The Brill Typeface User Guide & Complete List of Characters

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Pim Rietbroek

BRILL

Preamble

Few typefaces – if any – allow the user to access every Latin character, every IPA character, every diacritic, and to have these combine in a typographically satisfactory manner, in a range of styles (roman, italic, and more); even fewer add full support for Greek, both modern and ancient, with specialised characters that papyrologists and epigraphers need; not to mention coverage of the Slavic languages in the Cyrillic range. The Brill typeface aims to do just that, and to be a tool for all scholars in the humanities; for Brill's authors and editors; for Brill's staff and service providers; and finally, for anyone in need of this tool, as long as it is not used for any commercial gain.*

There are several fonts in different styles, each of which has the same set of characters as all the others. The Unicode Standard is rigorously adhered to: there is no dependence on the Private Use Area (PUA), as it happens frequently in other fonts with regard to characters carrying rare diacritics or combinations of diacritics. Instead, all alphabetic characters can carry any diacritic or combination of diacritics, even stacked, with automatic correct positioning. This is made possible by the inclusion of all of Unicode's combining characters and by the application of extensive OpenType Glyph Positioning programming.

Credits

The Brill fonts are an original design by John Hudson of Tiro Typeworks. Alice Savoie contributed to Brill bold and bold italic. The black-letter ('Fraktur') range of characters was made by Karsten Lücke. Valuable advice about the Greek and about the Cyrillic designs was graciously given by Gerry Leonidas and by Maxim Zhukov, respectively. We are grateful to beta testers David Beck, Uwe Bläsing, Hein van der Voort.

Software requirements

The Brill fonts basically work on all modern computer systems, both PC and Mac. The PC operating system should be at least MS Windows XP; Macs should have OS X v. 10.4 or newer. [We have not tested the Brill fonts on Linux systems.] More advanced features of the Brill fonts – Opentype features such as true small caps, ligatures, stylistic sets – are available in some applications but not in others. For instance, MS Office Word versions 2010 (Windows) and 2011 (OS X) support ligatures, provide access to stylistic sets, and to alternate number forms and spacing; earlier versions of Word do not – and true small caps are still not accessible in MS Word, in any version. Page layout programs like Adobe InDesign provide the fullest support. On OS X, especially from v. 10.6.x, many OpenType features are available to programs like TextEdit and Nisus Writer Pro through the operating system's Typography palette (accessible through the 'gear' button in the Fonts panel); Mellel uses its own mechanism.

The list of characters

Below, you will find an exhaustive list of characters contained in the Brill fonts. The major subdivisions are: Latin

Ordered alphabetically as far as possible. Following Z, characters like thorn, yogh, wynn, vend, ezh, glottal stop.

Combining characters, spacing modifier letters, and similarly-shaped characters and marks This section clusters characters by shape. Near the end of this section, sundry arrows can be found.

^{*} Please consult the Brill typeface's End User License Agreement, available on the Brill typeface web page, which spells out the complete and exact conditions of use.

Digits, numbers, and mathematical operators, plus similarly-shaped characters

This section also contains roman numerals.

Punctuation marks, plus similarly-shaped characters

Marks with similar shapes are clustered together.

Various symbols

A miscellany. Metrical symbols are found here, as well as religious symbols, and celestial symbols.

Greek

All Greek characters, accents, breathings, punctuation marks, numeral signs, editorial symbols, metrical symbols, acrophonic numerals, and papyrological symbols.

Cyrillic

Modern Slavic Cyrillic, with in addition a few historical characters like yat.

How to use Unicode values

Your keyboard will not show keys for all the characters contained in the Brill fonts. In order to key some of them, like Greek or Cyrillic, your physical keyboard can be 'switched' in software to produce these characters. But that still leaves many difficult to access, unless one uses the Insert Symbol command in MS Word (Windows), or OS X's Character Palette. A quicker way to insert characters for which no keyboard equivalent exists is to use the Unicode hexadecimal character number. The characters in the list are all preceded by a four- or five-figure hexadecimal number. (Hexadecimal – or 'base-16' – numbers run from o to 9 and then up from A to F.) These are the unique code values (Unicodes) of each character. On PCs, in MS Office programs, one types the four- or five-figure number and then immediately after that presses Alt X, which replaces the code with the character. Typing Alt X again will toggle it back to the code. OS X allows the user to input hexadecimal values directly with the Unicode Hex keyboard layout. This needs to be activated once via System Preferences... → Language & Text → Input Sources: checkmark next to 'Unicode Hex Input'. If it was not active before, a keyboard menu appears in the menu bar towards the right. To use it, first choose Unicode Hex Input, press down the 'Option' key (sometimes called 'Alt'), key the four-character hexadecimal code, and let go of the 'Option' key: the character appears. (Unicode Hex Input does not accept five-character hexadecimal codes. If you need characters from this higher range, please use the Character Palette.)

How to use combining diacritics

Any alphabetic character can carry one or more diacritics above or below. First, the base character is keyed, then any diacritics. These diacritics are *combining*, *i.e.*, they have zero width of their own and they are positioned above the *preceding* character. When a base character carries one diacritic above and one below, add the diacritic above first, before the diacritic below. When there is more than one diacritic on *one* end of a base character, the order is extremely important: add the diacritic closest to the base character first and then work outward; this goes equally for diacritics above and below. In the examples below, a dotted circle (a) stands for a base character to which a diacritic is added.

$$s + \circ + \circ = \S$$

 $s + \circ + \circ = \S$ but $s + \circ + \circ = \S$

Dutch users will appreciate the possibility of putting acute accents on the letter ij (IJ), thus:

$$ij + 6 = ij$$

$$IJ + 6 = ij$$

Note that in this case only one combining acute accent needs to be added.

Egyptological yod

This character (lowercase i, uppercase I) is a combination of i (or I) and i (u+0486, combining cyrillic psili pneumata).

How to access alternate glyphs and how to make full use of OpenType

The following OpenType features that can be controlled by users are present in the Brill fonts. Please note that whether a feature can be controlled at all depends on the software one uses. Generally, page layout applications like Adobe InDesign allow access to most if not all features, whereas word processing applications like MS Word are much more limited.

Case-sensitive forms ('case'). Adobe InDesign, OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel). Example: parentheses, when formatted as All Caps in InDesign, are vertically adjusted to match capitals. (OS X Typography palette: 'Case-Sensitive Layout': Capital Forms)

Compare (case)(CASE).

Small capitals ('smcp'), and small capitals from capitals ('c2sc'). Adobe InDesign, OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel: 'Letter Case', either Small Capitals, or Small Capitals From Capitals).

TRUE SMALL CAPS, not CAPITALS REDUCED IN SIZE.

Also available in Greek and Cyrillic text. Greek text in small caps may carry accents and breathings, or these can be hidden; this is controlled by the Contextual Alternates switch in Adobe InDesign (OS X Typography palette: 'Character Alternates', check or uncheck Contextual Alternate).

Ligatures:

Standard ligatures ('liga'). Adobe InDesign, MS Word 2010 (Windows), MS Word 2011 (OS X). These include fi, fl, ffl, ffl, ffl, but also fi, fl, fb, fi, di, gi, and many others.

Discretionary ligatures ('dlig'). Adobe InDesign, MS Word 2010 (Windows), MS Word 2011 (OS X). The sequences ct, ct,

Character variants 2 ('cvo2'). Adobe InDesign (Glyphs palette). Example: the Editorial Coronis ($\frac{1}{2}$, U+2EoE) has two alternative shapes, $\frac{1}{2}$ and $\frac{1}{2}$.

Contextual alternates ('calt'). InDesign, MS Word 2010 (Windows), MS Word 2011 (OS X). Example: Greek text, when formatted as All Caps and when Contextual Alternates is unchecked, shows breathings and accents; when Contextual Alternates is checked, breathings and accents are suppressed. Example:

ΠΑΛΛΆΣ ΆΘΗΝΑΊΗ ΧΕΙΡΑΣ ΎΠΕΡΘΕΝ ΈΧΕΙ

ΠΑΛΛΑΣ ΑΘΗΝΑΙΗ ΧΕΙΡΑΣ ΥΠΕΡΘΕΝ ΕΧΕΙ

The same also goes for text formatted as small caps, but this does not work in MS Word:

ΠΑΛΛΆΣ ΑΘΗΝΑΙΉ ΧΕΙΡΑΣ ΥΠΕΡΘΕΝ ΕΧΕΙ

ΠΑΛΛΑΣ ΑΘΗΝΑΙΗ ΧΕΙΡΑΣ ΥΠΕΡΘΕΝ ΕΧΕΙ

Stylistic set 1 ('sso1'). InDesign, MS Word 2011 (OS X). When applied to Greek text formatted as small caps, this changes adscript iota to iota subscript.

ΕΑΝ ΔΕ ΙΔΙΩΤΗΣ ΤΙΣ ΘΥΗΙ ΤΗΙ ΘΕΩΙ ΔΙΔΟΝΑΙ ΤΗΙ ΙΕΡΕΑΙ...

ΕΑΝ ΔΕ ΙΔΙΩΤΗΣ ΤΙΣ ΘΥΗ ΤΗ ΘΕΩ ΔΙΔΟΝΑΙ ΤΗ ΙΕΡΕΑ...

Stylistic set 2 ('sso2'). InDesign, MS Word 2011 (OS X). When applied to Greek iota-plus-diaeresis combinations formatted as caps or as small caps, this makes the diaeresis flank the iota.

NHÏ

NHI

NHÏ

NHI

Stylistic set 3 ('sso3'). InDesign, MS Word 2011 (OS X). Changes the shape of some Greek letters and a few symbols, those used in the so-called acrophonic numeral system, to match the style of the other acrophonic numerals.

IΔHFXM become IΔHHXM; compare the style of U+10143: □

Stylistic set 4 ('sso4'). InDesign, MS Word 2011 (OS X). Changes four-bar Sigma to three-bar Sigma in acrophonic numerals denoting amounts of staters.

Stylistic set 20 ('ss20'). InDesign, MS Word 2011 (OS X). Changes the shapes of Greek β , θ , λ , and χ to match Latin character shapes; also changes the italic shapes of a, f, and g to a, f, and g. Mainly used in linguistic contexts.

```
βθλχafg
βθλχafg
```

Lining figures ('lnum'). InDesign, MS Word 2010 (Windows), MS Word 2011 (OS X), OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel: 'Number Case'). Numerals can be formatted as old-style (the default: figures match lowercase text) or as lining (all the same height, cap-height).

Old-style numerals: 0123456789 Lining numerals: 0123456789

Tabular figures ('tnum'). InDesign, MS Word 2011 (OS X), OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel: 'Number Spacing').

Numerals, both old-style and lining, can be formatted as proportional (the default: figures vary in width, to maintain text colour) or as tabular (all have the same width, so that figures line up in tabular data).

Old-style numerals, proportional: 0123456789 Old-style numerals, tabular: 0123456789 Lining numerals, tabular: 0123456789 Lining numerals, proportional: 0123456789

Subscript/inferior ('subs') and superscript/superior ('sups'). InDesign, OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel: 'Vertical Position'). Numerals formatted using the OpenType subscript and superscript options have their proper weight. In the examples below, the letters x and H are added to show the relative positions of subscripts and superscripts. Subscript numerals: $x_{0123456789}H$; superscript numerals: $x^{0123456789}H$.

Please note that when OpenType subscript or superscript numerals are used, these should *not* additionally receive subscript or superscript formatting or styling, or any change in font size due to a particular style definition, such as is often applied by footnote reference marker styles.

Fractions ('frac'). InDesign, OS X applications using the Typography palette (accessible through the 'gear' button in the Fonts panel). Numerals can be formatted properly as numerators and denominators by applying Fractions (OS X Typography palette: 'Contextual Fractional Forms' On); this also adjusts the shape of the slash character.

Compare 123/456 and 123/456.

```
Latin
0061
       a
            instead of a: apply Stylistic Set 20 (as well as the italic font)
       a
1D00
            small capital a; linguistic use only
       Α
            Fraktur (black letter) lowercase a; used as a symbol only
1D51E a
       (a) parenthesized Latin lowercase a; used as a symbol only
249C
24D0
       (a)
            circled Latin lowercase a; used as a symbol only
0040
       @
            commercial at, at sign
```

```
subscript lowercase a
2090
            combining small letter a
0363
        ៉
            IPA open-mid schwa; uppercase is V, 2C6F
        g
0250
            IPA open back unrounded; uppercase is Q, 2C6D
0251
            in Brill fonts: lowercase only; IPA open back rounded; uppercase is 2C70, introduced with
0252
        ŋ
        ŋ
            modifier letter small turned alpha; superscript; linguistic use only
1D9B
            feminine ordinal
ooAA
00E1
        á
ooEo
       à
00E2
        â
00E4
        ä
        ã
ooE3
        ā
0101
        ă
0103
        ă
01CE
ooE5
        å
0201
        å
        â
0203
        å
0227
        å
            no uppercase
1E9A
ıEA3
        å
2C65
        Ą
0105
        ą
1EA1
        ą
1E01
        ą
            lowercase a with retroflex hook
1D8F
        a.
1D90
            lowercase alpha with retroflex hook
        \mathbf{q}_{\cdot}
1EA5
        ã
ıEA7
        à
        ã
1EAB
        ẩ
ıEA9
1EAF
        å
        å
1EB1
        ã
1EB5
        å
ıEB3
        ā
01DF
        å
01FB
        ā
01E1
1EAD
        â
1EB7
        ă
A<sub>733</sub>
        æ
            lowercase aa; medievalist use
            IPA raised open front unrounded
ooE6
        æ
            small capital æ; linguistic use only
1D01
        Æ
            small letter turned æ
1D02
        æ
ıDD4
        ૿
            combining small letter æ
o<sub>1</sub>FD
        æ
01E3
        æ
```

```
A735
            lowercase ao; medievalist use
ıDD5
       <sup>జ</sup>
            combining small letter ao
            lowercase au; medievalist use
A737
       aı
            lowercase av; medievalist use
A739
       a/
ıDD6
       å<sup>v</sup>
            combining small letter av
            lowercase av with horizontal bar; medievalist use
A73B
            lowercase ay; medievalist use
A<sub>73</sub>D
       a/
0041
       A
2C6F
       \forall
            lowercase is v, 0250
2C6D (I
            lowercase is a, 0251
1D504
       \mathfrak{A}
            Fraktur (black letter) uppercase A; used as a symbol only
24B6
       (A)
            circled Latin uppercase A; used as a symbol only
       Á
00C1
ooCo
       À
       Â
00C2
       Ä
00C4
ooC3
       Ã
       Ā
0100
       Ă
0102
       Ă
01CD
       Å
ooC5
212B
       Å
            Ångström sign; preferred representation is Å, ooC5
       À
0200
       Â
0202
       À
0226
       Å
1EA2
023A
       A
0104
       Ą
1EAo
       À
1E00
       A
       Ã
ıEA4
       Â
ıEA6
1EAA
       Ã
       Â
ıEA8
       Ā
01DE
       Å
1EAE
       À
1EBo
       Ã
ıEB4
       Å
1EB2
       Å
01FA
       Ā
o<sub>1</sub>Eo
       Â
1EAC
       Ă
ıEB6
            uppercase AA; medievalist use
A732
ooC6
       Æ
       Æ
o1FC
       Æ
01E2
A734
       AO uppercase AO; medievalist use
```

```
A736
            uppercase AU; medievalist use
            uppercase AV; medievalist use
A738
       A
A73A
      \mathcal{H}
            uppercase AV with horizontal bar; medievalist use
A<sub>73</sub>C
       A
            uppercase AY; medievalist use
0062
        b
1D51F
        b
            Fraktur (black letter) lowercase b; used as a symbol only
249D
            parenthesized Latin lowercase b; used as a symbol only
            circled Latin lowercase b; used as a symbol only
24D1
            small capital; linguistic use only: IPA voiced bilabial trill
0299
            small capital barred b; linguistic use only
1D03
        В
03B2
            lowercase Greek beta with 'Latin' shape: IPA voiced bilabial fricative (this OpenType glyph
            variant is accessed in Stylistic Set 20)
        b
1E03
        6
            IPA voiced bilabial implosive; uppercase is B, 0181
0253
        Б
            uppercase is 5, 0182
0183
        ħ
            uppercase is B, 0243
0180
1D6C
        ъ
            small letter b with middle tilde
1E05
        b
1E07
        b
1D80
        þ
            lowercase b with palatal hook
            uppercase is b, 0184
0185
        b
        В
0042
        \mathfrak{B}
1D505
            Fraktur (black letter) uppercase B; used as a symbol only
        (B)
            circled Latin uppercase B; used as a symbol only
24B7
        Ė
1E02
        В
0181
            lowercase is 6, 0253
        Б
            lowercase is 5, 0183
0182
        ₿
            lowercase is b, 0180
0243
1E04
        В
1E06
        В
0184
        Ь
            lowercase is b, 0185
0063
        c
1D9C
            modifier letter lowercase c; superscript; linguistic use only
            small capital; linguistic use only
1D04
            Fraktur (black letter) lowercase c; used as a symbol only
1D520 c
            parenthesized Latin lowercase c; used as a symbol only
249E
        (c)
            circled Latin lowercase c; used as a symbol only
24D2
            copyright sign; do not confuse with ©, 24B8, circled Latin uppercase C
        (C)
ooA9
0368
        ်
            combining small letter c
            open o = IPA open-mid back rounded; typographically a turned c; uppercase is 3, 0186
0254
        Э
1D10
            small capital open o: typographically a turned c; linguistic use only
            lowercase reversed c with dot; medievalist use
A<sub>73</sub>F
            lowercase open o with retroflex hook
1D97
        Ç
            stretched c: formerly the IPA postalveolar click; see also \(\dagger\), 01C2, and \(\dagger\), 01C3
0297
        ć
0107
        ĉ
0109
010D
        č
010B
        ċ
```

```
0188
        ď
            lowercase c with stroke; linguistic use; do not confuse with ¢, ooA2, cent sign
023C
        ¢
            cent sign; do not confuse with e, 023C, lowercase c with stroke
00A2
        ¢
ooE7
            lowercase c with cedilla; IPA voiceless palatal fricative
        ç
1DD7
        ိ်
            combining small letter c cedilla
            IPA voiceless alveolopalatal fricative; no uppercase
0255
        Ç
            modifier letter lowercase c with curl; superscript; linguistic use only
1D9D
1E09
        C
0043
        \mathbb{C}
            Fraktur (black letter) uppercase C; used as a symbol only
212D
24B8
            circled Latin uppercase C; used as a symbol only; compare ©, ooA9, copyright sign, with which
            it should not be confused
        С
            open o: typographically a turned C; lowercase is 0254
0186
        Э
            uppercase reversed C with dot; medievalist use
A73E
        Ć
0106
        Ĉ
0108
        Č
010C
        Ċ
010A
        C
0187
023B
        Ø
       Ç
ooC7
1E08
0064
        d
1D05
        D
            small capital; linguistic use only
            Fraktur (black letter) lowercase d; used as a symbol only
1D521
        (d) parenthesized Latin lowercase d; used as a symbol only
249F
24D3
        (d)
            circled Latin lowercase d; used as a symbol only
            combining small letter d
0369
1DD8
       ै
            combining small letter insular d
            Latin small letter delta
1E9F
        δ
            Latin small letter turned delta
018D
ooFo
            lowercase eth; IPA voiced dental fricative
       ð
1Do6
            small capital eth; linguistic use only
        Đ
        ð
1D9E
            modifier letter small eth; superscript; linguistic use only
       ै
1DD9
            combining small letter eth
010F
        ď
            uppercase is Ď, 010E
        đ
            uppercase is Đ, 0110; compare uppercase eth: Đ, 00Do; and African D, Đ, 0189
0111
            small letter d with middle tilde
1D6D
        đ
       d
1EoB
        ď
            IPA voiced alveolar implosive; uppercase is D, 018A
0257
1D91
        q.
            lowercase d with hook and tail
            d with topbar; uppercase is 3, 018B
018C
        d
            lowercase abbreviation dum
       d_{\!\scriptscriptstyle L}
A771
       d
1EoD
1EoF
        d
1E11
        d
        d
1E13
```

```
0256
            African D, uppercase is Đ, 0189; IPA voiced retroflex plosive; compare uppercase eth: Đ, 00Do;
            and Đ, 0110, uppercase from đ, 0111
        d
            no uppercase
0221
1D81
        d
            lowercase d with palatal hook
        ф
            db digraph; no uppercase
0238
        dz
            dz digraph; no uppercase
02A3
            dz digraph with curl; no uppercase
02A5
       ďг
            dezh digraph; IPA voiced postalveolar affricate; no uppercase
02A4
       ďз
            with initial cap Dz, 01F2; all-uppercase is DZ, 01F1
01F3
01C6
            with initial cap Dž, 01C5; all-uppercase is DŽ, 01C4
       D
0044
1D507
       \mathfrak{D}
            Fraktur (black letter) uppercase D; used as a symbol only
        (D)
            circled Latin uppercase D; used as a symbol only
24B9
       Ď
010E
            lowercase is d', 010F
       Ď
1EoA
       D
018A
            lowercase is d, 0257
018B
        Б
            D with topbar; lowercase is d, 018C
ooDo
       Đ
            uppercase eth, lowercase is ð, 00F0; compare uppercase D from đ, 0110; and African D, D, 0189
            lowercase is d, 0111; compare uppercase eth: Đ, 00Do; and African D, Đ, 0189
0110
        Ð
        Ð
            lowercase is d, 0256; African D; compare uppercase Đ from đ, 0110; and uppercase eth: Đ, 00Do
0189
       D
1EoC
       D
1EoE
       D
1E10
        D
1E12
01F2
       Dz with initial cap; all-uppercase is DZ, o1F1; lowercase is dz, o1F3
        DZ all-uppercase; with initial cap Dz, 01F2; lowercase is dz, 01F3
01F1
        Dž with initial cap; all-uppercase is DŽ, 01C4; lowercase is dž, 01C6
01C5
01C4
       DŽ all-uppercase; with initial cap Dž, o1C5; lowercase is dž, o1C6
0065
       e
            small capital; linguistic use only
1D07
        Е
            Fraktur (black letter) lowercase e; used as a symbol only
1D522 e
        (e) parenthesized Latin lowercase e; used as a symbol only
24A0
       (e)
            circled Latin lowercase e; used as a symbol only
24D4
            subscript lowercase e
2091
        ံ
            combining small letter e
0364
01DD
            pan-Nigerian alphabet; uppercase is 3, 018E; compare Azerbaijani and linguistic 2, 0259 and its
       Э
            uppercase \theta, 018F
            Azerbaijani, and linguistic use (IPA) for šwa; uppercase is \Theta, 018F; compare Pan-Nigerian \Theta,
0259
        G
            o1DD and its uppercase 3, o18E
            subscript lowercase šwa
2094
025A
            šwa with hook; IPA rhotacized šwa; no uppercase
        ⅌
            lowercase šwa with retroflex hook
1D95
        \partial_{l}
            reversed e; IPA close-mid šwa; no uppercase
0258
        е
            Latin lowercase open e = Latin epsilon; IPA open-mid front unrounded; linguistic use only, not
025B
        3
            for Greek text; uppercase is E, 0190
1D93
            lowercase open e with retroflex hook
       ξ
            reversed open e; IPA open-mid central; no uppercase
025C
       3
```

