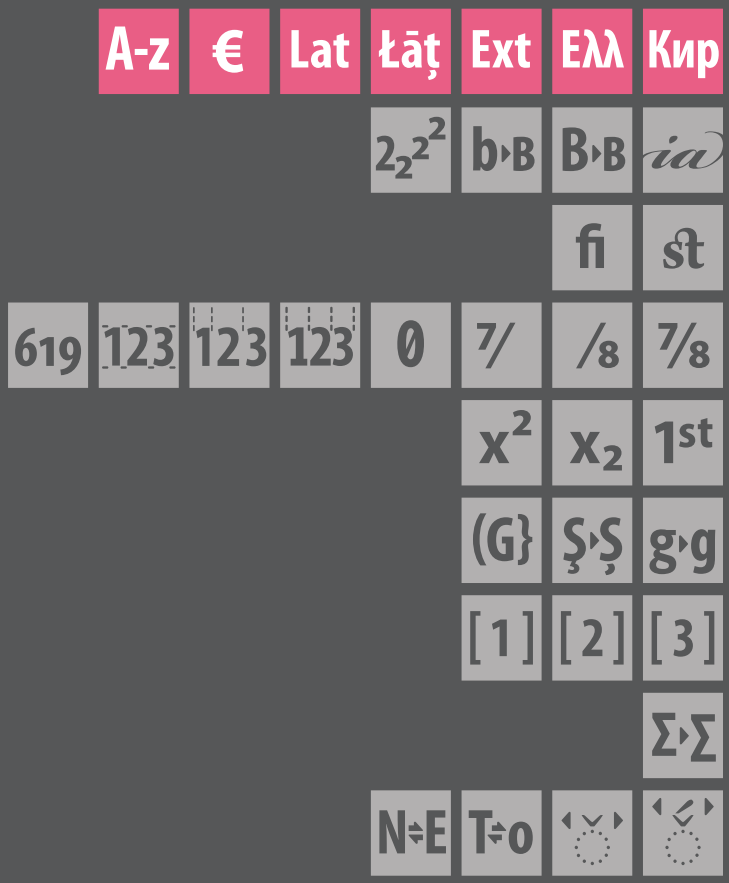
Fira Sans UltraLight Italic

Technical Documentation



Carrois Corporate & Edenspiekermann AG

Copyright © 2015 by Carrois Type Design

No part of this publication may be reproduced, stored in a retrieval system, or transmittet, in any form or by any means, electronic, mecanical, photocopying, recording or otherwise, without the prior written consent of the publisher.
This publication and the information herein is furnished AS IS, is subject to change without notice, and should not be constured as a commitment by Carrois Type Design. Carrois Type Design assumes no resposibility for any errors or inaccuracies, makes no warranty of any kind (express, implied or statutory) with respect to this publication, and expressly disclaims any and all warranties of merchantability, fitness for particular purposes and noninfringement of third party rights.
Brand or product names, used in this publication, are the trademarks or registered trademarks of their respective holders.

For questions and comments please contact:

Carrois Type Design GbR
Simplonstr. 54
10245 Berlin
Germany
Tel.: +49 (30) 920 389 66
e-Mail: post@carrois.com
Internet: www.carrois.com

Document generated 2015/05/26-17:36:23
with e-font PDF Generator

Table of Content

Encoded Characters 5
- Basic Latin 5
- Latin-1 Supplement 5
- Latin Extended-A 6
- Latin Extended-B 6
- IPA Extensions 7
- Spacing Modifier Letters 8
- Combining Diacritical Marks 8
- Greek and Coptic 8
- Cyrillic 9
- Cyrillic Supplement 10
- Phonetic Extensions 10
- Phonetic Extensions Supplement 10
- Combining Diacritical Marks Supplement 10
- Latin Extended Additional 11
- Greek Extended 11
- General Punctuation 12
- Superscripts and Subscripts 13
- Currency Symbols 13
- Letterlike Symbols 13
- Number Forms 13
- Arrows 13
- Mathematical Operators 13
- Miscellaneous Technical 14
- Geometric Shapes 14
- Dingbats 14
- Miscellaneous Symbols and Arrows 14
- Latin Extended-C 14
- Latin Extended-D 14
- unassigned Block 15
- Private Use Area 15
- Alphabetic Presentation Forms 15
- Arabic Presentation Forms-B 15

Unencoded Glyphs 16
- Small Capitals From Capitals 16
- Small Capitals From Capitals, Contextual Alternates, Small Capitals 16
- Small Capitals From Capitals, Small Capitals 16
- Contextual Alternates, Stylistic Set 3 18
- Case-Sensitive Forms 19
- Discretionary Ligatures 19
- Denominators 19
- Denominators, Fractions 19
- Fractions, Numerators 19
- Localized Forms 19
- Numerators 20
- Old Style Figures, Proportional Figures 20
- Old Style Figures, Tabular Figures 20
- Stylistic Alternates, Stylistic Set 1 20
- Small Capitals 20
- Stylistic Set 2 21
- Tabular Figures 21
- Slashed Zero 21
- Other 21

OpenType Layout Features 22

Substitution Features 22
Positioning Features 24
Codepages 25
MacOS 25
MS Windows 25
ISO 25
Languages 26
Latin 26
Cyrillic 26
Greek 27

Encoded Characters

All encoded characters should be accessible with every unicode capable application.
For details about Unicode Blocks visist the Unicode Website.

