Letterlike Symbols
Range: 2100–214F

The Unicode Standard, Version 3.2
This file contains an excerpt from the character code tables and list of character names for
The Unicode Standard, Version 3.2.

Characters in this chart that are new for The Unicode Standard, Version 3.2 are shown in conjunction with any
existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the
names list.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard.
See http://www.unicode.org/charts for access to a complete list of the latest character charts.

Disclaimer
These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version
3.2 but do not provide all the information needed to fully support individual scripts using the Unicode
Standard. For a complete understanding of the use of the characters contained in this excerpt file, please
consult the appropriate sections of The Unicode Standard, Version 3.0 (ISBN 0-201-61633-5), as well as
Unicode Standard Annexes #28 and #27, the other Unicode Technical Reports and the Unicode Character
Database, which are available on-line.

See http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html and
http://www.unicode.org/unicode/reports

A thorough understanding of the information contained in these additional sources is required for a successful
implementation.

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to the Unicode Standard can be found on the Unicode web site.


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Letterlike Symbols

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</tbody>
</table>
Letterlike symbols

Some of the letterlike symbols are intended to complete the set of mathematical alphanumeric symbols starting at U+1D400.

2100 % ACCENT DE LA LETTRE "OF"
≈ 0061 a 002F / 0063 c
2101 % ADDRESSÉ À LA LETTRE "TO"
≈ 0061 a 002F / 0073 s
2102 ☏ DOUBLE-STRUCK CAPITAL C
= the set of complex numbers
≈ <font> 0043 C latin capital letter c
2103 °C DEGREES CELSIUS
= degrees Centigrade
≈ 00B0 ° 0043 C
2104 ™ CENTRE LINE SYMBOL
= clone
2105 ≠ CARE OF
≈ 0063 c 002F / 006F o
2106 Å CADA UNA
≈ 0063 c 002F / 0075 u
2107 ℰ EULER CONSTANT
→ 0045 E latin capital letter e
≈ 0190 E latin capital letter e
2108 ℮ SCRUPLE
2109 °F DEGREES FAHRENHEIT
≈ 00B0 ° 0046 F
210A ℑ SCRIPT SMALL G
= real number symbol
≈ <font> 0067 g latin small letter g
210B ℭ SCRIPT CAPITAL H
= Hamiltonian function
≈ <font> 0048 H latin capital letter h
210C ℓ BLACK-LETTER CAPITAL H
= Hilbert space
≈ <font> 0048 H latin capital letter h
210D ℡ DOUBLE-STRUCK CAPITAL H
≈ <font> 0048 H latin capital letter h
210E ™ PLANCK CONSTANT
≈ <font> 0068 h latin small letter h
210F ℘ PLANCK CONSTANT OVER TWO PI
→ 045B π cyrillic small letter tse
≈ <font> 0127 h latin small letter h with stroke
2110 ℯ SCRIPT CAPITAL I
≈ <font> 0049 I latin capital letter i
2111 ℱ BLACK-LETTER CAPITAL I
= imaginary part
≈ <font> 0049 I latin capital letter i
2112 ℧ SCRIPT CAPITAL L
= Laplace symbol
≈ <font> 004C L latin capital letter l
2113 ℷ SCRIPT SMALL L
= liter (not an official SI recommendation)
• the glyph shown is that of the traditional liter symbol, rather than a glyph harmonized with mathematical script fonts
≈ <font> 006C I latin small letter l
2114 ℸ L B BAR SYMBOL
= pounds
2115 ℹ DOUBLE-STRUCK CAPITAL N
= natural number
≈ <font> 004E N latin capital letter n
2116 ℹ️ NUMERO SIGN
= 004E N 006F o
2117 Ⓡ SOUND RECORDING COPYRIGHT
= published
= phonorecord sign
→ 00A9 Ⓡ copyright sign
2118 Ⓢ SCRIPT CAPITAL P
= Weierstrass elliptic function
• actually this has the form of a lowercase calligraphic p, despite its name
2119 Ⓣ DOUBLE-STRUCK CAPITAL P
≈ <font> 0050 P latin capital letter p
211A ℺ DOUBLE-STRUCK CAPITAL Q
= the set of rational numbers
≈ <font> 0051 Q latin capital letter q
211B ℺ SCRIPT CAPITAL R
= Riemann Integral
≈ <font> 0052 R latin capital letter r
211C ℻ BLACK-LETTER CAPITAL R
= real part
≈ <font> 0052 R latin capital letter r
211D ℾ DOUBLE-STRUCK CAPITAL R
= the set of real numbers
≈ <font> 0052 R latin capital letter r
211E ℽ PRESCRIPTION TAKE
= recipe
= cross ratio
211F ℽ RESPONSE
2120 ℼ SERVICE MARK
≈ <sup>0053 S 004D M</sup>
2121 ℽ TELEPHONE SIGN
≈ 0054 T 004E E 004C L
2122 ℽ TRADE MARK SIGN
≈ <sup>0054 T 004D M</sup>
2123 ℽ VERSICLE
2124 ℽ DOUBLE-STRUCK CAPITAL Z
= the set of integers
≈ <font> 005A Z latin capital letter z
2125 ℽ OUNCE SIGN
→ 021D ℽ latin small letter yogh
2126 ℬ OHM SIGN
= SI unit of resistance, named after G. S. Ohm, German physicist
• preferred representation is 03A9 Ω
= 03A9 Ω greek capital letter omega
2127 ℬ INVERTED OHM SIGN
= MHO
• archaic unit of conductance (= the SI unit siemens)
• typographically a turned greek capital letter omega
→ 01B1 Ø latin capital letter upsilon
→ 03A9 Ø greek capital letter omega

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Letterlike Symbols

Additional letterlike symbols

Double-struck large operator

Additional letterlike symbols

Double-struck italic mathematical symbols

These stylized mathematical symbols are used in some documents to distinguish special mathematical usages from ordinary variables.

Hebrew letterlike math symbols (left-to-right)

Alef Symbol

Bet Symbol

Gimel Symbol

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