modifier letter small reversed open e; superscript; linguistic use only

1D9F

```
1D08
            small letter turned open e
1D94
            lowercase reversed open e with retroflex hook
            reversed open e with hook; IPA rhotacized open-mid central; no uppercase
025D
       3∘
            closed reversed open e; IPA open-mid central rounded; no uppercase
025E
       в
            closed open e = closed epsilon; no uppercase
029A
       8
ooE9
       é
ooE8
       è
       ê
ooEA
ooEB
       ë
1EBD
       ẽ
0113
       ē
       ĕ
0115
       ě
onB
       è
0205
       ê
0207
       ė
0117
1EBB
       é
            UPA lowercase e with notch
2C78
       e.
0247
       ø
       ę
0119
1EB9
       ė
0229
       ę
1E19
       ě
1E1B
       ę
            lowercase e with retroflex hook
1D92
       ę
1EBF
       é
1EC1
       è
       ê
1EC5
       ể
ıEC3
1EC7
       ê
       é
1E17
       è
1E15
1E1D
       ĕ
       E
0045
018E
       \mathbf{E}
            Pan-Nigerian alphabet; lowercase is ə, o1DD; compare Azerbaijani and linguistic ə, o18F and
            its lowercase ə, 0259
018F
       Э
            Azerbaijani, and linguistic use, šwa; lowercase is ə, 0259; compare Pan-Nigerian I, 018E and its
            lowercase ə, o1DD
            Fraktur (black letter) uppercase E; used as a symbol only
1D508
      \mathfrak{E}
24BA
       (E)
            circled Latin uppercase E; used as a symbol only
       3
0190
            linguistic use only, not for Greek text; lowercase is ε, 025B
20AC
       €
            Euro sign
       e
212E
            estimated symbol, used in European packaging
       É
ooC9
       È
ooC8
ooCA Ê
       Ë
ooCB
       Ĕ
1EBC
```

```
Ē
0112
        Ĕ
0114
        Ě
011A
        È
0204
        Ê
0206
        Ė
0116
        Ě
1EBA
        E
0246
        Ę
0118
1EB8
        Ė
0228
        Ę
1E18
        Ė
        E
1E1A
        É
1EBE
        È
1ECo
        Ê
1EC4
        É
1EC2
        Ê
1EC6
        É
1E16
        È
1E14
        Ĕ
1E1C
0066
        f
             instead of f: apply Stylistic Set 20 (as well as the italic font)
             small capital f; medievalist use
A730
        F
             lowercase Greek wau (or digamma)
o<sub>3</sub>DD
             Fraktur (black letter) lowercase f; used as a symbol only
1D523
             parenthesized Latin lowercase f; used as a symbol only
24A1
        (f)
24D5
             circled Latin lowercase f; used as a symbol only
214E
             Claudian turned lowercase f; uppercase is 4, 2132
1DAo
             modifier letter small f; superscript; linguistic use only
             lowercase f with hook; Dutch florin (guilder); uppercase is F, 0191; do not confuse with
        f
0192
             lowercase abbreviation is, f, A<sub>7</sub>6D, or with lowercase dotless j with stroke and hook, f, o<sub>2</sub>84
             turned f, used as Latin small letter dotless j with stroke; IPA voiced palatal plosive; no
025F
        ŀ
             uppercase
1DA1
        j
             modifier letter small dotless j with stroke; superscript; linguistic use only
0278
             Latin small letter phi; IPA voiceless bilabial fricative; not the same as Greek \varphi, 03C6; not phi
        ф
             symbol, φ, o<sub>3</sub>D<sub>5</sub>; no uppercase
             modifier letter small phi; superscript; linguistic use only
1DB<sub>2</sub>
             UPA lowercase tailless phi
2C77
        Φ
1E1F
        Ė
        £
             small letter f with middle tilde
1D6E
             lowercase f with palatal hook
1D82
             lowercase ligature ff; do not use: this character is only present for legacy purposes
FBoo
        ff
             lowercase ligature ffi; do not use: this character is only present for legacy purposes
FB03
        ffl
             lowercase ligature ffl; do not use: this character is only present for legacy purposes
FB<sub>04</sub>
FB<sub>01</sub>
        fi
             lowercase ligature fi; do not use: this character is only present for legacy purposes
FB02
             lowercase ligature fl; do not use: this character is only present for legacy purposes
             feng digraph; no uppercase
02A9
        fη
```

```
F
0046
o<sub>3</sub>DC
      F
            uppercase Greek Wau (or Digamma)
            epigraphic reversed F
A<sub>7</sub>FB
       F
2132
       Ь
            Claudian turned uppercase F; Claudian digamma inversum; lowercase is 1, 214E
            Fraktur (black letter) uppercase F; used as a symbol only
1D509
       ۶
24BB
       (F)
            circled Latin uppercase F; used as a symbol only
        Ė
1E1E
       F
            lowercase is f, 0192
0191
0067
       g
            instead of g: apply Stylistic Set 20 (as well as the italic font)
1DDA
            combining small letter g
0262
        G
            small capital g; IPA voiced uvular plosive; for linguistic use only
1DDB
       ိ
            combining letter small capital g
            script g; IPA voiced velar plosive; no uppercase
0261
        g
1DA2
            modifier letter small script g; superscript; linguistic use only
            Fraktur (black letter) lowercase g; used as a symbol only
1D524
24A2
            parenthesized Latin lowercase g; used as a symbol only
        (g)
            circled Latin lowercase g; used as a symbol only
24D6
       (g)
            Latin small letter insular g
1D79
        δ
            small letter turned g
1D77
        8
            linguistic use only, not for Greek text; IPA voiced velar fricative; uppercase is \( \chi, \) 0194; compare
0263
       X
            y, 02E0, and y, 0264
02E0
       У
            modifier letter small gamma; IPA velarized; occasionally used in transcription of affricates;
            compare y, 0263, and v, 0264
            rams horn = baby gamma; IPA close-mid back unrounded; no uppercase
0264
        γ
            Greek letter small capital gamma; not for Greek text, linguistic use only
1D26
        Г
01F5
        ģ
011D
       ĝ
1E21
        ġ
onF
        ğ
        ğ
01E7
0121
        ġ
            uppercase is G, 0122
0123
        ģ
            IPA voiced velar implosive; uppercase is G, 0193
0260
       g
029B
       ď
            small capital g with hook; IPA voiced uvular implosive; linguistic use only
01E5
        g
            lowercase g with palatal hook
1D83
        g,
0047
        G
1D50A б
            Fraktur (black letter) uppercase G; used as a symbol only
24BC
        (G)
            circled Latin uppercase G; used as a symbol only
        V
            linguistic use only, not for Greek text; lowercase is y, 0263
0194
        Ġ
01F4
       Ĝ
011C
        Ğ
1E20
        Ğ
011E
        Ğ
01E6
        Ġ
0120
        G
            lowercase is f, 0260
0193
```

```
01E4
        G
0122
        Ģ
            lowercase is g, 0123
0068
       h
            IPA labial-palatal approximant; uppercase is 4, A78D
0265
       Ч
        ų
            modifier letter small turned h; superscript; linguistic use only
1DA3
            turned h with fishhook; no uppercase
o2AE
       η
02AF
       ų.
            turned h with fishhook and tail; no uppercase
            small capital h; IPA voiceless epiglottal fricative; linguistic use only
029C
       Н
            Fraktur (black letter) lowercase h; used as a symbol only
1D525
24A3
        (h) parenthesized Latin lowercase h; used as a symbol only
24D7
            circled Latin lowercase h; used as a symbol only
02B0
            modifier letter small h; superscript; IPA aspirated
036A
        å
            combining small letter h
            Claudian lowercase half h
2C76
        ĥ
0125
        ĥ
1E27
       ň
021F
       h
1E23
        ħ
            IPA voiceless pharyngeal fricative
0127
        ĥ
            h with hook; IPA voiced glottal fricative; no uppercase
0266
        ĥ
02B1
            modifier letter small h with hook; superscript; IPA breathy-voice-aspirated
            heng with hook; IPA voiceless multi-place fricative; no uppercase
        h
0267
            lowercase heng; Mayanist use
A727
        h
1E25
       h
1E29
        h
            lowercase h with descender (for Uighur)
2C68
       h
1E2B
        h
            no uppercase (use a combination of H and o, 0331, combining macron below)
1E96
       h
       h
            uppercase is H<sub>0</sub>, o<sub>1</sub>F6
0195
       Η
0048
210C
        \mathfrak{H}
            Fraktur (black letter) uppercase H; used as a symbol only
24BD
       (H)
            circled Latin uppercase H; used as a symbol only
       Ч
            lowercase is 4, 0265
A<sub>7</sub>8D
        ŀ
            Claudian uppercase half H
2C75
        Ĥ
0124
       Ä
1E26
       Ě
021E
       Ĥ
1E22
       Ħ
0126
A726
       Н
            uppercase Heng; Mayanist use
1E24
       H
1E28
        H
       Н
            uppercase H with descender (for Uighur)
2C67
1E2A
        Η
01F6
        Н
            lowercase is h, 0195
0069
            compare uppercase İ, 0130, for Turkish etc.
            Fraktur (black letter) lowercase i; used as a symbol only
1D526
        (i) parenthesized Latin lowercase i; used as a symbol only
24A4
```

```
(i) circled Latin lowercase i; used as a symbol only
24D8
            superscript lowercase i (modifier); linguistic use only
2071
            combining small letter i
        ំ
0365
026A
            small cap, linguistic use only; IPA lax close front unrounded; uppercase is I, 0197, according to
            ISO 6438: African coded character set for bibliographic information interchange
1DA6
            modifier letter small capital i; superscript; linguistic use only
            small capital letter i with stroke; linguistic use only
1D7B
            modifier letter small capital i with stroke; superscript; linguistic use only
1DA7
            small letter turned i
1D09
        İ
            dotless i
0131
        1
0269
            lowercase iota: for linguistic use only, not for Greek text; uppercase is l, 0196
        ι
1DA5
            modifier letter small iota; superscript; linguistic use only
            Latin small letter iota with stroke
1D7C
ooED
       ì
ooEC
       î
ooEE
ooEF
       ï
0129
012B
       ĭ
012D
oıDo
       ĭ
       ì
0209
        î
020B
        î
1EC9
        ì
            egyptological yod: a combination of i and 3, 0486
            barred i; IPA close central unrounded; uppercase is I, 0197
0268
            modifier letter small i with stroke; superscript; linguistic use only
1DA4
012F
1ECB
        į
1E2D
1D96
            lowercase i with retroflex hook
        į
1E2F
       I
0049
       Ι
            epigraphic I longa
A<sub>7</sub>FE
        \mathfrak{J}
             Fraktur (black letter) uppercase I; used as a symbol only
2111
24BE
        (I)
            circled Latin uppercase I; used as a symbol only
            uppercase iota: for linguistic use only, not for Greek text; lowercase is 1, 0269
0196
        l
0130
ooCD Í
ooCC
      Ì
ooCE
       Ϊ
ooCF
        Ĩ
0128
012A
        Ĭ
012C
       Ĭ
o<sub>1</sub>CF
       Ĩ
0208
       Î
020A
```

```
1EC8
       Í
       ľ
            uppercase egyptological yod: a combination of I and 4, 0486
       Ŧ
            barred i; lowercase is i, 0268; alternatively, lowercase is small cap I, 026A, according to ISO
0197
            6438: African coded character set for bibliographic information interchange
012E
1ECA
       Į
1E2C
       Ϊ
1E2E
006A
            small capital; linguistic use only
1DoA
       J
1D527
            Fraktur (black letter) lowercase j; used as a symbol only
       (j) parenthesized Latin lowercase j; used as a symbol only
24A5
            circled Latin lowercase j; used as a symbol only
24D9
            modifier letter small j; superscript; IPA palatalized
02B2
            small dotless j
0237
       1
            turned f, used as Latin small letter dotless j with stroke; IPA voiced palatal plosive; no
025F
       ŧ
            uppercase
1DA1
       đ
            modifier letter small dotless j with stroke; superscript; linguistic use only
            dotless j with stroke and hook; IPA voiced palatal implosive; typographically based on 1, 025F,
0284
       ſ
            not on f, 0283; no uppercase; do not confuse with lowercase f with hook, f, 0192, or lowercase
            abbreviation is, f, A<sub>7</sub>6D
       ĵ
0135
            no uppercase: for that, use J plus combining caron &, 030C
o<sub>1</sub>Fo
0249
            j with crossed-tail; IPA voiced palatal fricative; no uppercase
029D
            modifier letter small j with crossed-tail; superscript; linguistic use only
ıDA8
004A
       J
            Fraktur (black letter) uppercase J; used as a symbol only
1D50D 7
24BF
        (J)
            circled Latin uppercase J; used as a symbol only
0134
       Ŧ
0248
       k
006B
1DoB
            small capital; linguistic use only
       K
            Fraktur (black letter) lowercase k; used as a symbol only
1D528
       ť
24A6
       (k)
            parenthesized Latin lowercase k; used as a symbol only
24DA
        (k)
            circled Latin lowercase k; used as a symbol only
1DDC
       Ö
            combining small letter k
            turned k; no uppercase
029E
       K
            Greenlandic kra; no uppercase
0138
        K
1E31
        k
        k
01E9
0199
        ƙ
            uppercase is K, 0198
            lowercase k with stroke; medievalist use
A741
        ħ
            lowercase k with stroke and diagonal stroke; medievalist use
        ķ
A745
        k
            lowercase k with diagonal stroke; medievalist use
A743
1E33
        ķ
1E35
        ķ
        ķ
0137
```

```
1D84
            lowercase k with palatal hook
2C6A
            lowercase k with descender (for Uighur)
      k
004B
       K
1D50E ℜ
            Fraktur (black letter) uppercase K; used as a symbol only
24C0
       (K)
            circled Latin uppercase K; used as a symbol only
       Ŕ
1E30
       Ř
01E8
       К
0198
            lowercase is k, 0199
       K
            uppercase K with stroke; medievalist use
A740
       K
            uppercase K with stroke and diagonal stroke; medievalist use
A744
A742
       K
            uppercase K with diagonal stroke; medievalist use
1E32
       Ķ
       K
1E34
       Ķ
0136
       K
2C69
            uppercase K with descender (for Uighur)
006C
1D529 [
            Fraktur (black letter) lowercase l; used as a symbol only
24A7
            parenthesized Latin lowercase l; used as a symbol only
24DB
            circled Latin lowercase l; used as a symbol only
1DDD o
            combining small letter l
029F
            small capital l; IPA voiced velar lateral; linguistic use only
       L
1DAB
            modifier letter small capital l; superscript; linguistic use only
1DDE
            combining letter small capital l
       1
            modifier letter small l; linguistic use only
02E1
            lowercase broken l: medievalist use
A747
озВВ
            lowercase Greek lambda with 'Latin' shape: Americanist phonetic notation, voiced alveolar
       λ
            lateral affricate (this OpenType glyph variant is accessed in Stylistic Set 20)
            Greek letter small capital lamda; not for Greek text, linguistic use only
1D27
       Λ
1D2B
            cyrillic letter small capital el; linguistic use only
       Л
       ĺ
013A
       ľ
013E
       ŀ
0140
       1
            lowercase I with high stroke; medievalist use
A749
0142
1DoC
            small capital l with stroke; linguistic use only
       Ł
            uppercase is Ł, 023D
019A
       ł
026B
       ł
            IPA velarized voiced alveolar lateral; uppercase is Ł, 2C62
            IPA voiceless alveolar lateral fricative; no uppercase
026C
       þ
2C61
       ŧ
A772
       L
            lowercase abbreviation lum
1E37
013C
       ļ
1E3B
       1
1E3D
       l
0234
            no uppercase
1D85
            lowercase I with palatal hook
            modifier letter small l with palatal hook; superscript; linguistic use only
1DAA
026D
            lowercase I with retroflex hook; IPA voiced retroflex lateral; no uppercase
```

```
modifier letter small l with retroflex hook; superscript; linguistic use only
1DA9
       Ī
1E39
019B
       λ
            linguistic use, not for Greek text; no uppercase
01C9
       lį
            with initial cap Lj, o1C8; all-uppercase is LJ, o1C7
1EFB
       Ħ
            Middle-Welsh ll; uppercase is IL, 1EFA
02AA
       b
            ls digraph; no uppercase
            lz digraph; no uppercase
02AB
       k
026E
            lezh; IPA voiced alveolar lateral fricative; no uppercase
       լ
004C
       L
A746
       Ł
            uppercase broken L; medievalist use
1D50F £
            Fraktur (black letter) uppercase L; used as a symbol only
10192
       \mathcal{L}
            Roman semuncia sign; compare £, 00A3, pound sign
       £
            Pound sign; compare £, 10192, Roman semuncia sign
ooA3
       (L)
24C1
            circled Latin uppercase L; used as a symbol only
       Ĺ
0139
       Ľ
013D
A748
       Ł
            uppercase L with high stroke; medievalist use
013F
       Ŀ
0141
       Ł
023D
       Ł
            lowercase is l, 019A
            lowercase is ł, 026B
2C62
       Ł
2C60
       Ł
1E36
       L
013B
       Ļ
       L
1E3A
1E3C
       Ļ
       Ļ
1E38
01C8
            with initial cap; all-uppercase is LJ, o1C7; lowercase is lj, o1C9
       Lj
01C7
       LJ
            all-uppercase; with initial cap Lj, o1C8; lowercase is lj, o1C9
1EFA
            Middle-Welsh LL; lowercase is fl, 1EFB
       \mathbb{L}
006D
       m
1D52A m
            Fraktur (black letter) lowercase m; used as a symbol only
24A8
            parenthesized Latin lowercase m; used as a symbol only
       (m)
24DC
       (m)
            circled Latin lowercase m; used as a symbol only
036B
       Ö
            combining small letter m
1DoD
            small capital; linguistic use only
       M
       Ö
1DDF
            combining letter small capital m
            IPA close back unrounded; uppercase is UI, 019C
026F
       uı
            IPA velar approximant; no uppercase
0270
       щ
1DAD
            modifier letter small turned m with long leg; superscript; linguistic use only
1D1F
       Ħ
            small letter sideways turned m
ıE3F
       m
1E41
       ṁ
            small letter m with middle tilde
1D6F
            lowercase abbreviation mum
A773
       m_{\mu}
1E43
       m
            m with hook; IPA voiced labiodental nasal; uppercase is M, 2C6E
0271
       m
1DAC
            modifier letter small m with hook; superscript; linguistic use only
```

```
1D86
            lowercase m with palatal hook
004D
       M
A<sub>7</sub>FD W
            epigraphic inverted M
019C
        Ш
            lowercase is u., 026F
A<sub>7</sub>FF
        W
            epigraphic archaic M
1D510
        \mathfrak{M}
            Fraktur (black letter) uppercase M; used as a symbol only
24C2
        (M)
            circled Latin uppercase M; used as a symbol only
        M
1E3E
        M
1E40
        M
1E42
2C6E
       M
            lowercase is m, 0271
006E
        n
        \mathbf{n}
207F
            superscript lowercase n (modifier); linguistic use only
1DEo
        Ö
            combining small letter n
            small cap; IPA voiced uvular nasal; linguistic use only
0274
        N
1DBo
            modifier letter small capital n; superscript; linguistic use only
1DE1
        Ö
            combining letter small capital n
            small capital reversed n
1DoE
1D52B
       n
            Fraktur (black letter) lowercase n; used as a symbol only
            parenthesized Latin lowercase n; used as a symbol only
24A9
        (n)
24DD
        (n)
            circled Latin lowercase n; used as a symbol only
        ń
0144
        'n
o1F9
        ñ
ooF1
        ň
0148
1E45
        'n
            deprecated character, whose use is strongly discouraged
0149
        'n
            small letter n with middle tilde
1D70
        Ħ
            lowercase abbreviation num
A774
        n,
1E47
        n
1E49
        n
0146
        ņ
1E4B
        ņ
            no uppercase
0235
        n
1D87
            lowercase n with palatal hook
        ŋ
            IPA voiced velar nasal; uppercase is N, 014A
014B
        ŋ
            character variants (for small cap N only):
            (small cap) use Stylistic Set o1
        Ŋ
            (small cap) use Stylistic Set 02
        ŋ
            IPA voiced retroflex nasal; no uppercase
0273
        η
            modifier letter small n with retroflex hook; superscript; linguistic use only
1DAF
        η
0272
       n
            IPA voiced palatal nasal; uppercase is N, 019D
            modifier letter small n with left hook; superscript; linguistic use only
1DAE
       \mathbf{n}
            uppercase is \Pi, 0220
019E
        η
            with initial cap Nj, o1CB; all-uppercase is NJ, o1CA
01CC
        nj
004E
        N
1D511
        \mathfrak{N}
            Fraktur (black letter) uppercase N; used as a symbol only
            circled Latin uppercase N; used as a symbol only
24C3
```

```
Ń
0143
       Ň
01F8
       Ñ
00D1
       Ň
0147
1E44
       Ň
1E46
       Ņ
1E48
       N
       Ŋ
0145
1E4A
       Ņ
       Ŋ
            lowercase is η, 014B
014A
            character variants:
        Ŋ
            use Stylistic Set 01
        ŋ
            use Stylistic Set 02
       N
            lowercase is n, 0272
019D
            lowercase is η, 019E
       η
0220
            with initial cap; all-uppercase is NJ, o1CA; lowercase is nj, o1CC
o<sub>1</sub>CB
       Ni
o<sub>1</sub>CA
       NI
            all-uppercase; with initial cap Nj, o1CB; lowercase is nj, o1CC
2116
        No
            Numero sign
006F
       0
1DoF
            small capital; linguistic use only
       o
1D52C ø
            Fraktur (black letter) lowercase o; used as a symbol only
       (o) parenthesized Latin lowercase o; used as a symbol only
24AA
       (o)
            circled Latin lowercase o; used as a symbol only
24DE
            subscript lowercase o
2092
            combining small letter o
0366
ooBA
            masculine ordinal; do not confuse with with o, oo Bo, degree sign, or o, o2DA, spacing ring
            above
1D11
            small letter sideways o
        0
1D13
            small letter sideways o with stroke
        Ø
            small letter sideways open o
1D12
        C
            open o: typographically a turned c; uppercase is 3, 0186
0254
       Э
            small capital open o; linguistic use only
1D10
            lowercase open o with retroflex hook
1D97
        Ç
            small letter top half o
1D16
        \cap
1D17
            small letter bottom half o
            closed omega; linguistic use only; no uppercase
0277
        \omega
        ó
ooF3
ooF2
       ò
       ô
ooF4
ooF6
       ö
ooF5
       õ
014D
       ō
014F
       ŏ
01D2
       ŏ
        ő
0151
020D
       ő
020F
        ô
022F
        ò
```

```
1ECF
       ô
01A1
            uppercase is O, 01A0
       ď
            lowercase o with loop; medievalist use
A<sub>74</sub>D
       Oo
            IPA front close-mid rounded; do not confuse with Ø, 2205
ooF8
       Ø
01FF
       ģ
            IPA rounded šwa; uppercase is θ, 019F
0275
       θ
            modifier letter small barred o; superscript; linguistic use only
       θ
1DB1
            lowercase o with long stroke overlay; medievalist use
A74B
       θ
            UPA lowercase o with ring inside; no uppercase
2C7A
       0
01EB
       Q
01ED
       Ō
1ECD
       Q
1ED1
       ő
       ô
ıED3
       õ
ıED7
ıED5
       ő
ıED9
       ô
       ő
ıE4D
       ö
1E4F
022D
       õ
       ö
022B
       ó
1E53
1E51
       ò
       ō
0231
1EDB
       σ́
1EDD
       ò
1EE1
       õ
1EDF
       ð
1EE3
       Ò
            IPA front open-mid rounded
0153
       œ
            small cap, linguistic use only; IPA front open rounded
0276
       Œ
            small letter turned œ
1D14
       66
            uppercase is IJ, 01A2
01A3
       Ф
A<sub>74</sub>F
            lowercase oo; medievalist use
       \infty
0223
       8
            lowercase letter ou; uppercase is 8, 0222
1D15
            small capital ou; linguistic use only
       8
004F
       0
            Fraktur (black letter) uppercase O; used as a symbol only
1D512
       0
       (0)
            circled Latin uppercase O; used as a symbol only
24C4
            open o: typographically a turned C; lowercase is 0254
0186
       С
       Ó
00D3
       Ò
00D2
       Ô