Basic Latin

Block from 0000 to 007F

Latin-1 Supplement

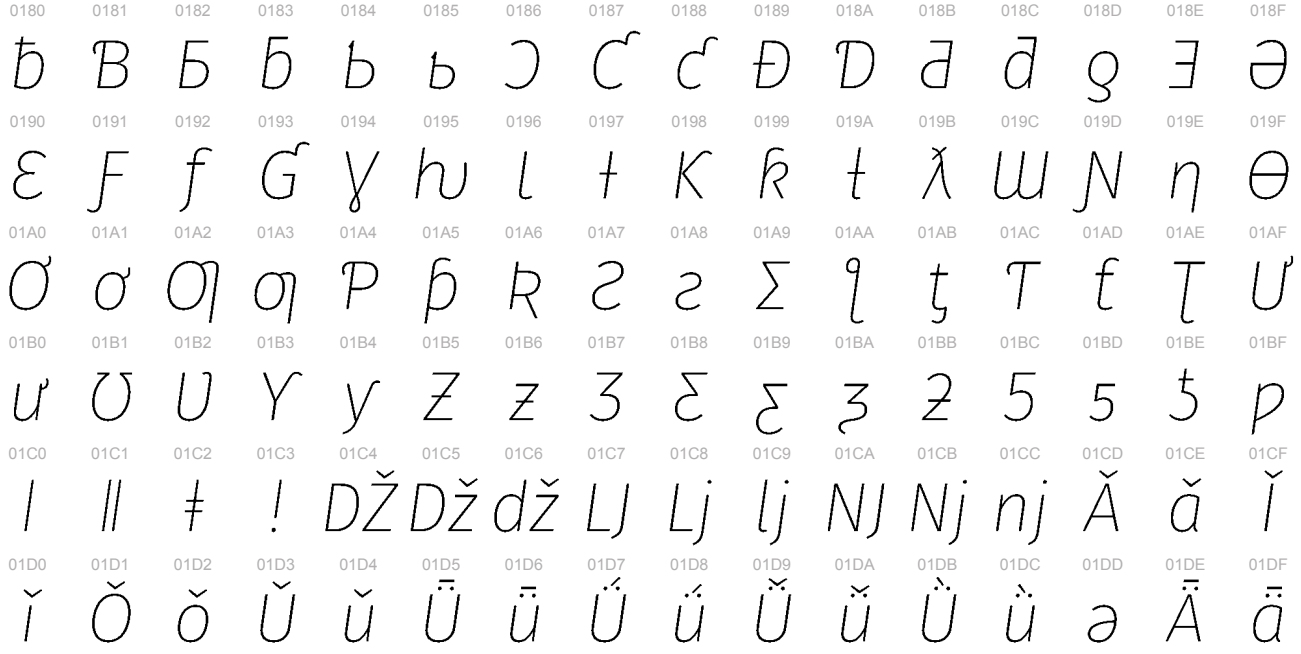
Block from 0080 to 00FF

Latin Extended-A

Block from 0100 to 017F

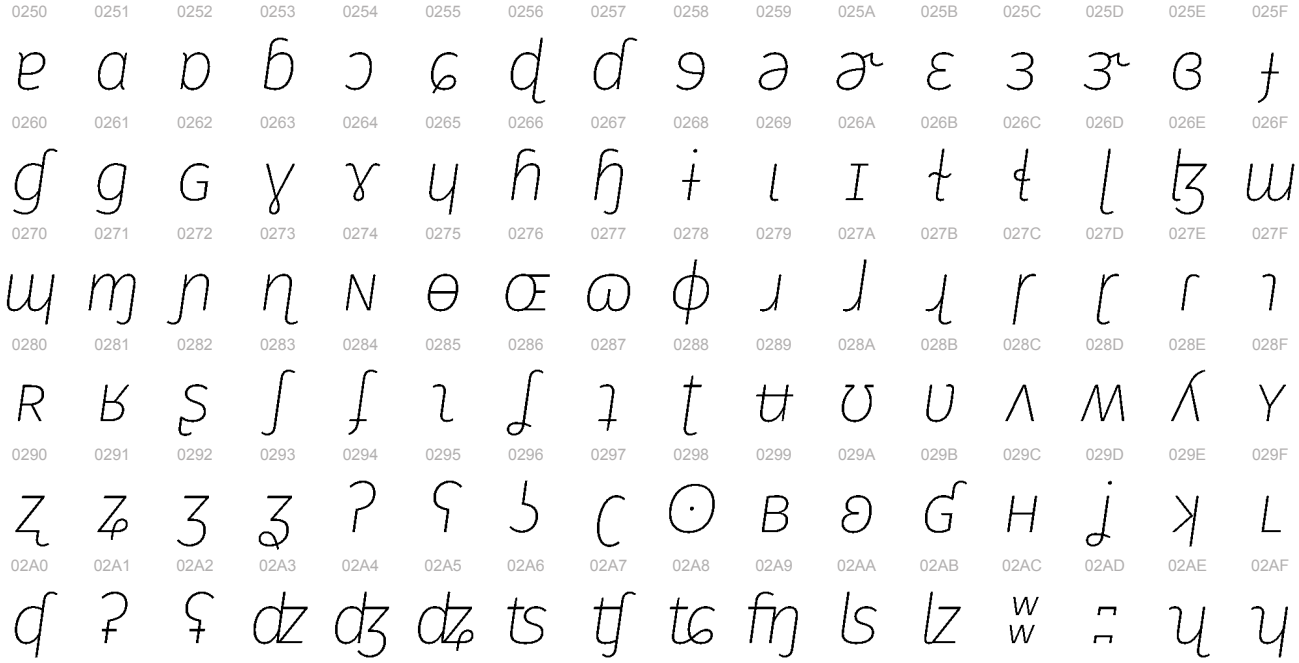
Latin Extended-B

Block from 0180 to 024F



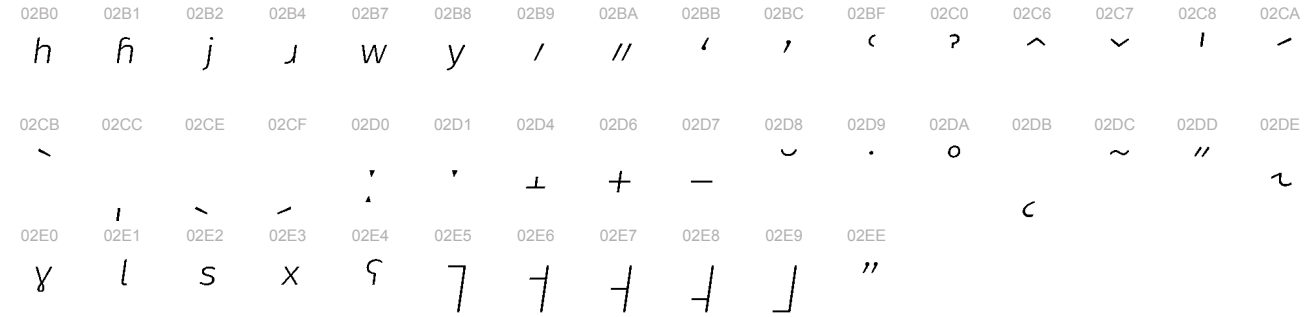
IPA Extensions

Block from 0250 to 02AF



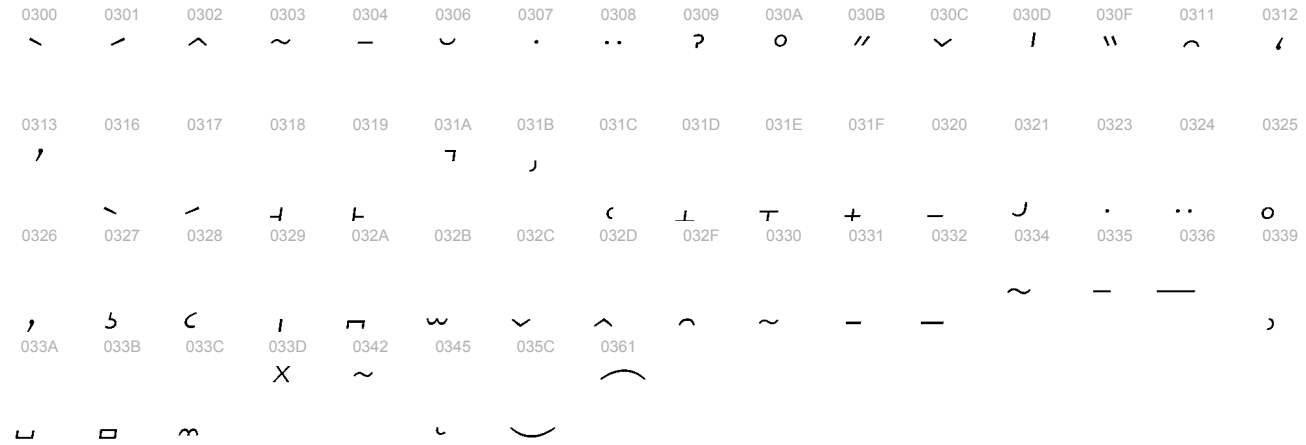
Spacing Modifier Letters

Block from 02B0 to 02FF



Combining Diacritical Marks

Block from 0300 to 036F

