓ | subsup | ISOAMRR |  | SUBSET ABOVE SUPERSET |
| 2AD4 | R | ⫔ | supsub | ISOAMSR |  | SUPERSET ABOVE SUBSET |
| 2AD5 | R | ⫕ | subsub | ISOAMSR |  | SUBSET ABOVE SUBSET |
| 2AD6 | R | ⫖ | supsup | ISOAMSR |  | SUPERSET ABOVE SUPERSET |
| 2AD7 | R | ⫗ | suphsub | ISOAMSR |  | SUPERSET BESIDE SUBSET |
| 2AD8 | R | ⫘ | supdsub | ISOAMSR |  | SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET |
| 2AD9 | R | ⫙ | forkv | ISOAMSR |  | ELEMENT OF OPENING DOWNWARDS |
| 2ADA | R | ⫚ | topfork | ISOAMSR |  | PITCHFORK WITH TEE TOP |
| 2ADB | R | ⫛ | mlcp | ISOAMSR |  | TRANSVERSAL INTERSECTION |
| 2ADC | R | ⫝̸ |  |  |  | FORKING |
| 2ADD | R | ⫝ |  |  |  | NONFORKING |
| 2ADE | R | ⫞ |  |  |  | SHORT LEFT TACK |
| 2ADF | R | ⫟ |  |  |  | SHORT DOWN TACK |
| 2AE0 | R | ⫠ |  |  |  | SHORT UP TACK |
| 2AE1 | N | ⫡ |  |  |  | PERPENDICULAR WITH S |
| 2AE2 | R | ⫢ | vDdash |  |  | VERTICAL BAR TRIPLE RIGHT TURNSTILE |
| 2AE3 | R | ⫣ | dashV |  |  | DOUBLE VERTICAL BAR LEFT TURNSTILE |
| 2AE4 | R | ⫤ | Dashv | ISOAMSR |  | VERTICAL BAR DOUBLE LEFT TURNSTILE |
| 2AE5 | R | ⫥ |  |  |  | DOUBLE VERTICAL BAR DOUBLE LEFT TURNSTILE |
| 2AE6 | R | ⫦ | Vdashl | ISOAMSR |  | LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL |
| 2AE7 | R | ⫧ | Barv | ISOAMSR |  | SHORT DOWN TACK WITH OVERBAR |
| 2AE8 | R | ⫨ | vBar | ISOAMSR |  | SHORT UP TACK WITH UNDERBAR |
| 2AE9 | R | ⫩ | vBarv | ISOAMSR |  | SHORT UP TACK ABOVE SHORT DOWN TACK |
| 2AEA | R | ⫪ | barV |  |  | DOUBLE DOWN TACK |
| 2AEB | R | ⫫ | Vbar | ISOAMSR |  | DOUBLE UP TACK |
| 2AEC | R | ⫬ | Not | ISOTECH |  | DOUBLE STROKE NOT SIGN |
| 2AED | R | ⫭ | bNot | ISOTECH |  | REVERSED DOUBLE STROKE NOT SIGN |
| 2AEE | R | ⫮ | rnmid | ISOAMSN |  | DOES NOT DIVIDE WITH REVERSED NEGATION SLASH |
| 2AEF | R | ⫯ | cirmid | ISOAMSA |  | VERTICAL LINE WITH CIRCLE ABOVE |
| 2AF0 | R | ⫰ | midcir | ISOAMSA |  | VERTICAL LINE WITH CIRCLE BELOW |
| 2AF1 | N | ⫱ | topcir | ISOTECH |  | DOWN TACK WITH CIRCLE BELOW |
| 2AF2 | R | ⫲ | nhpar | ISOTECH |  | PARALLEL WITH HORIZONTAL STROKE |
| 2AF3 | R | ⫳ | parsim | ISOAMSN |  | PARALLEL WITH TILDE OPERATOR |
| 2AF4 | B | ⫴ | vert3 |  |  | TRIPLE VERTICAL BAR BINARY RELATION |
| 2AF5 | B | ⫵ |  |  |  | TRIPLE VERTICAL BAR WITH HORIZONTAL STROKE |
| 2AF6 | B | ⫶ | vellipv |  |  | TRIPLE COLON OPERATOR |
| 2AF7 | R | ⫷ |  |  |  | STACKED VERY MUCH LESS-THAN |
| 2AF8 | R | ⫸ |  |  |  | STACKED VERY MUCH GREATER-THAN |
| 2AF9 | R | ⫹ |  |  |  | DOUBLE-LINE SLANTED LESS-THAN OR EQUAL TO |
| 2AFA | R | ⫺ |  |  |  | DOUBLE-LINE SLANTED GREATER-THAN OR EQUAL TO |
| 2AFB | B | ⫻ |  |  |  | TRIPLE SOLIDUS BINARY RELATION |
| 2AFC | L | ⫼ |  |  |  | LARGE TRIPLE VERTICAL BAR OPERATOR |
| 2AFD | B | ⫽ | parsl | ISOTECH |  | DOUBLE SOLIDUS OPERATOR |
| 2AFE | B | ⫾ |  |  |  | WHITE VERTICAL BAR |
| 2AFF | L | ⫿ |  |  |  | N-ARY WHITE VERTICAL BAR |
| 2B00 | R | ⬀ |  |  |  | \* NORTH EAST WHITE ARROW |
| 2B01 | R | ⬁ |  |  |  | \* NORTH WEST WHITE ARROW |
| 2B02 | R | ⬂ |  |  |  | \* SOUTH EAST WHITE ARROW |
| 2B03 | R | ⬃ |  |  |  | \* SOUTH WEST WHITE ARROW |
| 2B04 | R | ⬄ |  |  |  | \* LEFT RIGHT WHITE ARROW |
| 2B05 | R | ⬅ |  |  |  | \* LEFTWARDS BLACK ARROW |
| 2B06 | R | ⬆ |  |  |  | \* UPWARDS BLACK ARROW |
| 2B07 | R | ⬇ |  |  |  | \* DOWNWARDS BLACK ARROW |
| 2B08 | R | ⬈ |  |  |  | \* NORTH EAST BLACK ARROW |