ooD4
      Ö
ooD6
       Õ
ooD5
014C
       Ō
       Ŏ
014E
       Ŏ
01D1
```

```
Ő
0150
       Ő
020C
       Ô
020E
       Ò
022E
1ECE
       Ŏ
       Q
oıAo
            lowercase is o, 01A1
       O_0
            uppercase O with loop; medievalist use
A<sub>74</sub>C
ooD8
       Ø
            uppercase O with stroke; O slash; do not confuse with the symbol ∅, 2205, empty set
       Ø
01FE
       θ
019F
            lowercase is 0, 0275
            uppercase O with long stroke overlay; medievalist use
A74A
       θ
            IPA bilabial click; no uppercase; do not confuse with 0, 2609, the sun symbol
       \odot
0298
01EA
       Q
       Ō
01EC
1ECC
       0
       Ő
1EDo
       Ő
1ED2
       Õ
1ED6
       Ő
1ED4
1ED8
       Ô
       Ö
022A
       Ő
1E4C
1E4E
       Ö
       Õ
022C
       Ó
1E52
       Ò
1E50
       Ò
0230
       Ő
1EDA
1EDC
       Ò
1EEo
       Õ
       ď
1EDE
       Q
1EE2
       Œ
0152
01A2
       ID
            lowercase is q, 01A3
            uppercase OO; medievalist use
A74E
       \infty
       8
            uppercase letter ou; lowercase is 8, 0223
0222
0070
       p
            small capital; linguistic use only
1D18
       Р
            Fraktur (black letter) lowercase p; used as a symbol only
1D52D p
       (p) parenthesized Latin lowercase p; used as a symbol only
24AB
24DF
       (p)
            circled Latin lowercase p; used as a symbol only
       P
            sound recording copyright; do not confuse with (P), 24C5, circled Latin uppercase P
2117
1D28
            Greek letter small capital pi; not for Greek text, linguistic use only
            Greek letter small capital psi; not for Greek text, linguistic use only
1D2A
1E55
       ģ
1E57
       ġ
       b
            uppercase is P, 01A4
01A5
ıD7D
       p
            small letter p with stroke; uppercase is P, 2C63
```

```
lowercase p with stroke through descender
A<sub>751</sub>
            small letter p with middle tilde
1D71
        p
            lowercase p with palatal hook
1D88
       p
            lowercase p with flourish
A<sub>753</sub>
       р
            lowercase p with squirrel tail; medievalist use
A755
       φ
0050
       P
A<sub>7</sub>FC
       P
            epigraphic reversed P
            Fraktur (black letter) uppercase P; used as a symbol only
1D513
       \mathfrak{B}
            circled Latin uppercase P; used as a symbol only; compare ®, 2117, sound recording copyright,
24C5
            with which it should not be confused
        Ý
1E54
        Þ
1E56
01A4
       P
            lowercase is β, 01A<sub>5</sub>
       ₽
2C63
            lowercase is p, 1D7D
            uppercase P with stroke through descender
       ₽
A750
        Р
            uppercase P with flourish
A752
A754
       Ψ
            uppercase P with squirrel tail; medievalist use
0071
       q
            Fraktur (black letter) lowercase q; used as a symbol only
1D52E q
24AC
            parenthesized Latin lowercase q; used as a symbol only
       (q)
            circled Latin lowercase q; used as a symbol only
24E0
       (q)
       ď
            q with hook; no uppercase
02A0
024B
       q.
A757
            lowercase q with stroke through descender
        q
            lowercase q with diagonal stroke
A759
       ď
            qp digraph; no uppercase; do not confuse with Greek φ, 03C6, or with Cyrillic ф, 0444
       ф
0239
       Q
0051
            Fraktur (black letter) uppercase Q; used as a symbol only
1D514
       0
24C6
       (Q)
            circled Latin uppercase Q; used as a symbol only
       q
            uppercase letter small q with hook tail
024A
            uppercase Q with stroke through descender
A756
       Q
            uppercase Q with diagonal stroke
A<sub>75</sub>8
       Q_{2}
0072
       r
1D52F t
            Fraktur (black letter) lowercase r; used as a symbol only
24AD
       (r)
            parenthesized Latin lowercase r; used as a symbol only
24E1
       (\mathbf{r})
            circled Latin lowercase r; used as a symbol only
            combining small letter r
036C
       Ō
            combining small letter r below
1DCA
       ្
            small cap r; IPA voiced uvular trill; also yr, whose uppercase is 01A6; Germanic, Old Norse
0280
       R
            combining letter small capital r
1DE2
       r
            modifier letter small r; superscript; linguistic use only
02B3
            turned r; IPA voiced (post)alveolar approximant; no uppercase
0279
            modifier letter small turned r; superscript; IPA rhotacized
02B4
            small capital turned r
1D1A
            small capital inverted r; IPA voiced uvular fricative
0281
02B6
            modifier letter small capital inverted r; superscript; linguistic use only
            small capital reversed r
1D19
       Я
            combining small letter r rotunda
ıDE3
```

```
1D29
            Greek letter small capital rho; not for Greek text, linguistic use only
            r with fishhook; IPA voiced alveolar tap; no uppercase
027E
       ſ
A75B
            lowercase r rotunda
       3
            lowercase rum rotunda
A<sub>75</sub>D
       ŕ
0155
       ř
0159
       ř
0211
       ŕ
0213
       ŕ
1E59
024D
1D72
            small letter r with fishhook and middle tilde
1D73
       £
            lowercase abbreviation rum
A775
       ľ
            small capital abbreviation rum
A776
       R/
1E5B
       ŗ
       r
1E5F
0157
1D89
            lowercase r with palatal hook
            r with long leg; no uppercase
027C
       r
            r with tail; IPA voiced retroflex flap; uppercase is R, 2C64
027D
            reversed r with fishhook; no uppercase
027F
            turned r with long leg; IPA voiced alveolar lateral flap; no uppercase
027A
       J
2C79
       J
            UPA lowercase turned r with tail; no uppercase
            turned r with hook; IPA voiced retroflex approximant; no uppercase
027B
       1.
            modifier letter small turned r with hook; superscript; linguistic use only
02B5
ıE5D
       ŗ
       R
0052
211C
       R
            Fraktur (black letter) uppercase R; used as a symbol only
            circled Latin uppercase R; used as a symbol only
24C7
       (R)
ooAE
            registered sign
01A6
            yr, lowercase – or rather, small cap – is R, 0280; Germanic, Old Norse
       Ŕ
            uppercase R rotunda
A75A
       2,
A<sub>75</sub>C
            uppercase RUM rotunda
       Ŕ
0154
0158
       Ř
       Ř
0210
       Ŕ
0212
       Ŕ
1E58
       R
            R with stroke
024C
1E5A
       R
1E5E
       R
0156
       Ŗ
            r with tail; lowercase is r, 027D
2C64
       Ŗ
       Ŗ
1E5C
0073
       S
A731
            small capital s; medievalist use
       S
            Fraktur (black letter) lowercase s; used as a symbol only
1D530
       (s) parenthesized Latin lowercase s; used as a symbol only
24AE
```

```
24E2
        (s) circled Latin lowercase s; used as a symbol only
1DE4
            combining small letter s
            modifier letter small s; superscript; linguistic use only
02E2
01A8
            Zhuang lowercase letter tone two
017F
        ſ
            long s
        ်
1DE5
            combining small letter long s
        İ
            long s with dot above
1E9B
1E9D
        f
            long s with high stroke
            long s with diagonal stroke
1E9C
        £
        ſt
            lowercase ligature long s t; do not use: this character is only present for legacy purposes
FB<sub>05</sub>
015B
        ś
015D
        ŝ
        š
0161
        Ġ
1E61
            small letter s with middle tilde; no uppercase
1D74
        S
1E63
        Ş
015F
        ş
0219
        Ş
            in Brill fonts: lowercase only; uppercase is 2C7E, introduced with Unicode v. 5.2
023F
        Ş.
0282
            s with hook; IPA voiceless retroflex fricative; no uppercase
            modifier letter small s with hook; superscript; linguistic use only
1DB3
            lowercase s with palatal hook
ıD8A
        \operatorname{st}
            lowercase ligature st; do not use: this character is only present for legacy purposes
FB<sub>0</sub>6
            lowercase esh; IPA voiceless postalveolar fricative; uppercase is \Sigma, 01A9, in the Africa Alphabet;
0283
       ſ
            do not confuse with [, 222B, integral
       ſ
            modifier letter small esh; superscript; linguistic use only
1DB4
            dotless j with stroke and hook; typographically based on j, 025F, not on ſ, 0283; no uppercase
0284
            esh with curl; no uppercase
0286
1D98
            lowercase esh with retroflex hook
            lowercase esh with palatal hook
1D8B
            squat reversed esh; no uppercase
0285
        1.
        9.
            reversed esh loop; no uppercase
01AA
1E65
        š
        š
1E67
        ġ
1E69
ooDF
        ß
            lowercase German scharfes S; uppercase is ß, 1E9E
        S
0053
        S
            Zhuang uppercase letter tone two; compare 2, 10193, Roman sextula sign
01A7
        S
            Roman sextula sign; compare 2, 01A7, Zhuang uppercase letter tone two
10193
        8
            Roman dimidia sextula sign
10194
1D24
        S
            voiced laryngeal spirant
            Fraktur (black letter) uppercase S; used as a symbol only
1D516
        6
        (s)
            circled Latin uppercase S; used as a symbol only
24C8
        Ś
015A
        Ŝ
015C
        Š
0160
        Ś
1E60
        $
            Dollar sign
0024
```

```
1E62
       Ş
       Ş
015E
       Ş
0218
       \Sigma
01A9
            never used for Greek text, only in the Africa Alphabet; lowercase is f, 0283
        Ś
1E64
        Š
1E66
        Ş
1E68
       ß
1E9E
            uppercase letter German scharfes S; lowercase is ß, ooDF
0074
1D1B
            small capital; linguistic use only
       Т
1D531
            Fraktur (black letter) lowercase t; used as a symbol only
24AF
       (t) parenthesized Latin lowercase t; used as a symbol only
            circled Latin lowercase t; used as a symbol only
24E3
       (t)
036D
       ្
            combining small letter t
            turned t; no uppercase
0287
       1
03B8
        θ
            lowercase Greek theta, with 'Latin' shape; IPA voiceless dental fricative (this OpenType glyph
            variant is accessed in Stylistic Set 20)
       θ
1DBF
            modifier letter small theta; superscript; linguistic use only
            no uppercase
        ï
1E97
        ť
            uppercase is Ť, 0164
0165
1E6B
       ŧ
01AD
       f
            uppercase is T, 01AC
0167
            small letter t with middle tilde
1D75
        ŧ
2C66
        ŧ
            lowercase abbreviation tum
A777
0163
1E6D
       ţ
1E6F
       ţ
021B
1E71
        ţ
            no uppercase
0236
        t
01AB
            no uppercase
       ţ
            modifier letter small t with palatal hook; superscript; linguistic use only
1DB5
       ţ
0288
            IPA voiceless retroflex plosive; uppercase is Ţ, 01AE
        t.
02A8
            tc digraph with curl; no uppercase
       tc
1D7A
       th
            small letter th with strikethrough
            ts digraph; no uppercase
02A6
       ts
            tesh digraph; IPA voiceless postalveolar affricate; no uppercase
        tſ
02A7
A729
            lowercase tz; Mayanist use
       tz
        Т
0054
1D517
        \mathbb{T}
            Fraktur (black letter) uppercase T; used as a symbol only
        (T)
            circled Latin uppercase T; used as a symbol only
24C9
       Ť
0164
            lowercase is t, 0165
        Ť
1E6A
01AC
       Τ
            lowercase is f, 01AD
        Ŧ
0166
        T
023E
```

```
0162
        Ţ
        Ţ
1E6C
        \underline{\mathbf{T}}
1E6E
        Ţ
021A
1E70
        Ţ
01AE
        Ţ
            lowercase is t, 0288
            uppercase Tz; Mayanist use
A728
        Ŧ
            trade mark sign
2122
0075
        u
1D1C
            small capital; linguistic use only
        U
1D532
        u
            Fraktur (black letter) lowercase u; used as a symbol only
24B0
        (u)
            parenthesized Latin lowercase u; used as a symbol only
        (u)
            circled Latin lowercase u; used as a symbol only
24E4
1DB8
            modifier letter small capital u; superscript; linguistic use only
        Ö
            combining small letter u
0367
            small letter sideways u
1D1D
028A
        Ω
            Latin upsilon; IPA lax close back rounded; uppercase is 0, 01B1
            modifier letter small upsilon; superscript; linguistic use only
1DB7
ıD7F
            Latin small letter upsilon with stroke
ooFA
        ú
        ù
ooF9
ooFB
        û
ooFC
        ü
1D1E
        ::
            small letter sideways diaeresized u
        ũ
0169
016B
        ū
016D
        ŭ
        ŭ
01D4
016F
        ů
        ű
0171
        ù
0215
        û
0217
        ů
1EE7
01B0
        ư
0289
            IPA close central rounded
        ŧŧ
1D7E
            small capital letter u with stroke
        U
1DB6
        u
            modifier letter small u bar; superscript; linguistic use only
0173
        ų
1E73
        u
1E75
        u
1E77
        ų
1EE5
        ų
            lowercase u with retroflex hook
1D99
        ц
        ü
01D6
01D8
        ů
01DA
o<sub>1</sub>DC
        ù
        ű
1E79
```

```
1E7B
       ü
1EE9
       ứ
1EEB
       ù
1EEF
       ũ
1EED
       ử
1EF1
       ų
1D6B
            Latin small letter ue
       æ
0055
       U
       \mathfrak{U}
            Fraktur (black letter) uppercase U; used as a symbol only
1D518
            circled Latin uppercase U; used as a symbol only
24CA
            Latin upsilon; lowercase is 0, 028A
01B1
       Ω
ooDA
       Ú
       Ù
ooD9
ooDB
       Û
ooDC
       Ü
0168
       Ũ
       Ū
016A
       Ŭ
016C
       Ŭ
01D3
       Ů
016E
       Ű
0170
       Ù
0214
       Û
0216
       Ů
1EE6
       Ű
01AF
       IJ
0244
0172
       Ų
1E72
       Ü
1E74
       Ų
1E76
       Ų
       Ų
1EE4
       Ü
01D5
       Ű
01D7
       Ŭ
01D9
       Ü
01DB
       Ű
1E78
       Ü
1E7A
       Ú
1EE8
1EEA
       Ù
       Ũ
1EEE
       Ů
1EEC
1EF0
       Ų
0076
       v
ıD5B
            modifier letter lowercase v; superscript; linguistic use only
1D20
            small capital; linguistic use only
            Fraktur (black letter) lowercase v; used as a symbol only
1D533
            parenthesized Latin lowercase v; used as a symbol only
24B1
           circled Latin lowercase v; used as a symbol only
24E5
```

```
036E
            combining small letter v
028C
            turned v, not a Greek lambda; IPA open-mid back unrounded; uppercase is \Lambda, 0245
        Λ
            modifier letter small turned v; superscript; linguistic use only
1DBA
028B
            variant v, used in linguistics and in some African languages; IPA voiced labiodental
            approximant; uppercase is U, 01B2
            modifier letter small v with hook; superscript; linguistic use only
1DB9
        υ
            Middle-Welsh lowercase v
1EFD
        6
            lowercase v with right hook; no uppercase
2C71
        v
1E7D
        v
2C74
            lowercase v with curl; no uppercase
        V
A<sub>75</sub>F
            lowercase v with diagonal stroke; medievalist use
        V
1E7F
        Ÿ
1D8C
            lowercase v with palatal hook
        V
            lowercase vy; medievalist use
A<sub>7</sub>6<sub>1</sub>
        W
0056
        V
1D519
        \mathfrak{V}
            Fraktur (black letter) uppercase V; used as a symbol only
24CB
        (v)
            circled Latin uppercase V; used as a symbol only
            turned v, not a Greek lambda; lowercase is A, 028C
0245
        Λ
        (J
            variant v, used in linguistics and in some African languages; lowercase is v, 028B
01B2
1EFC
        6
            Middle-Welsh uppercase V
        Ñ
1E7C
        V
            uppercase V with diagonal stroke; medievalist use
A75E
10197
        \forall
            Roman quinarius sign
1E7E
        V
A<sub>7</sub>60
        W
            uppercase VY; medievalist use
0077
        W
1D21
            small capital; linguistic use only
        w
            Fraktur (black letter) lowercase w; used as a symbol only
1D534
        \mathfrak{w}
24B2
            parenthesized Latin lowercase w; used as a symbol only
        (w)
        (w)
            circled Latin lowercase w; used as a symbol only
24E6
            modifier letter small w; superscript; linguistic use only
02B7
            turned w; IPA voiceless labial-velar fricative; no uppercase
028D
        Μ
        ẃ
1E83
        ŵ
1E81
        ŵ
0175
        ŵ
1E85
        ŵ
1E98
            no uppercase
1E87
        ŵ
            lowercase w with hook
2C73
        W
1E89
        W
02AC
        W
            bilabial percussive; no uppercase
0057
        W
1D51A W
            Fraktur (black letter) uppercase W; used as a symbol only
        (\overline{W})
            circled Latin uppercase W; used as a symbol only
24CC
        Ŵ
1E82
        Ŵ
1E80
        Ŵ
0174
        Ŵ
1E84
```

```
1E86
       Ŵ
            uppercase W with hook
2C72
       W
1E88
       W
0078
       \mathbf{X}
1D535 x
            Fraktur (black letter) lowercase x; used as a symbol only
       (x) parenthesized Latin lowercase x; used as a symbol only
24B3
            circled Latin lowercase x; used as a symbol only
24E7
            modifier letter small x; linguistic use only; do not confuse with *, modifier letter cross accent,
02E3
            02DF
            subscript lowercase x
2093
036F
        Ŏ
            combining small letter x
03C7
            lowercase Greek khi with 'Latin' shape; IPA voiceless uvular fricative (this OpenType glyph
       χ
            variant is accessed in Stylistic Set 20)
1E8D
       ÿ
1E8B
       x
1D8D
            lowercase x with palatal hook; no uppercase
       Ŋ
0058
       X
1D51B
       \mathfrak{X}
            Fraktur (black letter) uppercase X; used as a symbol only
            circled Latin uppercase X; used as a symbol only
24CD
       Ÿ
1E8C
       Ż
1E8A
       X
10196
            Roman denarius sign
0079
       y
028F
       Y
            small capital y; linguistic use only: IPA voiced palatal lateral
            Fraktur (black letter) lowercase y; used as a symbol only
1D536
       (y) parenthesized Latin lowercase y; used as a symbol only
24B4
            circled Latin lowercase y; used as a symbol only
24E8
       (y)
02B8
            modifier letter small y; superscript; linguistic use only
028E
       λ
            turned y; IPA voiced palatal lateral; no uppercase; compare 6, 2041, caret insertion point
       ý
ooFD
       ỳ
1EF3
        ŷ
0177
ooFF
       ÿ
       ŷ
1EF9
       \bar{\mathbf{y}}
0233
       ŷ
            no uppercase
1E99
1E8F
       ġ
1EF7
       ŷ
01B4
       У
024F
       ¥
1EF5
       y.
1EFF
       у
            y with loop
            Dutch letter ij; uppercase is IJ, 0132
        ij
0133
            Dutch letter ij with two acute accents can be made by keying ij followed by one combining
        íj
            acute accent, 6, 0301
       Y
0059
            Fraktur (black letter) uppercase Y; used as a symbol only
1D51C
       IJ
24CE
            circled Latin uppercase Y; used as a symbol only
```

```
Ý
ooDD
        Ŷ
1EF2
        Ŷ
0176
        Ϋ
0178
        Ŷ
1EF8
        \bar{Y}
0232
        Ÿ
1E8E
        Ŷ
1EF6
        Y
            Y with hook
01B3
024E
        Y
ooA5
        ¥
            Yen, Yuan sign
1EF4
        Ÿ
1EFE
        У
            Y with loop
            Dutch letter IJ; lowercase is ij, 0133
        IJ
0132
        ÍÍ
            Dutch letter ij with two acute accents can be made by keying IJ followed by one combining
             acute accent, 6, 0301
007A
        \mathbf{z}
1D22
             small capital; linguistic use only
             Fraktur (black letter) lowercase z; used as a symbol only
1D537 3
24B5
        (z)
            parenthesized Latin lowercase z; used as a symbol only
            circled Latin lowercase z; used as a symbol only
24E9
1DBB
             modifier letter small z; superscript; linguistic use only
1DE6
        Ö
             combining small letter z
            lowercase Visigothic z
        3
A763
017A
        ź
        \hat{\mathbf{z}}
1E91
017E
        ž
        ż
017C
01B6
        Z
             small letter z with middle tilde
1D76
1E93
        Ż
1E95
        \mathbf{Z}
0225
        Z
            in Brill fonts: lowercase only; uppercase is 2C7F, introduced with Unicode v. 5.2
0240
        ζ.
             z with curl; IPA voiced alveolopalatal fricative; no uppercase
0291
1DBD
             modifier letter small z with curl; superscript; linguistic use only
            z with retroflex hook; IPA voiced retroflex fricative; no uppercase
0290
        Z.
            modifier letter small z with retroflex hook; superscript; linguistic use only
1DBC
        z,
1D8E
            lowercase z with palatal hook
2C6C
            lowercase z with descender (for Uighur)
        Z
005A
        Z
2128
        3
             Fraktur (black letter) uppercase Z; used as a symbol only
        (\mathbf{Z})
            circled Latin uppercase Z; used as a symbol only
24CF
        3
             uppercase Visigothic Z
A<sub>7</sub>6<sub>2</sub>
        Ź
0179
        Ź
1E90
        Ž
017D
        Ż
017B
```

```
01B5
        Z
        Ż
1E92
        Z
1E94
0224
        Z
2C6B
        Z
            uppercase Z with descender (for Uighur)
ooFE
            lowercase thorn
        þ
            lowercase thorn with stroke
A765
            lowercase thorn with stroke through descender
A767
        þ
ooDE
       Þ
            uppercase thorn
        Þ
            uppercase thorn with stroke
A764
A<sub>7</sub>66
        ₽
            uppercase thorn with stroke through descender
021D
            lowercase yogh; do not confuse with lowercase abbreviation et, 3, A76B
        3
            uppercase yogh; do not confuse with uppercase abbreviation ET, 3, A76A
021C
01BF
            lowercase wynn; uppercase is P, 01F7
            uppercase wynn; lowercase is p, 01BF
01F7
        p
            lowercase vend (Old Norse)
A769
        Y
A<sub>7</sub>68
       V
            uppercase vend (Old Norse)
            lowercase ezh; IPA voiced postalveolar fricative; uppercase is 3, 01B7
0292
        3
1D23
            small capital ezh; linguistic use only
        3
1DBE
        3
            modifier letter small ezh; superscript; linguistic use only
        3
            uppercase ezh; lowercase is 3, 0292
01B7
            lowercase ezh reversed; uppercase is \Sigma, 01B8
01B9
        3
        3
            uppercase ezh reversed; lowercase is Σ, 01B9
01B8
            lowercase ezh with caron; uppercase is Š, 01EE
01EF
            uppercase ezh with caron; lowercase is ž, 01EF
01EE
            ezh with curl; no uppercase
0293
01BA
            ezh with tail; no uppercase
            lowercase ezh with retroflex hook
1D9A
A76B
            lowercase abbreviation et; also used in the -q3 (-que) abbreviation; do not confuse with
            lowercase yogh, 3, 021D, or with digit 3
            uppercase abbreviation ET; do not confuse with uppercase yogh, 3, 021C, or with digit 3
A76A
       3
            lowercase abbreviation is; do not confuse with lowercase f with hook, f, 0192, or with lowercase
       ſ
A<sub>7</sub>6D
            dotless j with stroke and hook, f, 0284
A<sub>7</sub>6C
        f
            uppercase abbreviation IS
A778
        $
            lowercase abbreviation um
        ?
            glottal stop; IPA glottal plosive; a caseless letter; casing variants: 2, 0242, and 2, 0241
0294
            lowercase glottal stop; uppercase is ?, 0241; caseless glottal stop is ?, 0294
0242
            uppercase glottal stop; lowercase is 2, 0242; caseless glottal stop is 2, 0294
        ?
0241
            superscript, typographical alternate for ', o2BE
02C0
        ς
            reversed glottal stop; IPA voiced pharyngeal fricative; no uppercase
0295
            superscript version of 0295, the reversed glottal stop; IPA pharyngealized; compare <sup>9</sup>, 02C1
02E4
            superscript, typographical alternate for ', o2BF; compare ', o2E4: superscript reversed glottal
02C1
            inverted glottal stop; lateral click; see also II, o1C1; no uppercase
0296
        ?
            glottal stop with stroke; IPA voiced epiglottal plosive; no uppercase
02A1
            reversed glottal stop with stroke; IPA voiced epiglottal fricative; no uppercase
```