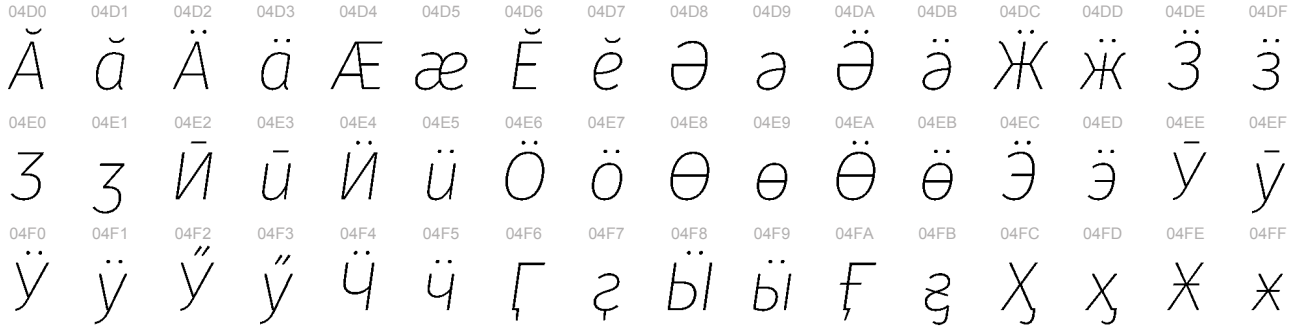


Greek and Coptic

Block from 0370 to 03FF

Cyrillic

Block from 0400 to 04FF

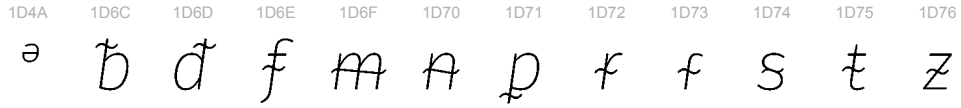


Cyrillic Supplement

Block from 0500 to 052F

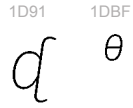
Phonetic Extensions

Block from 1D00 to 1D7F



Phonetic Extensions Supplement

Block from 1D80 to 1DBF

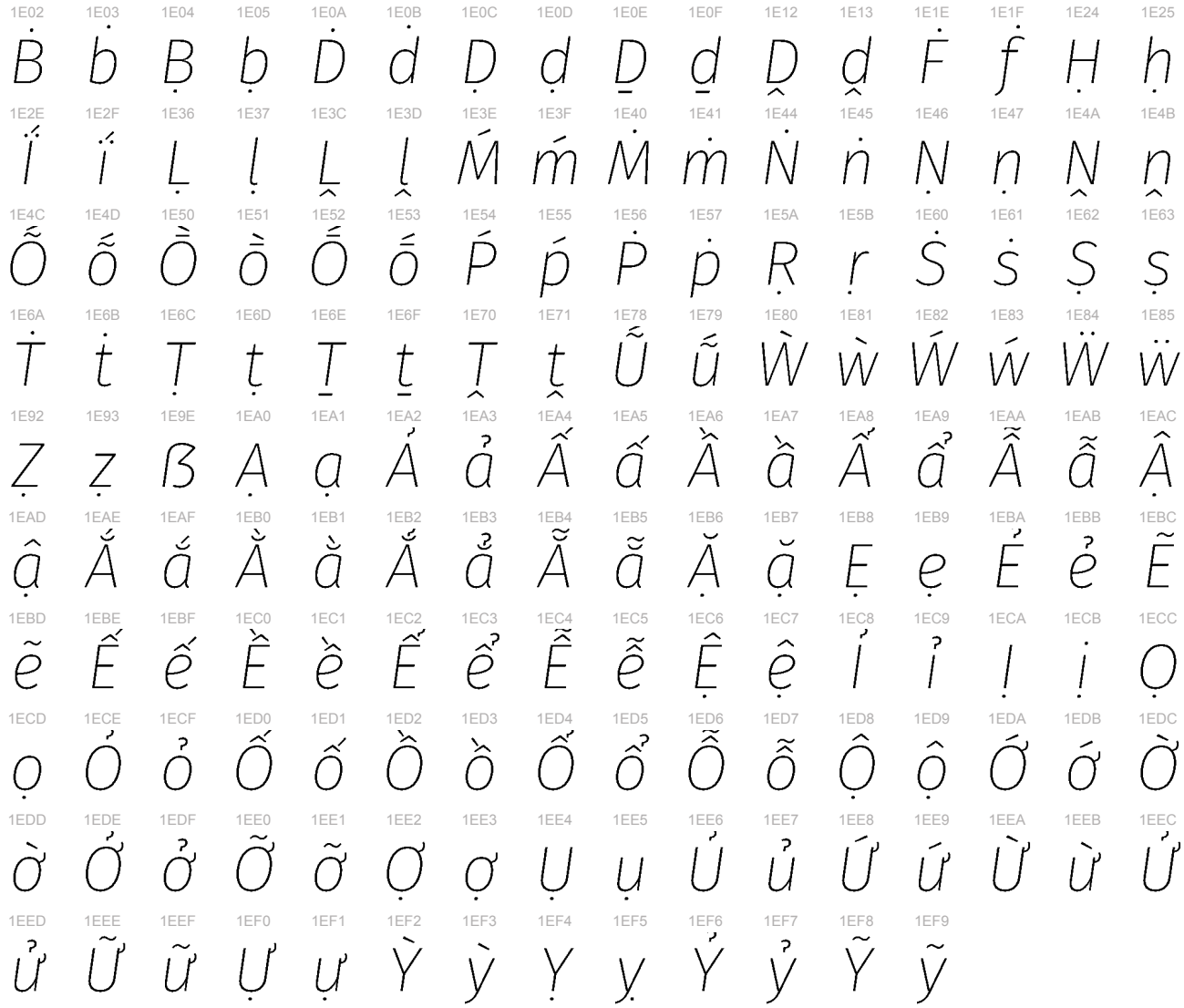


Combining Diacritical Marks Supplement

Block from 1DC0 to 1DFF