| 2B09 | R | ⬉ |  |  |  | \* NORTH WEST BLACK ARROW |
| 2B0A | R | ⬊ |  |  |  | \* SOUTH EAST BLACK ARROW |
| 2B0B | R | ⬋ |  |  |  | \* SOUTH WEST BLACK ARROW |
| 2B0C | R | ⬌ |  |  |  | \* LEFT RIGHT BLACK ARROW |
| 2B0D | R | ⬍ |  |  |  | \* UP DOWN BLACK ARROW |
| 2B0E | R | ⬎ |  |  |  | \* RIGHTWARDS ARROW WITH TIP DOWNWARDS |
| 2B0F | R | ⬏ |  |  |  | \* RIGHTWARDS ARROW WITH TIP UPWARDS |
| 2B10 | R | ⬐ |  |  |  | \* LEFTWARDS ARROW WITH TIP DOWNWARDS |
| 2B11 | R | ⬑ |  |  |  | \* LEFTWARDS ARROW WITH TIP UPWARDS |
| 2B12 | N | ⬒ | squarft? |  |  | \* SQUARE WITH TOP HALF BLACK |
| 2B13 | N | ⬓ | squarfb? |  |  | \* SQUARE WITH BOTTOM HALF BLACK |
| 2B14 | N | ⬔ | squarftr | ISOPUB |  | \* SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK |
| 2B15 | N | ⬕ | squarfbl | ISOPUB |  | \* SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK |
| 2B16 | N | ⬖ | diamonfl | ISOPUB |  | \* DIAMOND WITH LEFT HALF BLACK |
| 2B17 | N | ⬗ | diamonfr | ISOPUB |  | \* DIAMOND WITH RIGHT HALF BLACK |
| 2B18 | N | ⬘ | diamonft | ISOPUB |  | \* DIAMOND WITH TOP HALF BLACK |
| 2B19 | N | ⬙ | diamonfb | ISOPUB |  | \* DIAMOND WITH BOTTOM HALF BLACK |
| 2B20 | N | ⬠ |  |  |  | \* WHITE PENTAGON |
| 2B21 | N | ⬡ | benzen | ISOCHEM |  | \* WHITE HEXAGON |
| 2B22 | N | ⬢ |  |  |  | \* BLACK HEXAGON |
| 2B23 | N | ⬣ |  |  |  | \* HORIZONTAL BLACK HEXAGON |
| 2B30..2B44 | R |  |  |  |  | LEFT ARROW WITH SMALL CIRCLE..RIGHTWARDS ARROW THROUGH SUPERSET |
| 2B47..2B4C | R |  |  |  |  | REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW..RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR |
| 3008 | X | 〈 |  |  |  (deprecated for math use) | LEFT DOUBLE ANGLE BRACKET |
| 3009 | X | 〉 |  |  |  (deprecated for math use) | LEFT DOUBLE ANGLE BRACKET |
| #3014 | O |  | lbbrk | ISOTECH |  left broken bracket | LEFT TORTOISE SHELL BRACKET |
| #3015 | C |  | rbbrk | ISOTECH |  right broken bracket  | RIGHT TORTOISE SHELL BRACKET |
| #3018 | O |  | loang | ISOTECH |  | LEFT WHITE TORTOISE SHELL BRACKET |
| #3019 | C |  | roang | ISOTECH |  | RIGHT WHITE TORTOISE SHELL BRACKET |
| 301A | X |  |  |  |  (deprecated for math use) | LEFT WHITE SQUARE BRACKET |
| 301B | X |  |  |  |  (deprecated for math use) | RIGHT WHITE SQUARE BRACKET |
| 306E | N |  |  |  |  | HIRAGANA LETTER NO |
| FB29 | X |  |  |  |  (doesn't have cross shape)  | HEBREW LETTER ALTERNATIVE PLUS SIGN |
| FE00 | D |  |  |  |  | VARIATION SELECTOR-1 |
| #deprecFE35 |  |  |  |  |  | PRESENTATION FORM FOR VERTICAL LEFT PARENTHESIS |
| #deprecFE36 |  |  |  |  |  | PRESENTATION FORM FOR VERTICAL RIGHT PARENTHESIS |
| #deprecFE37 |  |  |  |  |  | PRESENTATION FORM FOR VERTICAL LEFT CURLY BRACKET |
| #deprecFE38 |  |  |  |  |  | PRESENTATION FORM FOR VERTICAL RIGHT CURLY BRACKET |
| FE61-FE68 | X |  |  |  |  ("small" compatibility variants of ASCII math operators)  |  |
| FF0B | X |  |  |  |  ("wide" compatibility variant of ASCII math operators)  |  |
| FF1C..FF1E | X |  |  |  |  ("wide" compatibility variants of ASCII math operators)  |  |
| FF3C | X |  |  |  |  ("wide" compatibility variant of ASCII math operators)  |  |
| FF3E | X |  |  |  |  ("wide" compatibility variant of ASCII math operators)  |  |
| FF5C | X |  |  |  |  ("wide" compatibility variant of ASCII math operators)  |  |
| FF5E | X |  |  |  |  ("wide" compatibility variant of math operator)  |  |