archaic phonetic for [ts] affricate; no uppercase

02A2

O1BE

Combining characters, spacing modifier letters, and similarly-shaped characters and marks

- o357 ocombining right half ring above
- o2BE ' modifier letter right half ring; transliteration of Arabic hamza, Hebrew 'aleph
- A723 3 Latin small letter egyptological alef
- A722 3 Latin uppercase letter egyptological alef
- o2D2 modifier letter centred right half ring; more rounded articulation
- 0339 combining right half ring below; IPA more rounded
- 0351 6 combining left half ring above
- o2BF ' modifier letter left half ring; transliteration of Arabic 'ayn, Hebrew 'ayin
- A₇₂₅ · Latin small letter egyptological ain
- A724 C Latin uppercase letter egyptological ain
- 1D25 . Latin letter ain
- o2D3 c modifier letter centered left half ring; less rounded articulation
- 031C o combining left half ring below; IPA less rounded
- 0312 6 combining turned comma above
- o2BB ' modifier letter turned comma; Hawai'ian 'okina; do not confuse with ', 2018, left single quotation mark
- 0313 ό combining comma above; Greek smooth breathing (ψιλή or ψιλὸν πνεῦμα)
- o486 decombining cyrillic psili pneumata; used to compose egyptological yod: i and I plus degives
- o2BC ' modifier letter apostrophe (various uses, but never that of apostrophe, which is 2019; 1PA ejective); do not confuse with ', 1FBF, spacing Greek smooth breathing (ψιλή), or with ', 1FBD, spacing Greek κορωνίς
- 0315 o' combining comma above right
- 0314 ὁ combining reversed comma above; Greek rough breathing (δασεῖα or δασύ πνεῦμα)
- o2BD 'modifier letter reversed comma (weak aspiration); do not confuse with ', 201B, single high-reversed-9 quotation mark, or with ', 1FFE, spacing Greek rough breathing (δασεῖα)
- 0326 combining comma below
- o2C2 < modifier letter left arrowhead; this is a spacing character; fronted articulation; do not confuse with a UPA modifier letter low left arrowhead, o2F1
- 1DFE & combining left arrowhead above
- o2F1 < UPA modifier letter low left arrowhead; do not confuse with <, modifier letter left arrowhead, o2C2
- o354 combining left arrowhead below
- o2C3 modifier letter right arrowhead; this is a spacing character; backed articulation; do not confuse with , UPA modifier letter low right arrowhead, o2F2
- 0350 combining right arrowhead above
- 0356 combining right arrowhead and up arrowhead below
- 1DFF combining right arrowhead and down arrowhead below
- o2F2 \rightarrow UPA modifier letter low right arrowhead; do not confuse with \rightarrow , modifier letter right arrowhead, o2C3
- 0302 ô combining circumflex accent
- 1DCD of combining double circumflex above; typed between the two letters to which it belongs
- oo5E ^ circumflex accent; this is a spacing character; combining circumflex accent is ô, o302; do not confuse with ^, modifier letter up arrowhead, o2C4, or ^, modifier letter circumflex accent, o2C6, or _, upa modifier letter low up arrowhead, o2Fo