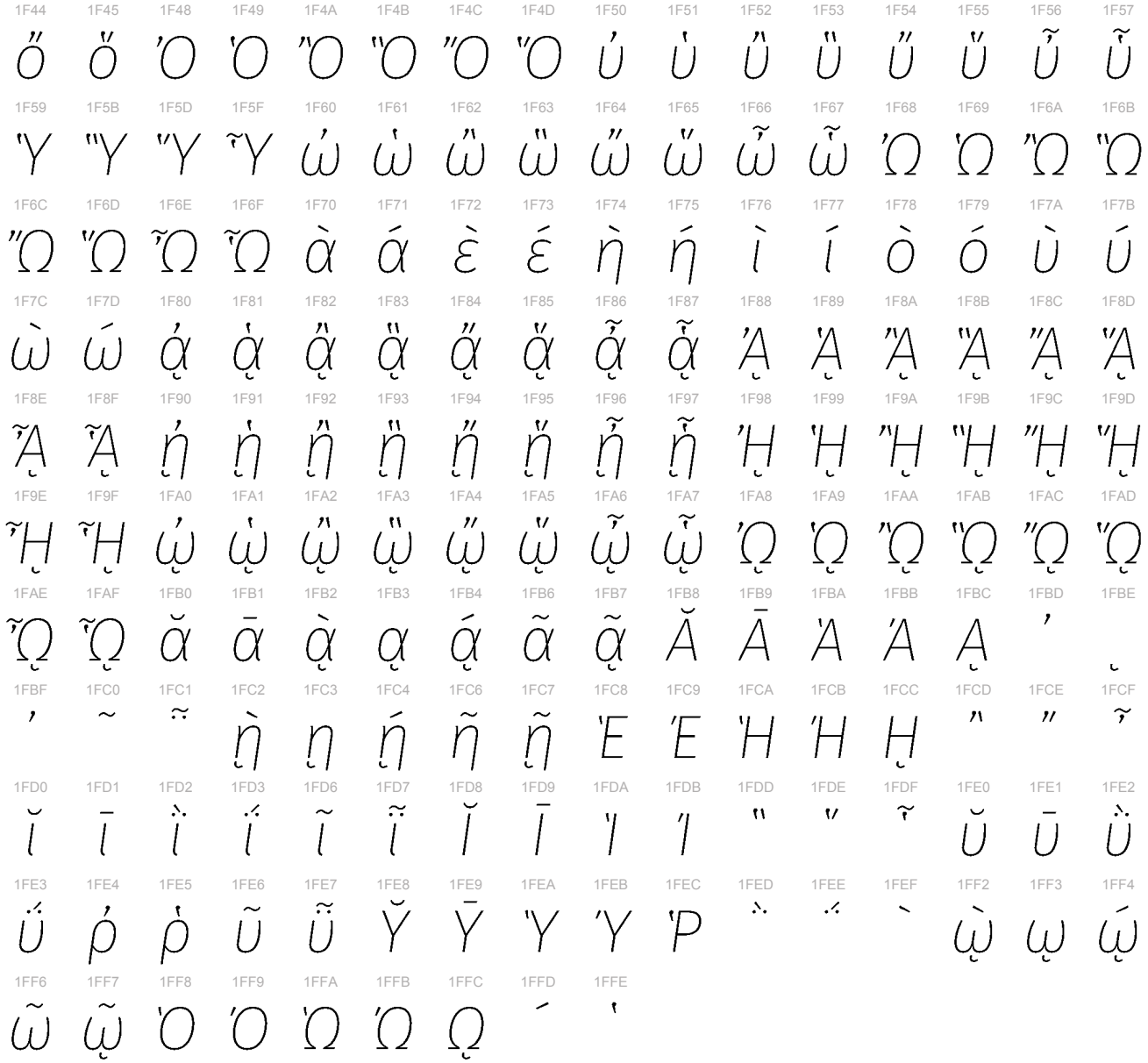
Latin Extended Additional

Block from 1E00 to 1EFF



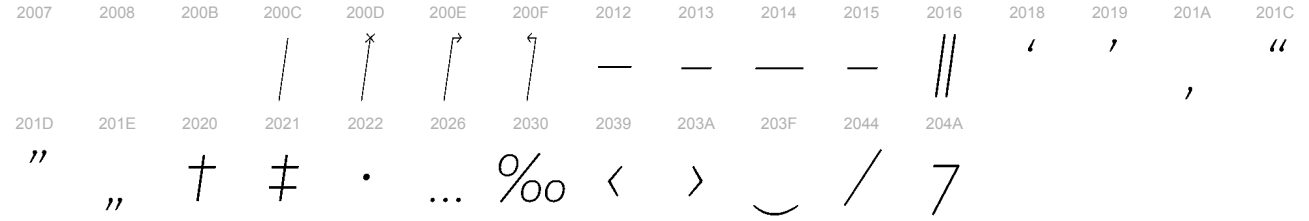
Greek Extended

Block from 1F00 to 1FFF



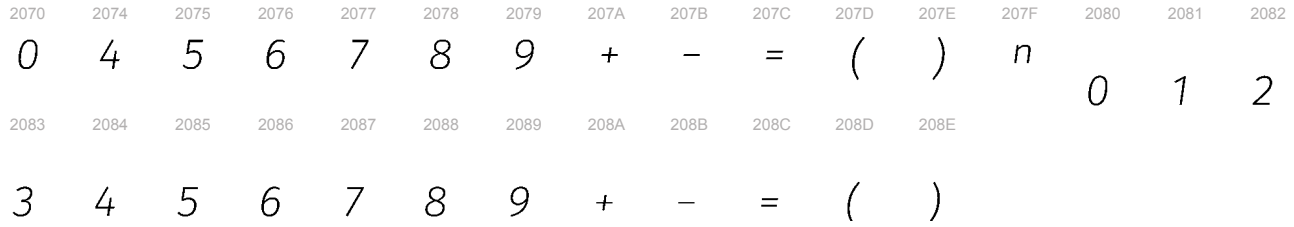
General Punctuation

Block from 2000 to 206F



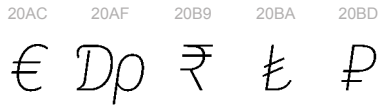
Superscripts and Subscripts

Block from 2070 to 209F



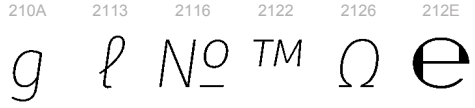
Currency Symbols

Block from 20A0 to 20CF