| FFE2 | X |  |  |  |  ("wide" compatibility variant of ASCII math operators)  |  |
| FFE9..FFEC | X |  |  |  |  ("wide" compatibility variants of arrows) |  |
| 1D400..1D454 | A | 𝐀..𝑔 |  |  |  | MATHEMATICAL BOLD CAPITAL A..ITALIC SMALL G |
| 1D455=210E | A |  |  |  |  | ITALIC SMALL H <reserved> |
| 1D456..1D49B | A | 𝑖..𝒛 |  |  |  | MATHEMATICAL ITALIC SMALL I..BOLD ITALIC SMALL Z |
| 1D49C | A | 𝒜 | Ascr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL A |
| #1D49D=212C | A |  | Bscr | ISOMSCR |  | SCRIPT CAPITAL B <reserved> |
| 1D49E | A | 𝒞 | Cscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL C |
| 1D49F | A | 𝒟 | Dscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL D |
| #1D4A0=2130 | A |  | Escr | ISOMSCR |  | SCRIPT CAPITAL E <reserved> |
| #1D4A1=2131 | A |  | Fscr | ISOMSCR |  | SCRIPT CAPITAL F <reserved> |
| 1D4A2 | A | 𝒢 | Gscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL G |
| #1D4A3=210B | A |  | Hscr | ISOMSCR |  | SCRIPT CAPITAL H <reserved> |
| #1D4A4=2110 | A |  | Iscr | ISOMSCR |  | SCRIPT CAPITAL I <reserved> |
| 1D4A5 | A | 𝒥 | Jscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL J |
| 1D4A6 | A | 𝒦 | Kscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL K |
| #1D4A7=2112 | A |  | Lscr | ISOMSCR |  | SCRIPT CAPITAL L <reserved> |
| #1D4A8=2133 | A |  | Mscr | ISOMSCR |  | SCRIPT CAPITAL M <reserved> |
| 1D4A9 | A | 𝒩 | Nscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL N |
| 1D4AA | A | 𝒪 | Oscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL O |
| 1D4AB | A | 𝒫 | Pscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL P |
| 1D4AC | A | 𝒬 | Qscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL Q |
| #1D4AD=211B | A |  | Rscr | ISOMSCR |  | SCRIPT CAPITAL R <reserved> |
| 1D4AE | A | 𝒮 | Sscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL S |
| 1D4AF | A | 𝒯 | Tscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL T |
| 1D4B0 | A | 𝒰 | Uscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL U |
| 1D4B1 | A | 𝒱 | Vscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL V |
| 1D4B2 | A | 𝒲 | Wscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL W |
| 1D4B3 | A | 𝒳 | Xscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL X |
| 1D4B4 | A | 𝒴 | Yscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL Y |
| 1D4B5 | A | 𝒵 | Zscr | ISOMSCR |  | MATHEMATICAL SCRIPT CAPITAL Z |
| 1D4B6 | A | 𝒶 | ascr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL A |
| 1D4B7 | A | 𝒷 | bscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL B |
| 1D4B8 | A | 𝒸 | cscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL C |
| 1D4B9 | A | 𝒹 | dscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL D |
| #1D4BA=212F | A |  | escr | ISOMSCR |  | SCRIPT SMALL E <reserved> |
| 1D4BB | A | 𝒻 | fscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL F |
| #1D4BC=210A | A |  | gscr | ISOMSCR |  | SCRIPT SMALL G <reserved> |
| 1D4BD | A | 𝒽 | hscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL H |
| 1D4BE | A | 𝒾 | iscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL I |
| 1D4BF | A | 𝒿 | jscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL J |
| 1D4C0 | A | 𝓀 | kscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL K |
| 1D4C1 | A | 𝓁 | lscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL L |