- o2C6 ^ modifier letter circumflex accent; this is a spacing character; various linguistic uses; combining circumflex accent is ô, 0302; do not confuse with ^, circumflex, 005E, or ^, modifier letter up arrowhead, 02C4, or _, UPA modifier letter low up arrowhead, 02F0
- 032D combining circumflex accent below
- o2C4 ^ modifier letter up arrowhead; this is a spacing character; raised articulation; do not confuse with ^, 005E, circumflex, or ^, modifier letter circumflex accent, 02C6, or ,, UPA modifier letter low up arrowhead, 02Fo
- o2Fo , UPA modifier letter low up arrowhead; do not confuse with ^, oo5E, circumflex, or ^, modifier letter up arrowhead, o2C4, or ^, modifier letter circumflex accent, o2C6
- 030C č combining caron = háček; do not confuse with č, combining breve, 0306
- o2C7 caron = háček; this is a spacing character; combining caron/háček is ŏ, o3oC; do not confuse with ¬, modifier letter down arrowhead, o2C5, or ¬, IPA modifier letter voicing, o2EC, or ¬, UPA modifier letter low down arrowhead, o2EF
- o2C5 $^{\lor}$ modifier letter down arrowhead; this is a spacing character; lowered articulation; do not confuse with $^{\lor}$, caron = háček, o2C7, or $^{\lor}$, modifier letter down arrowhead, o2C5, or $_{\lor}$, IPA modifier letter voicing, o2EC, or $_{\lor}$, UPA modifier letter low down arrowhead, o2EF
- 032C © combining caron below; IPA voiced
- o2EC part modifier letter voicing; do not confuse with ', caron = háček, o2C7, or ', modifier letter down arrowhead, o2C5, or v, upa modifier letter low down arrowhead, o2EF
- o2EF v UPA modifier letter low down arrowhead; do not confuse with v, caron = háček, o2C7, or v, modifier letter down arrowhead, o2C5, or v, IPA modifier letter voicing, o2EC
- 0301 ΄ combining acute accent; may also be used as Greek ὀξεῖα and modern Greek τόνος; ipa high tone
- o341 ó Vietnamese combining acute tone mark; its use is discouraged: use ó, o301, instead
- 00B4 ´ acute accent; this is a spacing character; compare ´, 02CA, modifier letter acute accent; combining acute accent is ΄, 0301; do not confuse with ΄, 0374, Greek numeral sign, δεξιὰ κεραία, or with ΄, 2032, prime
- 02CA ′ modifier letter acute accent; this is a spacing character; compare ′, 00B4, acute accent; combining acute accent is ΄, 0301; do not confuse with ′, 0374, Greek numeral sign, δεξιὰ κεραία, or with ′, 2032, prime
- O374 ' Greek numeral sign, δεξιὰ κεραία; in the Milesian numeral system, put to the right of letters representing numbers; do not confuse with ', ooB4, spacing acute accent, or with ', o2CA, modifier letter acute accent, or with ', 2032, prime
- 0317 combining acute accent below
- o2CF , modifier letter low acute accent; this is a spacing character; combining acute accent below is φ, o317; do not confuse with ,, o375, Greek lower numeral sign, ἀριστερὰ κεραία
- 0375 , Greek lower numeral sign, ἀριστερὰ κεραία; in the Milesian numeral system, put to the left of letters representing thousands
- 0300 è combining grave accent; may also be used as Greek βαρεῖα; IPA low tone
- oo60 grave accent; this is a spacing character; combining grave accent is `0,0300; do not confuse with `0,2035, reversed prime
- o2CB ` modifier letter grave accent; this is a spacing character; compare `, 0060, grave accent; combining grave accent is `o, 0300; do not confuse with `, 2035, reversed prime
- 02F4 UPA modifier letter middle grave accent; this is a spacing character
- 0316 combining grave accent below

- o2CE $\,$ modifier letter low grave accent; this is a spacing character; combining grave accent below is \circ , o316
- 0308 ö combining diaeresis; IPA centralized
- ooA8 "diaeresis; this is a spacing character; combining diaeresis is ö, o3o8
- 0324 combining diaeresis below; IPA breathy voiced
- 0303 ~ combining tilde; IPA nasalized
- 0360 ~ combining double tilde; typed between the two letters to which it belongs
- 1DD1 õ combining 'ur' above; medievalist use
- 034A ő combining not tilde above
- 034B & combining homothetic above
- 034C $\tilde{\circ}$ combining almost equal to above
- oo7E \sim tilde; this is a spacing character; compare $\tilde{}$, o2DC, small tilde, and \sim , swung dash, 2053; combining tilde is $\tilde{}$, o303
- o2DC small tilde; this is a spacing character; compare ~, tilde, 007E, and ~, swung dash, 2053; combining tilde is 5, 0303
- 033E & combining vertical tilde
- 035B ံ combining zigzag above; compare ့ combining zigzag below, 1DCF
- 2053 \sim swung dash; this is a spacing character; compare \sim , tilde, 007E, and $\tilde{}$, 02DC, small tilde; combining tilde is $\tilde{}$, 0303
- 0330 g combining tilde below; IPA creaky voiced
- 02F7 UPA modifier letter low tilde; this is a spacing character; combining tilde below is \circ , 0330
- 1DDo o combining 'is' below; medievalist use
- 1DCF o combining zigzag below; compare o combining zigzag above, 035B
- 0304 ō combining macron; IPA mid tone
- o3o5 combining overline; connects on left and right
- 203E overline, spacing; connects on left and right
- 033F ā combining double overline
- ooAF macron; this is a spacing character; combining macron is 0, 0304
- o2C9 modifier letter macron; this is a spacing character; combining macron is 0,0304
- o335 ⊕ combining short stroke overlay
- o336 ⊕ combining long stroke overlay
- 0337 @ combining short solidus overlay
- 0338 @ combining long solidus overlay
- 0331 © combining macron below
- o2CD _ modifier letter low macron; this is a spacing character; compare _, 005F, low line; combining macron below is 0.031
- 0332 combining low line; connects on left and right
- oo5F _ low line = spacing underscore; compare _, o2CD, modifier letter low macron; combining low line is o, o332
- $\circ_{35}F$ \circ combining double macron below; typed between the two letters to which it belongs
- 0333 o combining double low line
- 0306 $\bar{\delta}$ combining breve; IPA extra-short; do not confuse with δ , combining caron = háček, 030C
- o35D ~ combining double breve; typed between the two letters to which it belongs

- o361 © combining double inverted breve = ligature tie; IPA tie bar above; typed between the two letters to which it belongs
- 2040 character tie, spacing; used between two characters to connect them
- o2D8 breve; metrical short; this is a spacing character; combining breve is 5, 0306
- 032E © combining breve below
- o35C combining double breve below; IPA tie bar below; typed between the two letters to which it belongs
- 203F undertie, spacing; used between two characters to connect them
- 032F combining inverted breve below; IPA non-syllabic
- 2054 inverted undertie, spacing
- 030B ő combining double acute accent; IPA extra high tone
- o2DD " double acute accent; this is a spacing character; combining double acute accent is ", o3oB
- 02F6 " UPA modifier letter middle double acute accent; this is a spacing character
- 030F " combining double grave accent; IPA extra low tone
- 02F5 W UPA modifier letter middle double grave accent; this is a spacing character
- o3oA ° combining ring above; IPA voiceless, used when the base character has a descender (compare 0, 0325, which is used in all other cases)
- o2DA ° ring above; this is a spacing character; combining ring above is °, o3oA; do not confuse with °, ooBo, degree sign, or °, ooBA, masculine ordinal; compare °, UPA modifier letter low ring, o2F3
- ooBo ° degree sign; do not confuse with °, ooBA, masculine ordinal, or with °, o2DA, spacing ring above
- 25CB o white circle
- odotted circle; used to indicate combining characters, with the dots representing the base character to which the combining character will be added: 25CC plus 0301 is rendered as 6
- 25EF o large circle
- 2609 sun symbol; do not confuse with O, 0298, bilabial click
- 0298 O IPA bilabial click; no uppercase; do not confuse with 0, 2609, the sun symbol
- empty set; null morpheme; phonological zero; do not confuse with the letter \emptyset , ooD8, O slash
- o325 combining ring below; IPA voiceless (compare °, o30A, which is used when the base character has a descender)
- 02F3 UPA modifier letter low ring; this is a spacing character; compare °, ring above, 02DA
- o35A combining double ring below; used in Kharosthi transliteration
- 0311 ô combining inverted breve
- 0352 å combining fermata (musical notation)
- o358 of combining dot above right; used in Latin transliterations of Southern Min Chinese
- o2D9 dot above; this is a spacing character; combining dot above is 0, 0307
- 0323 combining dot below
- 0359 combining asterisk below
- 0309 å combining hook above; Vietnamese tone mark (dấu hỏi); kerns left or right of circumflex over vowels
- озіВ с combining horn; Vietnamese dấu móc
- o3oD & combining vertical line above
- o2C8 modifier letter vertical line; this is a spacing character; IPA (primary) stress mark [compare ', o2B9]; downstep; precedes letter or syllable modified; combining vertical line above is \Diamond , o3oD
- 0329 combining vertical line below; IPA syllabic
- o2CC $\,$ modifier letter low vertical line; this is a spacing character; IPA secondary stress; combining vertical line below is \circ , o329

- o348 combining double vertical line below
- o2DE \sim modifier letter rhotic hook; this is a spacing character; IPA rhotacized; see also \approx , o25A, and \approx , o25D
- 0328 ç combining ogonek
- o2DB ogonek; this is a spacing character; combining ogonek is 9, 0328
- 1DCE ở combining ogonek above
- 0327 ç combining cedilla
- ooB8 cedilla; this is a spacing character; combining cedilla is 0, 0327
- 0322 combining retroflex hook below
- 0321 combining palatalized hook below
- 031D o combining up tack below; IPA raised
- o2D4 \pm modifier letter up tack; this is a spacing character; vowel raising or closing; combining up tack below is \circ , o31D
- 031E o combining down tack below; IPA lowered
- o2D5 modifier letter down tack; this is a spacing character; vowel lowering or opening; combining down tack below is \circ , 031E
- 0318 g combining left tack below; IPA advanced tongue root
- 0319 combining right tack below; IPA retracted tongue root
- 02EB + Bopomofo modifier letter Yang departing tone mark
- 031F combining plus sign below; IPA advanced
- o2D6 + modifier letter plus sign; this is a spacing character; advanced or fronted articulation; combining plus sign below is \$\cip\$, 031F
- 0320 combining minus sign below; IPA retracted
- o2D7 modifier letter minus sign; this is a spacing character; linguistic use: retracted or backed articulation; minus sign is -, 2212
- 033D & combining x above; IPA mid-centralized
- o2DF $^{\times}$ modifier letter cross accent; this is a spacing character; do not confuse with x , modifier letter small x , o2E3
- 0353 © combining x below
- 0346 5 combining bridge above
- 032A combining bridge below; IPA dental
- 02AD A bidental percussive; no uppercase
- 033A combining inverted bridge below; IPA apical
- 02FD UPA modifier letter shelf; this is a spacing character
- 02FE UPA modifier letter open shelf; this is a spacing character
- 1DD3 ocombining small letter flattened open a above
- 032B combining inverted double arch below
- 033C combining seagull below; IPA linguolabial
- 1DC4 6 combining macron-acute contour tone mark
- 1DC5 ` combining grave-macron contour tone mark
- 1DC6 à combining macron-grave contour tone mark
- 1DC7 6 combining acute-macron contour tone mark
- 1DC8 ° combining grave-acute-grave contour tone mark
- 1DC9 ő combining acute-grave-acute contour tone mark
- 1DCB さ combining breve-macron contour tone mark
- 1DCC ♂ combining macron-breve contour tone mark

- o2E5 | modifier letter extra-high tone bar; this is a spacing character; do not confuse with ', upa modifier letter end high tone, o2FA, or 'l, right ceiling mathematical delimiter, 2309, or 'l, top right quine corner, 231D, or 'l, top right half bracket, 2E23
- O2FA UPA modifier letter end high tone; do not confuse with \(\cap \), modifier letter extra-high tone bar, O2E5, or \(\cap \), right ceiling mathematical delimiter, 2309, or \(\cap \), top right quine corner, 231D, or \(\cap \), top right half bracket, 2E23
- right ceiling mathematical delimiter; do not confuse with 1, modifier letter extra-high tone bar, o2E5, or 1, UPA modifier letter end high tone, o2FA, or 1, top right quine corner, 231D, or 1, top right half bracket, 2E23
- top right quine corner; do not confuse with \(\), modifier letter extra-high tone bar, 02E5, or \(\), UPA modifier letter end high tone, 02FA, or \(\), right ceiling mathematical delimiter, 2309, or \(\), top right half bracket, 2E23
- top right half bracket; do not confuse with \(\), modifier letter extra-high tone bar, 02E5, or \(\), upa modifier letter end high tone, 02FA, or \(\), right ceiling mathematical delimiter, 2309, or \(\), top right quine corner, 231D
- 031A 3 combining left angle above; IPA not audibly released
- 0349 combining left angle below
- o2E6 1 modifier letter high tone bar; this is a spacing character
- o₂E₇ + modifier letter mid tone bar; this is a spacing character
- o2E8 4 modifier letter low tone bar; this is a spacing character
- o2E9 d modifier letter extra-low tone bar; this is a spacing character; do not confuse with d, right floor mathematical delimiter, 230B, or d, bottom right quine corner, 231F, or d, bottom right half bracket, 2E25
- right floor mathematical delimiter; do not confuse with \bot , modifier letter extra-low tone bar, o2E9, or \lrcorner , UPA modifier letter end low tone, o2FC, or \lrcorner , bottom right quine corner, 231F, or \lrcorner , bottom right half bracket, 2E25
- bottom right quine corner; do not confuse with \rfloor , modifier letter extra-low tone bar, 02E9, or \rfloor , UPA modifier letter end low tone, 02FC, or \rfloor , right floor mathematical delimiter, 230B, or \rfloor , bottom right half bracket, 2E25
- bottom right half bracket; do not confuse with <code>l</code>, modifier letter extra-low tone bar, <code>02E9</code>, or <code>l</code>, <code>UPA</code> modifier letter end low tone, <code>02FC</code>, or <code>l</code>, right floor mathematical delimiter, <code>230B</code>, or <code>l</code>, bottom right quine corner, <code>231F</code>
- left ceiling mathematical delimiter; do not confuse with <code>\Gamma</code>, <code>UPA</code> modifier letter begin high tone, <code>o2F9</code>, or <code>\Gamma</code>, top left quine corner, <code>231C</code>, or <code>\Gamma</code>, New Testament right angle substitution marker, <code>2Eoo</code>, or <code>\Gamma</code>, top left half bracket, <code>2E22</code>
- o2F9 「 UPA modifier letter begin high tone; do not confuse with \lceil , left ceiling mathematical delimiter, 2308, or \lceil , top left quine corner, 231C, or \lceil , New Testament right angle substitution marker, 2E00, or \lceil , top left half bracket, 2E22
- top left quine corner; do not confuse with <code>\Gamma</code>, <code>UPA</code> modifier letter begin high tone, <code>o2F9</code>, or <code>\Gamma</code>, left ceiling mathematical delimiter, <code>2308</code>, or <code>\Gamma</code>, New Testament right angle substitution marker, <code>2E00</code>, or <code>\Gamma</code>, top left half bracket, <code>2E22</code>
- right angle substitution marker; used in some editions of the New Testament; do not confuse with ', upa modifier letter begin high tone, 02F9, or ', left ceiling mathematical delimiter, 2308, or ', top left quine corner, 231C, or ', top left half bracket, 2E22
- 2Eo1 F right angle dotted substitution marker; used in some editions of the Greek New Testament

- top left half bracket; do not confuse with <code>r</code>, upa modifier letter begin high tone, o2F9, or <code>r</code>, left ceiling mathematical delimiter, 2308, or <code>r</code>, top left quine corner, 231C, or <code>r</code>, New Testament right angle substitution marker, 2E00
- DozeA L Bopomofo modifier letter Yin departing tone mark; do not confuse with L, upa modifier letter begin low tone, 02FB, or L, left floor mathematical delimiter, 230A, or L, bottom left quine corner, 231E, or L, bottom left half bracket, 2E24
- 02FB $_{\perp}$ UPA modifier letter begin low tone; do not confuse with $_{\perp}$, Bopomofo modifier letter Yin departing tone mark, 02EA, or $_{\perp}$, left floor mathematical delimiter, 230A, or $_{\perp}$, bottom left quine corner, 231E, or $_{\perp}$, bottom left half bracket, 2E24
- 230A L left floor mathematical delimiter; do not confuse with \bot , Bopomofo modifier letter Yin departing tone mark, 02EA, or \bot , UPA modifier letter begin low tone, 02FB, or \bot , bottom left quine corner, 231E, or \bot , bottom left half bracket, 2E24
- bottom left quine corner; do not confuse with L, Bopomofo modifier letter Yin departing tone mark, 02EA, or L, UPA modifier letter begin low tone, 02FB, or L, left floor mathematical delimiter, 230A, or L, bottom left half bracket, 2E24
- bottom left half bracket; do not confuse with L, Bopomofo modifier letter Yin departing tone mark, 02EA, or L, upa modifier letter begin low tone, 02FB, or L, left floor mathematical delimiter, 230A, or L, bottom left quine corner, 231E
- 2Eo2 left substitution bracket; used in some editions of the Greek New Testament
- 2Eo3 right substitution bracket; used in some editions of the Greek New Testament
- 2E04 f left dotted substitution bracket; used in some editions of the Greek New Testament
- 2Eo5 right dotted substitution bracket; used in some editions of the Greek New Testament
- 2Eo8 ⁵ dotted transposition marker; used in some editions of the Greek New Testament
- 2Eog ⁵ left transposition bracket; used in some editions of the Greek New Testament
- 2EoA right transposition bracket; used in some editions of the Greek New Testament
- 2Eo6 ^T raised interpolation marker; used in some editions of the Greek New Testament
- 2Eo7 [†] raised dotted interpolation marker; used in some editions of the Greek New Testament
- $_{\rm 2EoB}$ $_{\rm \square}$ raised square; used in some editions of the Greek New Testament as an opening raised omission bracket
- 033B combining square below; IPA laminal
- 02FF UPA modifier letter low left arrow; this is a spacing character
- 034D combining left right arrow below
- 034E combining upwards arrow below
- o362 _ combining double rightwards arrow below; typed between the two letters to which it belongs
- 2190 \leftarrow leftwards arrow; compare \rightleftharpoons , 261C, white left pointing index
- 2191 ↑ upwards arrow; IPA upstep; compare ₺, 261D, white up pointing index
- 2192 → rightwards arrow; compare , 261E, white right pointing index
- 2193 \downarrow downwards arrow; IPA downstep; compare \P , 261F, white down pointing index
- 2194 ↔ left right arrow
- 2195 \$ up down arrow
- 2196 \ north west arrow
- 2197 / north east arrow; IPA global rise; compare 🖍, 2650, sagittarius (zodiacal symbol)
- 2198 > south east arrow; IPA global fall
- 2199