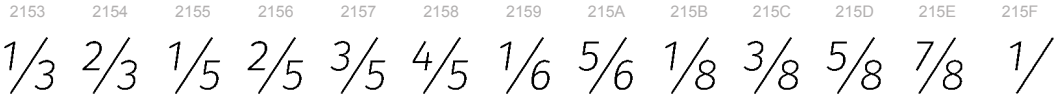
Letterlike Symbols

Block from 2100 to 214F



Number Forms

Block from 2150 to 218F

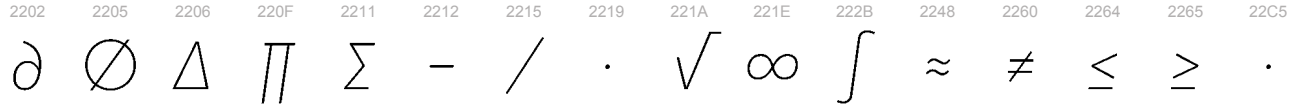


Arrows

Block from 2190 to 21FF

Mathematical Operators

Block from 2200 to 22FF



Miscellaneous Technical

Block from 2300 to 23FF

2326 2327 2328 232B 23CE

Geometric Shapes

Block from 25A0 to 25FF

25AF 25CA

Dingbats

Block from 2700 to 27BF

27A1

Miscellaneous Symbols and Arrows

Block from 2B00 to 2BFF

2B05 2B06 2B07