| 1D4C2 | A | 𝓂 | mscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL M |
| 1D4C3 | A | 𝓃 | nscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL N |
| #1D4C4=2134 | A |  | oscr | ISOMSCR |  | SCRIPT SMALL O <reserved> |
| 1D4C5 | A | 𝓅 | pscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL P |
| 1D4C6 | A | 𝓆 | qscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL Q |
| 1D4C7 | A | 𝓇 | rscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL R |
| 1D4C8 | A | 𝓈 | sscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL S |
| 1D4C9 | A | 𝓉 | tscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL T |
| 1D4CA | A | 𝓊 | uscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL U |
| 1D4CB | A | 𝓋 | vscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL V |
| 1D4CC | A | 𝓌 | wscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL W |
| 1D4CD | A | 𝓍 | xscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL X |
| 1D4CE | A | 𝓎 | yscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL Y |
| 1D4CF | A | 𝓏 | zscr | ISOMSCR |  | MATHEMATICAL SCRIPT SMALL Z |
| 1D4D0..1D503 | A | 𝓐..𝔃 |  |  |  | MATHEMATICAL BOLD SCRIPT CAPITAL A..SMALL Z |
| 1D504 | A | 𝔄 | Afr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL A |
| 1D505 | A | 𝔅 | Bfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL B |
| #1D506=212D | A |  | Cfr | ISOMFRK |  | FRAKTUR CAPITAL C <reserved> |
| 1D507 | A | 𝔇 | Dfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL D |
| 1D508 | A | 𝔈 | Efr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL E |
| 1D509 | A | 𝔉 | Ffr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL F |
| 1D50A | A | 𝔊 | Gfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL G |
| #1D50B=210C | A |  | Hfr | ISOMFRK |  | FRAKTUR CAPITAL H <reserved> |
| #1D50C=2111 | A |  | Ifr | ISOMFRK |  | FRAKTUR CAPITAL I <reserved> |
| 1D50D | A | 𝔍 | Jfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL J |
| 1D50E | A | 𝔎 | Kfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL K |
| 1D50F | A | 𝔏 | Lfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL L |
| 1D510 | A | 𝔐 | Mfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL M |
| 1D511 | A | 𝔑 | Nfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL N |
| 1D512 | A | 𝔒 | Ofr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL O |
| 1D513 | A | 𝔓 | Pfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL P |
| 1D514 | A | 𝔔 | Qfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL Q |
| #1D515=211C | A |  | Rfr | ISOMFRK |  | FRAKTUR CAPITAL R <reserved> |
| 1D516 | A | 𝔖 | Sfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL S |
| 1D517 | A | 𝔗 | Tfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL T |
| 1D518 | A | 𝔘 | Ufr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL U |
| 1D519 | A | 𝔙 | Vfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL V |
| 1D51A | A | 𝔚 | Wfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL W |
| 1D51B | A | 𝔛 | Xfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL X |
| 1D51C | A | 𝔜 | Yfr | ISOMFRK |  | MATHEMATICAL FRAKTUR CAPITAL Y |
| #1D51D=2128 | A |  | Zfr | ISOMFRK |  | FRAKTUR CAPITAL Z <reserved> |
| 1D51E | A | 𝔞 | afr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL A |
| 1D51F | A | 𝔟 | bfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL B |