 ✓ south west arrow
- 219A # leftwards arrow with stroke
- 219B --> rightwards arrow with stroke
- 21Do ← leftwards double arrow
- 21D2 ⇒ rightwards double arrow

```
Digits, numbers, and mathematical operators, plus similarly-shaped characters
0030
        0
            digit zero
        0
2070
            superscript zero
2080
            subscript zero
       (0)
            circled digit zero
24EA
            digit one
0031
       1
ooB9
            superscript one
2081
            subscript one
215F
        1/
            fraction numerator one
            digit one full stop
2488
       1.
       (1)
            parenthesized digit one
2474
2460
       (1)
            circled digit one
0032
        2
            digit two
            superscript two; squared
00B2
            subscript two
2082
        2.
            digit two full stop
2489
       (2)
            parenthesized digit two
2475
2461
            circled digit two
       2
            two with stroke: archaic phonetic for [dz] affricate; no uppercase
01BB
            digit three
        3
0033
            superscript three; cubed
ooB3
            subscript three
2083
            digit three full stop
248A
       3.
            parenthesized digit three
2476
       (3)
       (3)
            circled digit three
2462
            lowercase abbreviation et; also used in the -q3 (-que) abbreviation; do not confuse with digit 3
A<sub>7</sub>6B
       3
            digit four
0034
       4
            superscript four
2074
2084
            subscript four
            digit four full stop
248B
       4.
            parenthesized digit four
       (4)
2477
       (4)
            circled digit four
2463
            digit five
0035
       5
       5
            superscript five
2075
            subscript five
2085
248C
            digit five full stop
       5.
       (5)
            parenthesized digit five
2478
            circled digit five
2464
       (5)
01BD
            Zhuang tone five; uppercase is 5, 01BC
       5
01BC
       5
            Zhuang tone five; lowercase is 5, 01BD
       6
            digit six
0036
       6
2076
            superscript six
            subscript six
2086
248D
       6.
            digit six full stop
        (6)
            parenthesized digit six
2479
2465
       (6)
            circled digit six
0037
            digit seven
        7
```

superscript seven

2077

- 2087 ₇ subscript seven
- 248E 7. digit seven full stop
- 247A (7) parenthesized digit seven
- 2466 7 circled digit seven
- 0038 8 digit eight
- 2078 8 superscript eight
- 2088 8 subscript eight
- 248F 8. digit eight full stop
- 247B (8) parenthesized digit eight
- 2467 (8) circled digit eight
- 0039 9 digit nine
- 2079 ⁹ superscript nine
- 2089 9 subscript nine
- 2490 9. digit nine full stop
- 247C (9) parenthesized digit nine
- 2468 9 circled digit nine
- A₇6F 9 lowercase abbreviation con
- A₇₇₀ 9 superscript modifier letter us (abbreviation)
- 1DD2 & combining 'us' above; medievalist use
- A₇6E 9 uppercase abbreviation CON
- 2491 10. number ten full stop
- 247D (10) parenthesized number ten
- 2469 (10) circled number ten
- 2492 11. number eleven full stop
- 247E (11) parenthesized number eleven
- 246A (1) circled number eleven
- 2493 12. number twelve full stop
- 247F (12) parenthesized number twelve
- 246B (12) circled number twelve
- 2494 13. number thirteen full stop
- 2480 (13) parenthesized number thirteen
- 246C (13) circled number thirteen
- 2495 14. number fourteen full stop
- 2481 (14) parenthesized number fourteen
- 246D (14) circled number fourteen
- 2496 15. number fifteen full stop
- 2482 (15) parenthesized number fifteen
- 246E (15) circled number fifteen
- 2497 16. number sixteen full stop
- 2483 (16) parenthesized number sixteen
- 246F (16) circled number sixteen
- 2498 17. number seventeen full stop
- 2484 (17) parenthesized number seventeen
- 2470 (17) circled number seventeen
- 2499 18. number eighteen full stop
- 2485 (18) parenthesized number eighteen
- 2471 (18) circled number eighteen
- 249A 19. number nineteen full stop

```
2486
        (19) parenthesized number nineteen
        (19) circled number nineteen
2472
        20. number twenty full stop
249B
        (20) parenthesized number twenty
2487
            circled number twenty
2473
215B
        \frac{1}{8}
2159
        1/6
        \frac{1}{5}
2155
ooBC
        1/4
        \frac{1}{3}
2153
215C
        3/8
2156
        \frac{2}{5}
ooBD
        \frac{1}{2}
        \frac{3}{5}
2157
        5/8
215D
        \frac{2}{3}
2154
ooBE
       3/4
2158
        4/5
        5/6
215A
215E
        \frac{7}{8}
            percent sign; do not confuse with 1, 2052, commercial minus sign
        %
0025
        %
            commercial minus sign; do not confuse with %, 0025, percent sign
2052
            per mille sign
2030
        ‱ permyriad, per ten thousand sign
2031
            roman numeral one
2160
            small roman numeral one
       i
2170
            roman numeral two
2161
        II
        ii
            small roman numeral two
2171
2162
        III
            roman numeral three
            small roman numeral three
        iii
2172
        \PiV
            roman numeral four
2163
            small roman numeral four
        iv
2173
        V
            roman numeral five
2164
            small roman numeral five
2174
            roman numeral six
2165
        VI
        vi
            small roman numeral six
2175
            roman numeral six late form
        Ç
2185
        VII roman numeral seven
2166
        vii small roman numeral seven
2176
2167
        VIII roman numeral eight
        viii small roman numeral eight
2177
            roman numeral nine
2168
        IX
            small roman numeral nine
        ix
2178
            roman numeral ten
       X
2169
            small roman numeral ten
        X
2179
            roman numeral eleven
216A
            small roman numeral eleven
217A
       xi
216B
        XII roman numeral twelve
```

```
217B
       xii small roman numeral twelve
216C
            roman numeral fifty
       I.
            roman numeral fifty early form
2186
       I
            small roman numeral fifty
217C
       1
216D
       C
            roman numeral one hundred
217D
       c
            small roman numeral one hundred
            roman numeral reversed one hundred; apostrophic c; Claudian antisigma; used in
2183
       \mathsf{C}
            combination with C, 216D, and I, 2160, to form large numbers
            Latin small letter reversed c; used only for the Claudian letter in inscriptions when editorial
2184
       С
            conventions require the use of a lowercase letter
            roman numeral five hundred
216E
       D
            small roman numeral five hundred
217E
       d
            roman numeral one thousand
216F
       M
            small roman numeral one thousand
217F
       m
            roman numeral one thousand CD
2180
       Œ
            roman numeran five thousand
       D
2181
2182
       Ф
            roman numeral ten thousand
            roman numeral fifty thousand
2187
       D
       @
            roman numeral one hundred thousand
2188
       HS
            Roman sestertius sign
10198
            Roman dupondius sign
       \mathbf{H}
10199
002B
            plus sign
207A
            superscript plus sign
            subscript plus sign
208A
            minus sign; do not confuse with -, 10191, Roman uncia sign
2212
            superscript minus
207B
208B
            subscript minus
            plus-minus sign
00B1
ooF7
            division sign
            multiplication sign
ooD7
            equals sign; do not confuse with =, 10190, Roman sextans sign
003D
            superscript equals sign
207C
            subscript equals sign
208C
            combining equals sign below
0347
            Roman sextans sign; do not confuse with =, 003D, equals sign
10190
02ED
            IPA modifier letter unaspirated
            double low line
2017
            less-than sign; preferred characters for angle brackets are ( ), 27E8 and 27E9
003C
            greater-than sign; preferred characters for angle brackets are ( ), 27E8 and 27E9
003E
            NOT sign
ooAC
            reversed NOT sign; beginning of line (computer science)
2310
       \sqrt{\phantom{a}}
221A
221E
       \infty
221F
2220
        _
2221
       ٨
2222
       ⋖
            integral (mathematical sign); do not confuse with f, 0283, lowercase esh
222B
```

```
2248
            almost equal to
2260
            not equal to
       #
            less-than or equal to
2264
       \leq
            greater-than or equal to
2265
            square image of (mathematical sign)
228F
            square original of (mathematical sign)
2290
       circled plus (mathematical sign)
2295
            circled minus (mathematical sign)
2296
           circled times (mathematical sign)
2297
            circled dash (mathematical sign)
229D
Punctuation marks, plus similarly-shaped characters
0020
            space
ooAo
            NBSP, no-break space
            NNBSP, narrow no-break space
202F
            comma; do not confuse with, (201A) single low-9 quotation mark; compare, (2E12), ancient
002C
            Greek ὑποδιαστολή
002E
            full stop
00B7
            middle dot; also used as the Greek high dot (ἄνω τελεία)
2022
            one dot leader
2024
            two dot leader
2025
            horizontal ellipsis
2026
            hyphenation point
2027
            triangular bullet
2023
            modifier letter half triangular colon; IPA half-length mark
02D1
            colon; do not confuse with :, o2Do, modifier letter triangular colon
оозА
            UPA modifier letter raised colon; this is not a punctuation mark
02F8
            two dot punctuation; do not confuse with i, 1015B, Greek epigraphic Epidaurean 2
205A
02D0
            modifier letter triangular colon; IPA length mark; do not confuse with:, 003A, colon
            semicolon; also used as the Greek question mark
оозВ
            reversed semicolon
204F
            tricolon
205D
            three dot punctuation
2056
            two dots over one dot punctuation
2E2A
       :
            because (mathematical sign)
2235
2E2B
            one dot over two dots punctuation
       :.
            therefore (mathematical sign)
       :.
2234
            vertical four dots
205E
            four dot punctuation
2058
       ÷
       ÷
            four dot mark; textual highlighter or colophon
205B
2E2C
            squared four dot punctuation
       ::
2237
       ::
            proportion (mathematical sign)
            five dot punctuation; Greek πεντόγκιον; quincunx
2059
2E2D
            five dot mark
       .;.
            dotted cross
205C
       #:
203B
            ancient Greek ἀστερίσκος
       *
002A
            asterisk
```

low asterisk

204E

```
flower punctuation mark
2055
            two asterisks aligned vertically
       *
2051
            asterism
2042
22C6
            star operator (mathematical sign); when set superscript, linguistic symbol denoting a
            hypothetical word form
       ?
            question mark
003F
            inverted question mark
ooBF
       ડં
            reversed question mark; punctus percontativus
2E2E
       ??
            double question mark
2047
       ?!
            question exclamation mark
2048
       !?
            exclamation question mark
2049
203D
       P
            interrobang
       !
            exclamation mark; do not confuse with !, o1C3, alveolar click
0021
       !
01C3
            alveolar click; see also C, 0297; no uppercase; do not confuse with the exclamation mark!
            inverted exclamation mark
00A1
203C
            double exclamation mark
            hyphen; minus; compare the dedicated hyphen (2012) and minus (2212) signs
002D
            discretionary hyphen
ooAD
            hyphen
2010
            non-breaking hyphen
2011
            double oblique hyphen
2E17
            hyphen bullet
2043
            figure dash; do not confuse with -, 10191, Roman uncia sign
2012
            EN dash; ancient Greek ὀβελός; metrical long; do not confuse with –, 10191, Roman uncia sign
2013
            Roman uncia sign; do not confuse with -, 2012, figure dash, and -, 2013, EN dash
10191
            EM dash
2014
            left parenthesis
0028
207D
            superscript left parenthesis
208D
            subscript left parenthesis
            right parenthesis
0029
            superscript right parenthesis
207E
            subscript right parenthesis
208E
            left double parenthesis
2E28
       ((
2E29
            right double parenthesis
        ))
            Roman siliqua sign
10195
            left square bracket
005B
            right square bracket
005D
            mathematical left white square bracket; also used as an editorial sign
27E6
27E7
            mathematical right white square bracket; also used as an editorial sign
            left square bracket with quill
2045
            right square bracket with quill
2046
            mathematical left angle bracket; also used as an editorial sign (and as such preferred over <,
27E8
            003C, less-than sign)
            mathematical right angle bracket; also used as an editorial sign (and as such preferred over >,
27E9
            003E, greater-than sign)
            left curly bracket, left brace
007B
```

right curly bracket, right brace

007D

- 2E26 ⊂ left sideways U bracket
- 2E27 > right sideways U bracket
- 2EoC \ left raised omission bracket; used in some editions of the Greek New Testament as an opening or closing raised omission bracket
- 2EoD ′ right raised omission bracket; used in some editions of the Greek New Testament as an opening or closing raised omission bracket
- 002F / solidus, slash
- 2044 / fraction slash, solidus
- 2215 / division slash
- 1019A + Roman as sign
- 1019B 7 Roman centurial sign
- 005C \ reverse solidus, backslash
- oo7C | vertical line, vertical bar; do not confuse with I, o1Co, dental click, which is a letter and not a punctuation mark
- oıCo | dental click; see also 1, 0287; no uppercase do not confuse with |, 007C, vertical bar, which is a punctuation mark
- o1C2 ‡ palatal click; see also ς, 0297; no uppercase
- ooA6 | broken bar
- double vertical line; do not confuse with II, 01C1, lateral click, which is a letter and not a punctuation mark
- 2980 || triple vertical bar delimiter
- oo27 ' apostrophe; neutral (vertical) glyph with mixed usage; '(2019) is preferred for apostrophe; preferred characters in English for paired single quotation marks are '(2018) and '(2019); do not confuse with ', 02B9, modifier letter prime
- o2B9 ' modifier letter prime; indicates primary stress [compare o2C8]; also a transliteration of the Cyrillic soft sign; do not confuse with ', 0020, apostrophe
- 2032 ' prime; do not confuse with ', 00B4, spacing acute accent, or with ', 02CA, modifier letter acute accent, or with ', 0374, Greek numeral sign, δεξιὰ κεραία
- 2035 ' reversed prime; do not confuse with `, 0060, grave accent, or with `, 02CB, modifier letter grave accent
- 2018 'left single quotation mark
- 2019 'right single quotation mark
- 201A , single low-9 quotation mark; do not confuse with the comma, 002C
- 201B 'single high-reversed-9 quotation mark
- oo22 " quotation mark; neutral (vertical), used as opening or closing quotation mark; preferred characters in English for paired double quotation marks are "(201C) and "(201D)
- 201C " left double quotation mark
- 201D " right double quotation mark; do not confuse with ", Nenets modifier letter double apostrophe, 02EE
- o2EE " Nenets modifier letter double apostrophe; do not confuse with", right double quotation mark, 201D
- 201E , double low-9 quotation mark
- 201F " double high-reversed-9 quotation mark
- 2033 " double prime
- o2BA " modifier letter double prime; exaggerated/contrastive stress; transliteration of Cyrillic hard sign

```
2034 " triple prime
```

- 2057 "" quadruple prime
- 2036 " reversed double prime
- 2037 " reversed triple prime
- 2038 $_{\wedge}$ caret; compare $_{\wedge}$ (2041), caret insertion point
- 2039 < single left-pointing angle quotation mark
- 203A > single right-pointing angle quotation mark
- ooAB « left-pointing double angle quotation mark
- ooBB » right- pointing double angle quotation mark
- 204C black leftwards bullet
- 204D black rightwards bullet
- 2050 close up: editing mark
- 2041 $_{\text{A}}$ caret insertion point; proofreader's mark: insert here; compare $_{\text{A}}$ (2038), caret

Various symbols

- 0023 # number sign; hash
- ooA4 ¤ currency sign
- 0026 & ampersand
- 204A 7 Tironian sign 'et'
- A₇6B ₃ lowercase abbreviation 'et'; also used in the -q₃ (-que) abbreviation; do not confuse with lowercase yogh, ₃, ₀₂₁D, or with digit ₃
- A₇6A 3 uppercase abbreviation ET; do not confuse with uppercase yogh, 3, 021C, or with digit 3
- ooA7 § section sign
- ooB6 ¶ pilcrow, paragraph sign
- 204B reversed pilcrow sign
- 2135 🐧 alef symbol; do not use for Hebrew text
- 2136 bet symbol; do not use for Hebrew text
- 214F www. symbol for Samaritan source
- 2312 \cap arc
- 23D1 ~ metrical breve
- 23D2 = metrical long over short

- 23D5 \simeq metrical two shorts over long
- 23D6 ~ metrical two shorts joined
- 23D7 metrical triseme
- 23D8 metrical tetraseme
- 23D9 umetrical pentaseme
- 261C ☜ white left pointing index
- 261D white up pointing index
- 261E white right pointing index; fist (typographic term)
- 261F white down pointing index
- 2020 † dagger
- 2021 ‡ double dagger
- 271D † Latin cross
- 271F † outlined Latin cross
- 2671 † East Syriac cross
- 2720 🗗 Maltese cross

```
2626
            orthodox cross
        ‡
            khi rho, Christogram
2627
        *
2628
        Ť
            cross of Lorraine
2629
        +
            cross of Jerusalem
        ✡
            star of David
2721
262A
        (*
            star and crescent
262B
        (Ŭ)
            Farsi symbol
        鏺
            wheel of dharma
2638
262C
        Φ
            ādi śakti or khandā
263D
        \supset
            first quarter moon
263E
        \mathbb{C}
            last quarter moon
263F
        ğ
            Mercury
        Q
            female sign; Venus
2640
2641
        φ
            earth
            male sign; Mars
2642
        ď
        2
            Jupiter
2643
2644
        ħ
            Saturn
2645
        Ж
            Uranus
        Ψ
            Neptune
2646
2647
        Р
            Pluto
        Υ
2648
            Aries (zodiacal symbol)
        \aleph
            Taurus (zodiacal symbol)
2649
264A
        I
            Gemini (zodiacal symbol)
264B
        9
            Cancer (zodiacal symbol)
            Leo (zodiacal symbol)
264C
        \delta
264D
            Virgo (zodiacal symbol)
        \mathfrak{m}
264E
        Ω
            Libra (zodiacal symbol)
264F
            Scorpio (zodiacal symbol)
        \mathfrak{M}_{\mathbf{a}}
2650
            Sagittarius (zodiacal symbol)
        \checkmark
        7
            Capricorn (zodiacal symbol)
2651
            Aquarius (zodiacal symbol)
2652
        ~~
        \mathcal{H}
            Pisces (zodiacal symbol)
2653
267E
        ∞
            permanent paper sign
        £
            anchor; harbor (on maps)
2693
2694
        X
            crossed swords; battleground (on maps)
26AD
        00
            marriage symbol
2E19
            palm branch; used as a separator
Greek
03B1
       α
                lowercase alpha
озАС
       ά
                lowercase alpha with τόνος; also the preferred character for alpha with acute accent; the use
                of ά, 1F71, for alpha with acute accent, even in ancient texts, is dissuaded
1F71
        ά
                lowercase alpha with acute accent (ὀξεῖα); ά, o<sub>3</sub>AC, is the preferred character
1F70
       ά
                lowercase alpha with grave accent (βαρεία)
                lowercase alpha with circumflex accent (περισπωμένη)
1FB6
        â
1Foo
        ά
                lowercase alpha with smooth breathing (ψιλή)
1F01
        ά
                lowercase alpha with rough breathing (δασεῖα)
1FBo
                lowercase alpha with breve (βραχύ)
        ă
```

lowercase alpha with macron (μακρόν)