Latin Extended-C

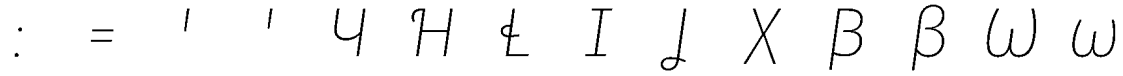
Block from 2C60 to 2C7F

2C64 2C65 2C66 2C6D 2C71 2C72 2C73

Latin Extended-D

Block from A720 to A7FF

A789 A78A A78B A78C A78D A7AA A7AD A7AE A7B2 A7B3 A7B4 A7B5 A7B6 A7B7



unassigned Block

Block from AB30 to ABBF

AB53

ꭓ

Private Use Area

Block from E000 to F8FF

E000 E001 E002 E003

Alphabetic Presentation Forms

Block from FB00 to FB4F

FB01 FB02

ﬁ ﬂ

Arabic Presentation Forms-B

Block from FE70 to FEFF

FEFF

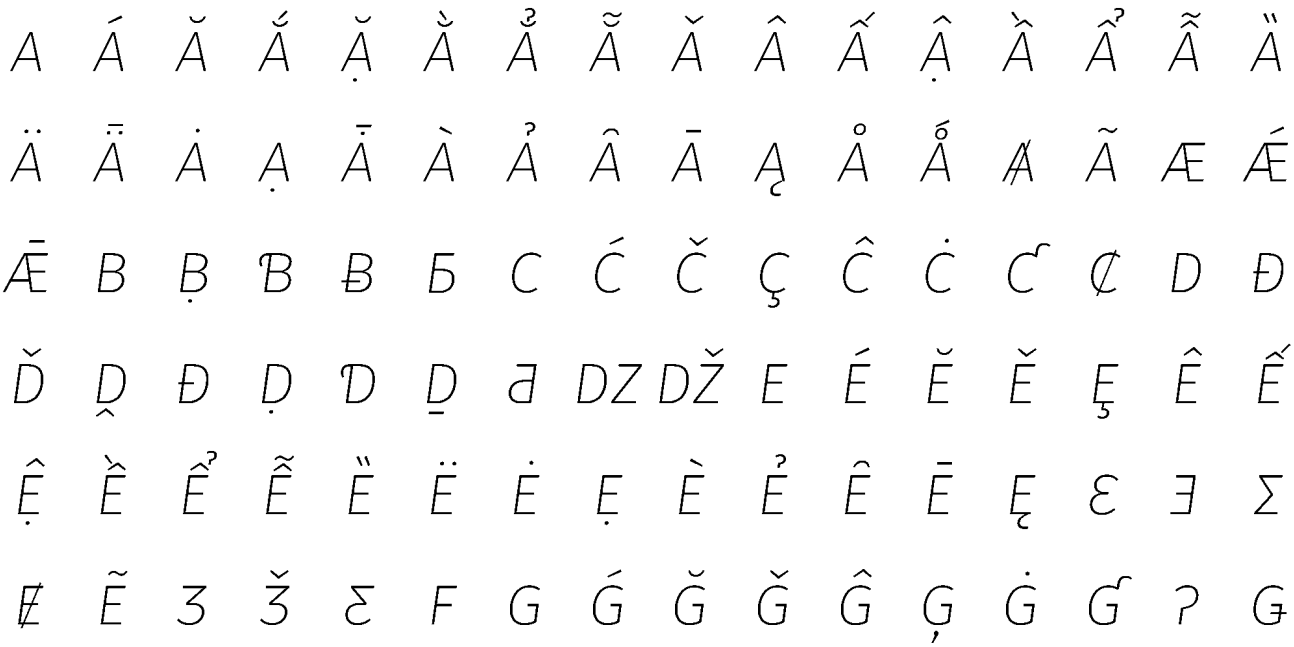
Unencoded Glyphs

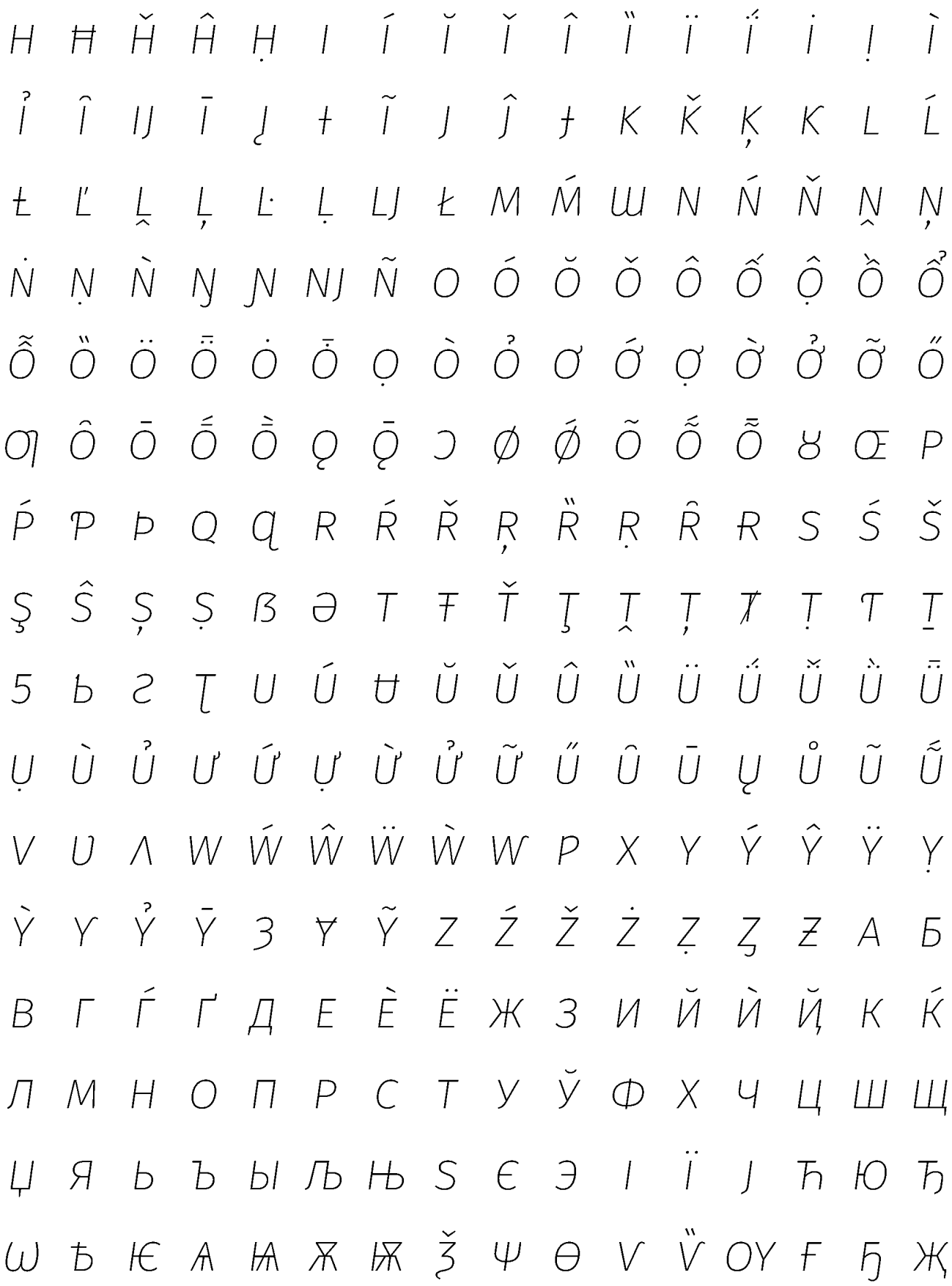
All unencoded glyphs are accessible with OpenType layout feature capable applications.
For a complete list of supported OpenType layout features see the next section.

Small Capitals From Capitals

Small Capitals From Capitals, Contextual Alternates, Small Capitals

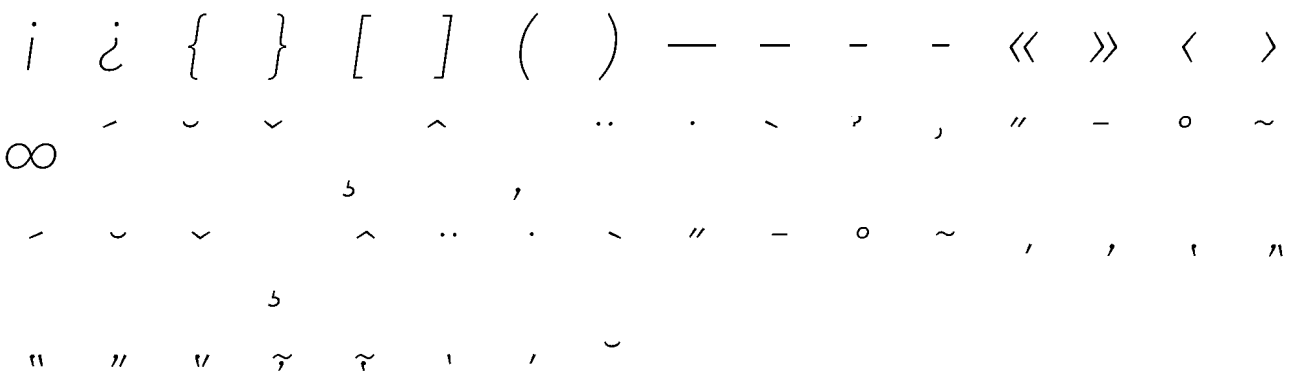
Small Capitals From Capitals, Small Capitals