| 1D520 | A | 𝔠 | cfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL C |
| 1D521 | A | 𝔡 | dfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL D |
| 1D522 | A | 𝔢 | efr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL E |
| 1D523 | A | 𝔣 | ffr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL F |
| 1D524 | A | 𝔤 | gfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL G |
| 1D525 | A | 𝔥 | hfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL H |
| 1D526 | A | 𝔦 | ifr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL I |
| 1D527 | A | 𝔧 | jfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL J |
| 1D528 | A | 𝔨 | kfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL K |
| 1D529 | A | 𝔩 | lfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL L |
| 1D52A | A | 𝔪 | mfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL M |
| 1D52B | A | 𝔫 | nfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL N |
| 1D52C | A | 𝔬 | ofr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL O |
| 1D52D | A | 𝔭 | pfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL P |
| 1D52E | A | 𝔮 | qfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL Q |
| 1D52F | A | 𝔯 | rfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL R |
| 1D530 | A | 𝔰 | sfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL S |
| 1D531 | A | 𝔱 | tfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL T |
| 1D532 | A | 𝔲 | ufr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL U |
| 1D533 | A | 𝔳 | vfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL V |
| 1D534 | A | 𝔴 | wfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL W |
| 1D535 | A | 𝔵 | xfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL X |
| 1D536 | A | 𝔶 | yfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL Y |
| 1D537 | A | 𝔷 | zfr | ISOMFRK |  | MATHEMATICAL FRAKTUR SMALL Z |
| 1D538 | A | 𝔸 | Aopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL A |
| 1D539 | A | 𝔹 | Bopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL B |
| #1D53A=2102 | A |  | Copf | ISOMOPF |  | DOUBLE-STRUCK CAPITAL C <reserved> |
| 1D53B | A | 𝔻 | Dopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL D |
| 1D53C | A | 𝔼 | Eopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL E |
| 1D53D | A | 𝔽 | Fopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL F |
| 1D53E | A | 𝔾 | Gopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL G |
| #1D53F=210D | A |  | Hopf | ISOMOPF |  | DOUBLE-STRUCK CAPITAL H <reserved> |
| 1D540 | A | 𝕀 | Iopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL I |
| 1D541 | A | 𝕁 | Jopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL J |
| 1D542 | A | 𝕂 | Kopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL K |
| 1D543 | A | 𝕃 | Lopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL L |
| 1D544 | A | 𝕄 | Mopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL M |
| #1D545=2115 | A |  | Nopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL N <reserved> |
| 1D546 | A | 𝕆 | Oopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL O |
| #1D547=2119 | A |  | Popf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL P <reserved> |
| #1D548=211A | A |  | Qopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL Q <reserved> |