1FB1

 $\bar{\alpha}$

```
1F04
       ď
               lowercase alpha with smooth breathing and acute accent
       ά
1F05
               lowercase alpha with rough breathing and acute accent
1F02
       ά
               lowercase alpha with smooth breathing and grave accent
       ά
               lowercase alpha with rough breathing and grave accent
1F03
1F06
       â
               lowercase alpha with smooth breathing and circumflex accent
       ά
               lowercase alpha with rough breathing and circumflex accent
1F07
               lowercase alpha with iota subscript (ὑπογεγραμμένη)
ıFB3
               lowercase alpha with acute accent and iota subscript
1FB4
       ά
1FB2
       ά
               lowercase alpha with grave accent and iota subscript
               lowercase alpha with circumflex accent and iota subscript
1FB7
       â
               lowercase alpha with smooth breathing and iota subscript
1F80
               lowercase alpha with rough breathing and iota subscript
1F81
       ď
              lowercase alpha with smooth breathing and acute accent and iota subscript
1F84
       ά
               lowercase alpha with rough breathing and acute accent and iota subscript
1F85
               lowercase alpha with smooth breathing and grave accent and iota subscript
1F82
       ά
ἆ
               lowercase alpha with rough breathing and grave accent and iota subscript
1F83
1F86
               lowercase alpha with smooth breathing and circumflex accent and iota subscript
               lowercase alpha with rough breathing and circumflex accent and iota subscript
1F87
               uppercase Alpha
0391
       A
0386
       Ά
               uppercase Alpha with τόνος; also the preferred character for Alpha with acute accent; the
               use of 'A, 1FBB, for alpha with acute accent, even in ancient texts, is dissuaded
1FBB
       Ά
               uppercase Alpha with acute accent (ὀξεῖα); Ά, 0386, is the preferred character
1FBA
       Ά
               uppercase Alpha with grave accent (βαρεῖα)
               uppercase Alpha with smooth breathing (ψιλή)
1F08
       Ά
               uppercase Alpha with rough breathing (δασεῖα)
1F09
       Ά
       Ă
               uppercase Alpha with breve (βραχύ)
1FB8
       Ā
               uppercase Alpha with macron (μακρόν)
1FB9
1FoC
       "A
               uppercase Alpha with smooth breathing and acute accent
               uppercase Alpha with rough breathing and acute accent
1FoD
       "A
               uppercase Alpha with smooth breathing and grave accent
1FoA
       ̈̈́A
1FoB
       "A
               uppercase Alpha with rough breathing and grave accent
1FoE
       Å
               uppercase Alpha with smooth breathing and circumflex accent
1FoF
       Å
               uppercase Alpha with rough breathing and circumflex accent
               uppercase Alpha with iota adscript (προσγεγραμμένη)
1FBC
       Aι
               uppercase Alpha with smooth breathing and iota adscript
1F88
       Άι
               uppercase Alpha with rough breathing and iota adscript
1F89
       Άι
               uppercase Alpha with smooth breathing and acute accent and iota adscript
1F8C
       'nΑι
1F8D
               uppercase Alpha with rough breathing and acute accent and iota adscript
       Άι
               uppercase Alpha with smooth breathing and grave accent and iota adscript
1F8A
       'Άι
                                      with rough breathing and grave accent and iota adscript
1F8B
       Ήι
               uppercase Alpha
               uppercase Alpha with smooth breathing and circumflex accent and iota adscript
1F8E
       'nλι
               uppercase Alpha with rough breathing and circumflex accent and iota adscript
1F8F
       'n
               lowercase beta; IPA voiced bilabial fricative
03B2
       6
               curled beta symbol; not used for Greek text
озДо
       a
               three quarters sign (papyri)
10178
0392
       В
               uppercase Beta
               lowercase gamma
03B3
       Υ
0393
       Γ
               uppercase Gamma
```

```
10184
                ounkia sign (papyri)
10188
       Ιŧ
                gramma sign (papyri)
03B4
       δ
                lowercase delta
0394
       \Delta
                uppercase Delta
                character variant
                (for use as an acrophonic numeral) use Stylistic Set 03
        Δ
                lowercase epsilon
03B5
        ε
                lunate epsilon symbol; not used for Greek text
03F5
03F6
                reversed lunate epsilon symbol; not used for Greek text
       Э
o<sub>3</sub>AD
       έ
                lowercase epsilon with τόνος; also the preferred character for epsilon with acute accent; the
                use of \xi, 1F73, for epsilon with acute accent, even in ancient texts, is dissuaded
1F73
        έ
                lowercase epsilon with acute accent (ὀξεῖα); έ, o<sub>3</sub>AD, is the preferred character
        έ
                lowercase epsilon with grave accent (βαρεία)
1F72
        έ
                lowercase epsilon with smooth breathing (ψιλή)
1F10
        έ
                lowercase epsilon with rough breathing (δασεῖα)
1F11
        ε̈́
                lowercase epsilon with smooth breathing and acute accent
1F14
1F15
        έ
                lowercase epsilon with rough breathing and acute accent
        ŝ
                lowercase epsilon with smooth breathing and grave accent
1F12
        ŝ
                lowercase epsilon with rough breathing and grave accent
1F13
       E
                uppercase Epsilon
0395
0388
       Έ
                uppercase Epsilon with τόνος; also the preferred character for Epsilon with acute accent;
                the use of 'E, 1FC9, for Epsilon with acute accent, even in ancient texts, is dissuaded
1FC9
       Έ
                uppercase Epsilon with acute accent (ὀξεῖα); Έ, 0388, is the preferred character
       Έ
1FC8
                uppercase Epsilon with grave accent (βαρεῖα)
1F18
       Έ
                uppercase Epsilon with smooth breathing (ψιλή)
       Έ
                uppercase Epsilon with rough breathing (δασεῖα)
1F19
       "E
                uppercase Epsilon with smooth breathing and acute accent
1F1C
1F1D
       "E
                uppercase Epsilon with rough breathing and acute accent
1F1A
       "E
                uppercase Epsilon with smooth breathing and grave accent
                uppercase Epsilon with rough breathing and grave accent
1F1B
       "E
                lowercase wau (or digamma)
o<sub>3</sub>DD
       F
10181
                metretes sign (papyri)
                three obols sign (papyri)
1017E
                four obols sign (papyri)
1017F
10180
                five obols sign (papyri)
o<sub>3</sub>DC
       F
                uppercase Wau (or Digamma)
03B6
       ζ
                lowercase zeta
       Z
0396
                uppercase Zeta
03B7
                lowercase eta
озАЕ
       ή
                lowercase eta with \tauóvoς; also the preferred character for eta with acute accent; the use of \dot{\eta},
                1F75, for eta with acute accent, even in ancient texts, is dissuaded
                lowercase eta with acute accent (\delta\xi\epsilon\hat{\alpha}); \dot{\eta}, 03AE, is the preferred character
1F75
        ή
                lowercase eta with grave accent (βαρεία)
1F74
        ή
                lowercase eta with circumflex accent (περισπωμένη)
1FC6
        ή
                lowercase eta with smooth breathing (ψιλή)
1F20
        ή
1F21
        ή
                lowercase eta with rough breathing (\delta \alpha \sigma \epsilon \hat{\imath} \alpha)
                lowercase eta with smooth breathing and acute accent
1F24
        ή
                lowercase eta with rough breathing and acute accent
1F25
```

```
1F22
               lowercase eta with smooth breathing and grave accent
1F23
       ή
               lowercase eta with rough breathing and grave accent
       ή
               lowercase eta with smooth breathing and circumflex accent
1F26
               lowercase eta with rough breathing and circumflex accent
1F27
       ή
1FC3
               lowercase eta with iota subscript (ὑπογεγραμμένη)
       η
               lowercase eta with acute accent and iota subscript
1FC4
       ή
1FC2
               lowercase eta with grave accent and iota subscript
       'n
               lowercase eta with circumflex accent and iota subscript
ıFC7
       ĥ
               lowercase eta with smooth breathing and iota subscript
1F90
       'n
1F91
               lowercase eta with rough breathing and iota subscript
       'n
1F94
       ή
               lowercase eta with smooth breathing and acute accent and iota subscript
1F95
               lowercase eta with rough breathing and acute accent and iota subscript
       ή
               lowercase eta with smooth breathing and grave accent and iota subscript
1F92
       'n
               lowercase eta with rough breathing and grave accent and iota subscript
1F93
       ή
               lowercase eta with smooth breathing and circumflex accent and iota subscript
1F96
               lowercase eta with rough breathing and circumflex accent and iota subscript
1F97
       ή
0397
       Η
               uppercase Eta
               character variant
       Н
               (for use as an acrophonic numeral) use Stylistic Set o3
0389
       Ή
               uppercase Eta with τόνος; also the preferred character for Eta with acute accent; the use of
               'H, 1FCB, for Eta with acute accent, even in ancient texts, is dissuaded
               uppercase Eta with acute accent (ὀξεῖα); Ή, 0389, is the preferred character
1FCB
       Ή
1FCA
       Ή
               uppercase Eta with grave accent (βαρεῖα)
               uppercase Eta with smooth breathing (ψιλή)
1F28
       Ή
       Ή
               uppercase Eta with rough breathing (δασεῖα)
1F29
               uppercase Eta with smooth breathing and acute accent
       "H
1F2C
       "H
               uppercase Eta with rough breathing and acute accent
1F2D
1F2A
       H"
               uppercase Eta with smooth breathing and grave accent
1F2B
       H"
               uppercase Eta with rough breathing and grave accent
       ^{9}H
               uppercase Eta with smooth breathing and circumflex accent
1F2E
1F2F
       H۶
               uppercase Eta with rough breathing and circumflex accent
1FCC
               uppercase Eta with iota adscript (προσγεγραμμένη)
       Hι
1F98
       Ήι
               uppercase Eta with smooth breathing and iota adscript
1F99
       Ήι
               uppercase Eta with rough breathing and iota adscript
               uppercase Eta with smooth breathing and acute accent and iota adscript
1F9C
       "Hı
               uppercase Eta with rough breathing and acute accent and iota adscript
1F9D
       "H\iota
               uppercase Eta with smooth breathing and grave accent and iota adscript
1F9A
       "Hı
1F9B
       "Hı
               uppercase Eta with rough breathing and grave accent and iota adscript
               uppercase Eta with smooth breathing and circumflex accent and iota adscript
1F9E
       ³Ηι
       îH۱
               uppercase Eta with rough breathing and circumflex accent and iota adscript
1F9F
               lowercase heta
       1-
0371
       ŀ
               uppercase Heta
0370
               character variant
       Н
               (for use as an acrophonic numeral) use Stylistic Set 03
               lowercase theta
03B8
0398
       Θ
               uppercase Theta
03D1
       θ
               script theta symbol; not used for Greek text
               uppercase Theta symbol; not used for Greek text
03F4
       θ
```

03B9	ι	lowercase iota
	l l	adscript iota (προσγεγραμμένη); do not use for Greek text but always input regular iota,
II.DE	·	o3B9
027 Δ		spacing iota subscript (spacing ὑπογεγραμμένη); compare combining subscript iota, ຸ, 0345
037A		combining iota subscript (spacing υπογεγραμμένη); compare combining subscript lota, ψ, 0345
0345		
00 A E	ί	037A lowercase iota with τόνος; also the preferred character for iota with acute accent; the use of
o3AF	t	(, 1F77, for iota with acute accent, even in ancient texts, is dissuaded
1F77	ί	lowercase iota with acute accent, even in ancient texts, is dissuaded lowercase iota with acute accent ($\delta \xi \epsilon i \alpha$); i, 03AF, is the preferred character
1F76	ì	lowercase iota with grave accent ($\emptyset \varphi \epsilon i \alpha$)
1FD6	î	lowercase iota with grave accent (μαρεια) lowercase iota with circumflex accent (περισπωμένη)
	l	lowercase iota with smooth breathing (ψιλή)
1F30	i	lowercase iota with rough breathing (δασεῖα)
1F31 1FD0	ĭ	lowercase iota with rough breathing (ομοεία) lowercase iota with breve (βραχύ)
1FD1	ī	lowercase iota with macron (μακρόν)
1F34	ζ v	lowercase iota with smooth breathing and acute accent
1F35	ί "	lowercase iota with rough breathing and acute accent
1F32	j,	lowercase iota with smooth breathing and grave accent
1F33	î ?	lowercase iota with rough breathing and grave accent
1F36	Î ?	lowercase iota with smooth breathing and circumflex accent
1F37	ີ້ :	lowercase iota with rough breathing and circumflex accent
озСА	Ϊ ••	lowercase iota with διαλυτικά
0390	ΐ	lowercase iota with διαλυτικά and τόνος; also the preferred character for iota with διαλυτικά
		and acute accent; the use of ΐ, 1FD3, for iota with διαλυτικά and acute accent, even in
ıFD3	*	ancient texts, is dissuaded lowercase iota with διαλυτικά and acute accent (ὀξεῖα); ΐ, 0390, is the preferred character
1FD3	î ÷	• • • • • • • • • • • • • • • • • • • •
1FD2 1FD7	î Î	lowercase iota with διαλυτικά and grave accent (βαρεῖα) lowercase iota with διαλυτικά and circumflex accent (περισπωμένη)
-	I	uppercase Iota
0399	1	character variant
	1	(for use as an acrophonic numeral) use Stylistic Set 03
038A	'I	uppercase Iota with τόνος; also the preferred character for Iota with acute accent; the use of
036A	1	T, iFDB, for lota with acute accent, even in ancient texts, is dissuaded
1FDB	Ί	uppercase Iota with acute accent ($\delta \xi \hat{\epsilon} \hat{\alpha}$); I, 038A, is the preferred character
1FDA	ľ	uppercase Iota with grave accent ($\alpha \in \alpha$), is the preferred character uppercase Iota with grave accent ($\beta \alpha \in \alpha$)
1F38	Ί	uppercase Iota with smooth breathing (ψιλή)
1F39	ľ	uppercase Iota with rough breathing $(δασεῖα)$
1FD8	Ĭ	uppercase Iota with breve (βραχύ)
1FD9	Ī	uppercase Iota with macron (μακρόν)
1F3C	"I	uppercase Iota with macron (μακρον) uppercase Iota with smooth breathing and acute accent
1F3D	"I	uppercase Iota with rough breathing and acute accent
1F3A	"I	uppercase Iota with smooth breathing and grave accent
1F3B	I"	uppercase Iota with rough breathing and grave accent
1F3E	۹Ī	uppercase Iota with smooth breathing and circumflex accent
1F3F	°I	uppercase Iota with rough breathing and circumflex accent
03AA	Ϊ	uppercase Iota with διαλυτικά
03F3	i	yot
	×	lowercase kappa
- 0		Tr

```
озГо
               script kappa symbol; not used for Greek text
       κ
               lowercase καί symbol; used as an ampersand
03D7
       ĸ
039A
      K
               uppercase Kappa
10182
       K
               kyathos base sign (papyri)
       K
               uppercase Kαί symbol; used as an ampersand
o<sub>3</sub>CF
озВВ
      λ
               lowercase lambda
               uppercase Lambda
039B
       Λ
               Greek lowercase mu; do not confuse with \mu, ooB5, micro sign
03BC
       μ
               micro sign; do not confuse with μ, 03BC, Greek lowercase mu
ooB5
       μ
039C
       M
               uppercase Mu
               character variant
       Μ
               (for use as an acrophonic numeral) use Stylistic Set 03
               lowercase nu
o<sub>3</sub>BD
       ν
039D
       N
               uppercase Nu
       ξ
               lowercase ksi
озВЕ
               xestes sign (papyri)
10185
039E
       Ξ
               uppercase Ksi
               lowercase omicron
o<sub>3</sub>BF
       0
               lowercase omicron with τόνος; also the preferred character for omicron with acute accent;
03CC
               the use of δ, 1F79, for omicron with acute accent, even in ancient texts, is dissuaded
       ó
               lowercase omicron with acute accent (ὀξεῖα); ό, 03CC, is the preferred character
1F79
1F78
       ò
               lowercase omicron with grave accent (βαρεῖα)
1F40
       ò
               lowercase omicron with smooth breathing (ψιλή)
       ဝ်
               lowercase omicron with rough breathing (δασεῖα)
1F41
       ő
               lowercase omicron with smooth breathing and acute accent
1F44
       ő
               lowercase omicron with rough breathing and acute accent
1F45
       ő
               lowercase omicron with smooth breathing and grave accent
1F42
       ő
               lowercase omicron with rough breathing and grave accent
1F43
039F
       O
               uppercase Omicron
038C
       'O
               uppercase Omicron with τόνος; also the preferred character for Omicron with acute accent;
               the use of 'O, 1FF9, for Omicron with acute accent, even in ancient texts, is dissuaded
       'O
1FF9
               uppercase Omicron with acute accent (ὀξεῖα); Ό, 038C, is the preferred character
ıFF8
       O'
               uppercase Omicron with grave accent (βαρεῖα)
1F48
       O'
               uppercase Omicron with smooth breathing (ψιλή)
               uppercase Omicron with rough breathing (\delta \alpha \sigma \epsilon \hat{\iota} \alpha)
1F49
       O
1F4C
       "O
               uppercase Omicron with smooth breathing and acute accent
1F4D
       "O
               uppercase Omicron with rough breathing and acute accent
               uppercase Omicron with smooth breathing and grave accent
1F4A
       "O
ıF4B
       "O
               uppercase Omicron with rough breathing and grave accent
o<sub>3</sub>Co
       \pi
               lowercase pi
03D6
       \boldsymbol{\omega}
               technical pi symbol (so-called omega pi); not used for Greek text
озАо
      П
               uppercase Pi
o<sub>3</sub>FB
       М
               lowercase san
oзFA
      M
               uppercase San
03D9
               lowercase archaic qoppa
03D8
       Q
               uppercase archaic Qoppa
o<sub>3</sub>DF
       4
               lowercase qoppa
o3DE 5
               uppercase Qoppa
```

03C1	ρ	lowercase rho
ıFE4	ρ	lowercase rho with smooth breathing (ψιλή)
1FE5	ρ <mark>်</mark>	lowercase rho with rough breathing (δασεῖα)
03F1	g	tailed rho symbol; not used for Greek text
o ₃ FC	φ	rho with stroke symbol; used with abbreviations containing ρ
03A1	P	uppercase Rho
1FEC	'P	uppercase Rho with rough breathing (δασεῖα)
03C3	σ	lowercase sigma
03C2	ς	lowercase final sigma; do not confuse with ς, o3DB, stigma
03F2	С	lowercase lunate sigma
037C	c	lowercase σίγμα περιεστιγμένον
037B	5	lowercase ἀντίσιγμα
037D	Э	lowercase ἀντίσιγμα περιεστιγμένον
03A3	Σ	uppercase Sigma
03F9	C	uppercase lunate Sigma
o3FE	C	uppercase σίγμα περιεστιγμένον
o ₃ FD	С	uppercase ἀντίσιγμα
o ₃ FF	Э	uppercase ἀντίσιγμα περιεστιγμένον
o3DB	5	lowercase stigma; do not confuse with ς , 03C2, final sigma
o ₃ DA	ς	uppercase Stigma
03C4	τ	lowercase tau
10189	<u> </u>	tryblion base sign (papyri)
03A4	T	uppercase Tau
03C5	υ	lowercase upsilon
o3CD	ύ	lowercase upsilon with $\tau \acute{o}v \acute{o} \varsigma$; also the preferred character for upsilon with acute accent; the use of \acute{o} , 1F7B, for upsilon with acute accent, even in ancient texts, is dissuaded
ıF7B	ύ	lowercase upsilon with acute accent (ὀξεῖα); ύ, 03CD, is the preferred character
1F7A	ύ	lowercase upsilon with grave accent (βαρεῖα)
ıFE6	ΰ	lowercase upsilon with circumflex accent (περισπωμένη)
1F50	ů	lowercase upsilon with smooth breathing (ψιλή)
1F51	ပ်	lowercase upsilon with rough breathing (δασεῖα)
1FE0	ŭ	lowercase upsilon with breve (βραχύ)
1FE1	$\bar{\upsilon}$	lowercase upsilon with macron (μακρόν)
1F54	ΰ	lowercase upsilon with smooth breathing and acute accent
1F55	ប័	lowercase upsilon with rough breathing and acute accent
1F52	ΰ	lowercase upsilon with smooth breathing and grave accent
1F53	ΰ	lowercase upsilon with rough breathing and grave accent
1F56	ີບໍ	lowercase upsilon with smooth breathing and circumflex accent
1F57	ប៌	lowercase upsilon with rough breathing and circumflex accent
o ₃ CB	ΰ	lowercase upsilon with διαλυτικά
озВо	ΰ	lowercase upsilon with διαλυτικά and τόνος; also the preferred character for upsilon with
		διαλυτικά and acute accent; the use of ΰ, 1FE3, for upsilon with διαλυτικά and acute accent,
		even in ancient texts, is dissuaded
ıFE3	ΰ	lowercase upsilon with διαλυτικά and acute accent (ὀξεῖα); ΰ, 03Bo, is the preferred
		character
1FE2	ΰ	lowercase upsilon with διαλυτικά and grave accent (βαρεΐα)
ıFE7	ິ່ນ	lowercase upsilon with διαλυτικά and circumflex accent (περισπωμένη)
03A5	Υ	uppercase Upsilon

```
038E
       Ύ
               uppercase Upsilon with τόνος; also the preferred character for Upsilon with acute accent;
               the use of 'Y, 1FEB, for Upsilon with acute accent, even in ancient texts, is dissuaded
       Ύ
               uppercase Upsilon with acute accent (ὀξεῖα); Ύ, 038E, is the preferred character
1FEB
1FEA
       Ύ
               uppercase Upsilon with grave accent (βαρεῖα)
1F59
       Ύ
               uppercase Upsilon with rough breathing (δασεῖα)
       Ϋ́
ıFE8
               uppercase Upsilon with breve (βραχύ)
       \bar{\mathrm{Y}}
               uppercase Upsilon with macron (μακρόν)
1FE9
       "Y
               uppercase Upsilon rough breathing and acute accent
1F5D
1F5B
       Υ"
               uppercase Upsilon rough breathing and grave accent
1F5F
       ۴Y
               uppercase Upsilon rough breathing and circumflex accent
      Ϋ
озАВ
               uppercase Upsilon with διαλυτικά
03C6
               lowercase phi
03D5
               technical phi symbol; not used for Greek text
03A6
               uppercase Phi
       Φ
               lowercase khi
03C7
       χ
03A7
       X
               uppercase Khi
               character variant
               (for use as an acrophonic numeral) use Stylistic Set 03
       Χ
03C8
       ψ
               lowercase psi
03A8
       Ψ
               uppercase Psi
03C9
               lowercase omega
       ω
               two thirds sign (papyri)
10177
       ω
o<sub>3</sub>CE
       ώ
               lowercase omega with τόνος; also the preferred character for omega with acute accent; the
               use of ώ, 1F7D, for omega with acute accent, even in ancient texts, is dissuaded
               lowercase omega with acute accent (ὀξεῖα); ώ, o3CE, is the preferred character
1F7D
       ώ
               lowercase omega with grave accent (βαρεῖα)
1F7C
       ώ
ıFF6
               lowercase omega with circumflex accent (περισπωμένη)
       \hat{\omega}
1F60
       ώ
               lowercase omega with smooth breathing (ψιλή)
1F61
       ώ
               lowercase omega with rough breathing (δασεῖα)
               lowercase omega with smooth breathing and acute accent
1F64
       ű
       ű
               lowercase omega with rough breathing and acute accent
1F65
       ώ
               lowercase omega with smooth breathing and grave accent
1F62
       ω
               lowercase omega with rough breathing and grave accent
1F63
1F66
       ۵
               lowercase omega with smooth breathing and circumflex accent
       \hat{\omega}
1F67
               lowercase omega with rough breathing and circumflex accent
ıFF3
               lowercase omega with iota subscript (ὑπογεγραμμένη)
       φ
               lowercase omega with acute accent and iota subscript
1FF4
1FF2
               lowercase omega with grave accent and iota subscript
       ώ
               lowercase omega with circumflex accent and iota subscript
1FF7
       φ
1FA0
       ώ
               lowercase omega with smooth breathing and iota subscript
               lowercase omega with rough breathing and iota subscript
1FA1
               lowercase omega with smooth breathing and acute accent and iota subscript
1FA4
               lowercase omega with rough breathing and acute accent and iota subscript
ıFA5
               lowercase omega with smooth breathing and grave accent and iota subscript
1FA2
       ώ
               lowercase omega with rough breathing and grave accent and iota subscript
ıFA3
               lowercase omega with smooth breathing and circumflex accent and iota subscript
ıFA6
       ŵ
1FA7
               lowercase omega with rough breathing and circumflex accent and iota subscript
               uppercase Omega; compare \Omega, 2126, Ohm sign
03A9
```

2126 Ω Ohm sign; preferred representation is Ω , o₃A₉ 038F Ώ uppercase Omega with τόνος; also the preferred character for Omega with acute accent; the use of ' Ω , 1FFB, for Omega with acute accent, even in ancient texts, is dissuaded 1FFB Ώ uppercase Omega with acute accent ($\delta \xi \epsilon i\alpha$); Ω , 038F, is the preferred character 1FFA Ω' uppercase Omega with grave accent (βαρεῖα) uppercase Omega with smooth breathing (ψιλή) 1F68 Ω΄ Ω uppercase Omega with rough breathing (δασεῖα) 1F69 uppercase Omega with smooth breathing and acute accent 1F6C Ω " 1F6D uppercase Omega with rough breathing and acute accent Ω " 1F6A Ω " uppercase Omega with smooth breathing and grave accent 1F6B Ω " uppercase Omega with rough breathing and grave accent 1F6E $\Omega^{\hat{r}}$ uppercase Omega with smooth breathing and circumflex accent 1F6F $\Omega^{\mathfrak{r}}$ uppercase Omega with rough breathing and circumflex accent 1FFC uppercase Omega with iota adscript (προσγεγραμμένη) $\Omega \iota$ uppercase Omega with smooth breathing and iota adscript 1FA8 Ω i uppercase Omega with rough breathing and iota adscript 1FA9 $_{
m l}\Omega$ 1FAC $^{"}\Omega\iota$ uppercase Omega with smooth breathing and acute accent and iota adscript 1FAD Ω uppercase Omega with rough breathing and acute accent and iota adscript 1FAA $_{1}\Omega^{"}$ uppercase Omega with smooth breathing and grave accent and iota adscript 1FAB $_{
m l}\Omega'$ uppercase Omega with rough breathing and grave accent and iota adscript uppercase Omega with smooth breathing and circumflex accent and iota adscript 1FAE $^{\mathfrak{l}}\Omega_{\mathfrak{l}}$ 1FAF $_{
m l}\Omega^{
m r}$ uppercase Omega with rough breathing and circumflex accent and iota adscript 03E1 lowercase sampi 7 озЕо uppercase Sampi λ lowercase archaic sampi 0373 Τ uppercase archaic Sampi 0372 lowercase Pamphylian digamma и 0377 И uppercase Pamphylian Digamma 0376 03F8 lowercase Bactrian sho 03F7 Þ Bactrian uppercase Sho ó combining acute accent: used as Greek combining acute accent (ὀξεῖα) and combining 0301 (modern) τόνος spacing (modern) τόνος; do not confuse with ', 0374, numeral sign (δεξιὰ κεραία) 0384 1FFD spacing acute accent (ὀξεῖα); do not confuse with ', 0374, numeral sign (δεξιὰ κεραία) 0300 ò combining grave accent: used as Greek combining grave accent (βαρεῖα) 1FEF spacing grave accent (βαρεῖα) combining circumflex accent (περισπωμένη) ô 0342 1FCo spacing circumflex accent (περισπωμένη) combining comma above: used as combining smooth breathing (ψιλή) ć 0313 spacing smooth breathing (ψιλή); do not confuse with ', 2019, apostrophe, or with 02BC, 1FBF modifier letter apostrophe (IPA ejective), or with ', 1FBD, spacing κορωνίς combining κορωνίς, used rarely (limited to cases of crasis, like κάγώ): a smooth breathing ΄, 0343 े 0313, is normally used instead spacing κορωνίς; do not confuse with ', 2019, apostrophe, or with 02BC, modifier letter 1FBD apostrophe (IPA ejective), or with ', 1FBF, spacing smooth breathing (ψιλή) ် combining reversed comma above: used as combining rough breathing (δασεῖα) 0314 1FFE spacing rough breathing (δασεία); do not confuse with ', 02BD, modifier letter reversed comma (weak aspiration), or with ', 201B, single high-reversed-9 quotation mark, or with ',

```
2018, left single quotation mark
1FCE
                spacing ψιλή and ὀξεῖα
                spacing δασεία and ὀξεία
1FDE
                spacing ψιλή and βαρεῖα
1FCD
                spacing δασεία and βαρεία
1FDD
1FCF
                spacing ψιλή and περισπωμένη
                spacing δασεία and περισπωμένη
1FDF
                spacing διαλυτικά and περισπωμένη
1FC1
                combining διαλυτικά τόνος: its use is discouraged, use ö 0308 plus ó 0301 instead
       Ő
0344
1DC1
                Greek combining dotted acute accent; used as editorial sign to indicate scribal deletion of
                erroneous accent mark
0385
                spacing διαλυτικά and τόνος
1FEE
                spacing διαλυτικά and ὀξεῖα
        ./.
                dotted ὀβελός
2E13
1DCo
       ैं
                Greek combining dotted grave accent; used as editorial sign to indicate scribal deletion of
                erroneous accent mark
1FED
                spacing διαλυτικά and βαρεῖα
                Greek high dot (ἄνω τελεία); middle dot · (00B7) is now the preferred character
0387
                semicolon; also used as the Greek question mark
003B
037E
                Greek question mark: its use is now discouraged, use the semicolon (003B) instead
                numeral sign, δεξιὰ κεραία; in the Milesian numeral system, put to the right of letters
0374
                representing numbers; do not confuse with ', 0384, the spacing (modern) τόνος, or with ',
                1FFD, the spacing acute accent (ὀξεῖα)
                lower numeral sign, ἀριστερὰ κεραία; in the Milesian numeral system, put to the left of
0375
                letters representing thousands
                ancient Greek ἀστερίσκος
203B
                five dot punctuation; Greek πεντόγκιον; quincunx
2059
        ::
                combining double breve below: used to mark synizesis, as in Πηληϊάδεω; set between the
035C
        QQ.
                two characters to be tied together
                the EN dash is used for metrical long; also for ancient Greek \delta\beta\epsilon\lambda\delta\varsigma; do not confuse with –,
2013
                10191, Roman uncia sign
                metrical breve
23D1
23D2
                metrical long over short
       \overline{\phantom{a}}
                metrical short over long
23D3
                metrical long over two shorts
23D4
23D5
                metrical two shorts over long
       \overline{\phantom{a}}
                metrical two shorts joined
23D6
                metrical triseme
23D7
23D8
                metrical tetraseme
       ш
23D9
                metrical pentaseme
       )
                Attic 1/4 (epigraphy)
10140
                Attic 1/2 (epigraphy)
10141
                Attic one drachma (epigraphy)
10142
                Attic 1 (this OpenType glyph variant is accessed in Stylistic Set 03)
0399
       Г
                Attic 5 (epigraphy)
10143
       Δ
                Attic 10 (this OpenType glyph variant is accessed in Stylistic Set 03)
0394
       Н
                Attic 100 (uppercase Heta; this OpenType glyph variant is accessed in Stylistic Set 03)
0370
                Attic 100 (uppercase Eta; this OpenType glyph variant is accessed in Stylistic Set 03)
       Н
0397
```

```
Attic 1,000 (this OpenType glyph variant is accessed in Stylistic Set 03)
03A7
       X
       Μ
               Attic 10,000 (this OpenType glyph variant is accessed in Stylistic Set 03)
039C
       Δ
               Attic 50 (epigraphy)
10144
       H
               Attic 500 (epigraphy)
10145
       XI
               Attic 5,000 (epigraphy)
10146
               Attic 50,000 (epigraphy)
10147
       T
               Attic 5 talents (epigraphy)
10148
               Attic 10 talents (epigraphy)
       Δ
10149
1014A 📮
               Attic 50 talents (epigraphy)
               Attic 100 talents (epigraphy)
1014B
      Н
1014C
               Attic 500 talents (epigraphy)
1014D X
               Attic 1,000 talents (epigraphy)
       귉
               Attic 5,000 talents (epigraphy)
1014E
1014F
       ٤١
               Attic 5 staters (epigraphy)
               character variant
       S
               (with three-bar sigma) use Stylistic Set 04
10150
       Ş
               Attic 10 staters (epigraphy)
               character variant
               (with three-bar sigma) use Stylistic Set 04
       Ş
       δĮ
               Attic 50 staters (epigraphy)
10151
               character variant
       ۵
               (with three-bar sigma) use Stylistic Set 04
               Attic 100 staters (epigraphy)
10152
       Σ
               character variant
               (with three-bar sigma) use Stylistic Set 04
       5
               Attic 500 staters (epigraphy)
       H
10153
               character variant
       Ą
               (with three-bar sigma) use Stylistic Set 04
       Ž
               Attic 1,000 staters (epigraphy)
10154
               character variant
               (with three-bar sigma) use Stylistic Set 04
       X
               Attic 10,000 staters (epigraphy)
       M
10155
               character variant
               (with three-bar sigma) use Stylistic Set 04
       M
10156
       M
               Attic 50,000 staters (epigraphy)
               character variant
       M
               (with three-bar sigma) use Stylistic Set 04
               Attic 10 mnas (epigraphy)
       Δ
10157
10158
       П
               Heraeum 1 plethron (epigraphy)
10159
       Þ
               Thespian 1 (epigraphy)
1015A
               Hermionian 1 (epigraphy)
               Epidaurean 2 (epigraphy); do not confuse with :, 205A, two dot punctuation
1015B
               Thespian 2 (epigraphy)
1015C
       Cyrenaic 2 drachmas (epigraphy)
1015D
               Epidaurean 2 drachmas (epigraphy)
1015E
1015F
       ₹
               Troezenian 5 (epigraphy)
       3
               Troezenian 10 (epigraphy)
10160
       X
               Troezenian 10, alternate form (epigraphy)
10161
```

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10162
               Hermionian 10 (epigraphy)
       \Lambda
       \uparrow
               Messenian 10 (epigraphy)
10163
10164
       Ð
               Thespian 10 (epigraphy)
10165
       Ð
               Thespian 30 (epigraphy)
10166
       Ш
               Troezenian 50 (epigraphy)
       31
10167
               Troezenian 50, alternate form (epigraphy)
       Ν
                Hermionian 50 (epigraphy)
10168
       Æ
               Thespian 50 (epigraphy)
10169
       Æ
               Thespian 100 (epigraphy)
1016A
1016B
       ΤE
               Thespian 300 (epigraphy)
1016C
       r
               Epidaurean 500 (epigraphy)
1016D
       Ш
               Troezenian 500 (epigraphy)
       ΠE
               Thespian 500 (epigraphy)
1016E
       Ы
1016F
                Carystian 500 (epigraphy)
       \mathbb{H}
               Naxian 500 (epigraphy)
10170
        Ψ
               Thespian 1,000 (epigraphy)
10171
10172
       \nabla
               Thespian 5,000 (epigraphy)
       Π
                Delphic 5 mnas (epigraphy)
10173
                Stratian 50 mnas (epigraphy)
10174
       M
2EoE
                editorial χορωνίς; indicates the end of a section or of a poem in a papyrus
                character variants:
       5
               use InDesign's Glyphs palette
               use InDesign's Glyphs palette
2EoF
                παράγραφος; marks a break in the text
                forked παράγραφος; similar in function to παράγραφος
2E10
                reversed forked παράγραφος
2E11
                ύποδιαστολή; mark used in papyri to divide words from one another
2E12
                downwards ancora
2E14
       1
2E15
       T
               upwards ancora
       ∻
                διπλή περιεστιγμένη; dotted right-pointing angle
2E16
                one half sign (papyri)
       7
10175
               year sign (papyri)
       (
10179
                one half sign, alternate form (papyri)
10176
                two thirds sign (papyri)
10177
       ω
10178
       a
                three quarters sign (papyri)
                talent sign (papyri)
1017A
       \overline{\Lambda}
                drachma sign (papyri)
1017B
       <
                obol sign (papyri)
1017C
               two obols sign (papyri)
1017D
1017E
                three obols sign (papyri)
1017F
               four obols sign (papyri)
               five obols sign (papyri)
10180
       F
               metretes sign (papyri)
10181
       K
               kyathos base sign (papyri)
10182
               litra sign (papyri)
10183
       s
                ounkia sign (papyri)
10184
       \mathbf{F}
       ξ
               xestes sign (papyri)
10185
10186
               artabe sign (papyri)
```

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10187
       Ն
               aroura sign (papyri)
10188
       Ιŧ
               gramma sign (papyri)
               tryblion base sign (papyri)
10189
               zero sign (papyri)
1018A ⊶
Cyrillic
0430
       a
0410
       A
       б
                (the italic alternate form \delta is available through InDesign's Glyphs palette)
0431
       Б
0411
0432
       В
       В
0412
                (the italic alternate form \bar{\iota} is available through InDesign's Glyphs palette)
       Г
0433
       Γ
0413
       ľ
0491
       Ц
0490
       ŕ
0453
       ŕ
0403
                (the italic alternate form g is available through InDesign's Glyphs palette)
0434
       Д
       Д
0414
       ħ
0452
       Ъ
0402
       e
0435
       è
0450
       ë
0451
       E
0415
       È
0400
       Ë
0401
       \epsilon
0454
       \epsilon
0404
0436
       ж
       Ж
0416
0437
       3
       3
0417
       S
0455
       S
0405
0438
       И
       И
0418
045D
       ѝ
       Й
040D
0456
       i
0406
       I
       ï
0457
       Ϊ
0407
       й
0439
       Й
0419
0458
       j
0408
       J
043A
       К
```

```
041A
       К
045C
       ќ
040C
       Ŕ
043B
       Л
041B
       Л
0459
       љ
0409
       Љ
043C
       M
041C
       M
043D
       Н
041D
       Η
045A
       њ
040A
       Њ
2116
       N_0
               Numero sign
043E
       o
041E
       O
043F
       П
               (the italic alternate form \bar{u} is available through InDesign's Glyphs palette)
041F
       П
0440
       p
0420
       P
       c
0441
       \mathsf{C}
0421
       Т
               (the italic alternate form \bar{u} is available through InDesign's Glyphs palette)
0442
       T
0422
       ħ
045B
       Ћ
040B
0443
       y
0423
       У
045E
       ÿ
040E
       ф
0444
       Φ
0424
       X
0445
       X
0425
0446
       Ц
0426
       Ц
0447
       ч
       Ч
0427
045F
       Ų
040F
       Ц
0448
       Ш
       Ш
0428
0449
       Щ
0429
       Щ
044A
       ъ
042A
       Ъ
044B
       ы
042B
       Ы
```

```
044C
       Ь
042C
      Ь
0463
       Ъ
0462
       Ъ
044D
042D
       Э
044E
       Ю
042E
       Ю
044F
       Я
042F
       Я
0473
       Θ
       9
0472
0475
       V
       V
0474
            combining cyrillic psili pneumata; used to compose egyptological yod: i and I plus \mathring{\circ} gives
0486
       ੇ
            i and I
```