| #1D549=211D | A |  | Ropf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL R <reserved> |
| 1D54A | A | 𝕊 | Sopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL S |
| 1D54B | A | 𝕋 | Topf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL T |
| 1D54C | A | 𝕌 | Uopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL U |
| 1D54D | A | 𝕍 | Vopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL V |
| 1D54E | A | 𝕎 | Wopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL W |
| 1D54F | A | 𝕏 | Xopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL X |
| 1D550 | A | 𝕐 | Yopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL Y |
| #1D551=2124 | A |  | Zopf | ISOMOPF |  | MATHEMATICAL DOUBLE-STRUCK CAPITAL Z <reserved> |
| 1D552 | A | 𝕒 | aopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL A..SMALL Z |
| 1D553 | A | 𝕓 | bopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL B |
| 1D554 | A | 𝕔 | copf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL C |
| 1D555 | A | 𝕕 | dopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL D |
| 1D556 | A | 𝕖 | eopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL E |
| 1D557 | A | 𝕗 | fopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL F |
| 1D558 | A | 𝕘 | gopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL G |
| 1D559 | A | 𝕙 | hopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL H |
| 1D55A | A | 𝕚 | iopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL I |
| 1D55B | A | 𝕛 | jopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL J |
| 1D55C | A | 𝕜 | kopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL K |
| 1D55D | A | 𝕝 | lopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL L |
| 1D55E | A | 𝕞 | mopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL M |
| 1D55F | A | 𝕟 | nopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL N |
| 1D560 | A | 𝕠 | oopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL O |
| 1D561 | A | 𝕡 | popf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL P |
| 1D562 | A | 𝕢 | qopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL Q |
| 1D563 | A | 𝕣 | ropf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL R |
| 1D564 | A | 𝕤 | sopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL S |
| 1D565 | A | 𝕥 | topf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL T |
| 1D566 | A | 𝕦 | uopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL U |
| 1D567 | A | 𝕧 | vopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL V |
| 1D568 | A | 𝕨 | wopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL W |
| 1D569 | A | 𝕩 | xopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL X |
| 1D56A | A | 𝕪 | yopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL Y |
| 1D56B | A | 𝕫 | zopf |  |  | MATHEMATICAL DOUBLE-STRUCK SMALL Z |
| 1D56C..1D6A5 | A |  |  |  |  | MATHEMATICAL BOLD FRAKTUR CAPITAL A..MONOSPACE SMALL Z |
| 1D6A4 | A | 𝚤 |  | ISOAMSO |  | \* MATHEMATICAL ITALIC DOTLESS I |
| 1D6A5 | A | 𝚥 |  | ISOAMSO |  | \* MATHEMATICAL ITALIC DOTLESS J |
| 1D6A8..1D7C9 | A |  |  |  |  | MATHEMATICAL BOLD CAPITAL ALPHA..SANS-SERIF BOLD ITALIC PI SYMBOL |
| 1D7CA | A |  | b.Gammad | ISOGRK4 |  | \* MATHEMATICAL BOLD CAPITAL DIGAMMA |
| 1D7CB | A |  | b.gammad | ISOGRK4 |  | \* MATHEMATICAL BOLD SMALL DIGAMMA |
| 1D7CE..1D7FF | N |  |  |  |  | MATHEMATICAL BOLD DIGIT 0..MONOSPACE DIGIT 9 |