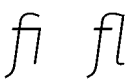


Contextual Alternates, Stylistic Set 3

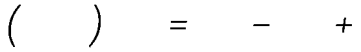
Case-Sensitive Forms



Discretionary Ligatures



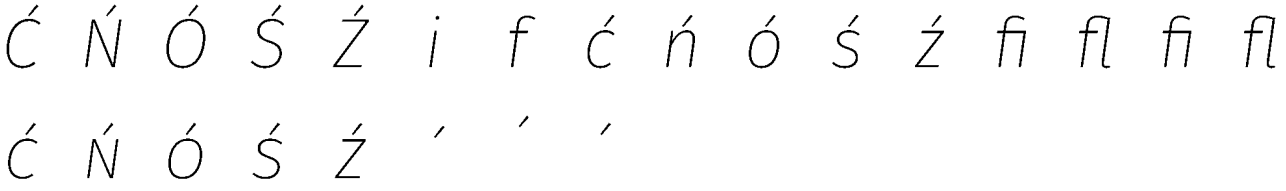
Denominators



Denominators, Fractions

Fractions, Numerators

Localized Forms



Numerators

( ) = - +

Old Style Figures, Proportional Figures

0 1 2 3 4 5 6 7 8 9 # — ¢ ¤ $ Đđ

€ ₺ ₽ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤

¬ − × ≠ ∂ % ‰ + ± ∏ √ ∑ ◊ § ° †

♯

Old Style Figures, Tabular Figures

0 1 2 3 4 5 6 7 8 9 # — ¢ ¤ $ Đđ

€ ₺ ₽ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤

¬ − × ≠ ∂ % ‰ + ± ∏ √ ∑ ◊ § ° †

♯

Stylistic Alternates, Stylistic Set 1

ŋ ſ ſ ſ ſ ŋ ſ

Small Capitals

ɑ Ð ə ﬁ ﬂ ﬁ ﬂ ɪ K N ʀ Σ ï ÿ A H

I I I I Y Y Y Y Ω

Stylistic Set 2

Б Ч ч б

Tabular Figures

0 1 2 3 4 5 6 7 8 9 # – ¢ ¤ $ Đ ρ

€ ₺ ₽ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤

¬ − × ≠ ∂ % ‰ + ± ∏ √ ∑ ◊ § ° †

≠

Slashed Zero

0 0 0 0

Other

OpenType Layout Features

For details about OpenType Layout Features see the OpenType Layout tag registry.

Substitution Features

Access All Alternates

This feature makes all variations of a selected character accessible.

Small Capitals

This feature turns lowercase characters into small capitals. This corresponds to the common SC font layout. It is generally used for display lines set in Large and small caps, such as titles. Forms related to small capitals, such as oldstyle figures, may be included.

Small Capitals From Capitals

This feature turns capital characters into small capitals.

Contextual Alternates

In specified situations, replaces default glyphs with alternate forms which provide better joining behavior.

Standard Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers the ligatures which the designer/manufacturer judges should be used in normal conditions.

Discretionary Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers those ligatures which may be used for special effect, at the user's preference.

Old Style Figures

This feature changes selected figures from the default lining style to oldstyle form.

Lining Figures

This feature changes selected figures from oldstyle to the default lining form.

Proportional Figures

Replaces figure glyphs set on uniform (tabular) widths with corresponding glyphs set on glyph-specific (proportional) widths.

Tabular Figures

Replaces figure glyphs set on proportional widths with corresponding glyphs set on uniform (tabular) widths.

Slashed Zero

Some fonts contain both a default form of zero, and an alternative form which uses a diagonal slash through the counter. This feature allows the user to change from the default 0 to a slashed form.

Numerators

Replaces selected figures which precede a slash with numerator figures, and replaces the typographic slash with the fraction slash.

Denominators

Replaces selected figures which follow a slash with denominator figures.

Fractions

Replaces figures separated by a slash with 'common' (diagonal) fractions.

Superscript

Replaces lining or oldstyle figures with superior figures (primarily for footnote indication), and may replace lowercase letters with superior letters (primarily for abbreviated French titles).

Subscript

The "subs" feature may replace a default glyph with a subscript glypht.

Ordinals

Replaces default alphabetic glyphs with the corresponding ordinal forms for use after figures.

Case-Sensitive Forms

Shifts various punctuation marks up to a position that works better with all-capital sequences or sets of lining figures; also changes oldstyle figures to lining figures.

Localized Forms

This feature enables localized forms of glyphs to be substituted for default forms.

Stylistic Alternates

Many fonts contain alternate glyph designs for a purely esthetic effect; these don't always fit into a clear category like swash or historical. This feature replaces the default forms with the stylistic alternates.

Stylistic Set 1

Glyphs in stylistic sets may be designed to harmonise visually, interract in particular ways, or otherwise work together.

Stylistic Set 2

Stylistic Set 3

Mathematical Greek

Replaces standard typographic forms of Greek glyphs with corresponding forms commonly used in mathematical notation (which are a subset of the Greek alphabet).

Positioning Features

Capital Spacing

Globally adjusts inter-glyph spacing for all-capital text. Most typefaces contain capitals and lowercase characters, and the capitals are positioned to work with the lowercase. When capitals are used for words, they need more space between them for legibility and esthetics.

Kerning

Adjusts amount of space between glyphs, generally to provide optically consistent spacing between glyphs.

Mark Positioning

Positions mark glyphs with respect to base glyphs.

Mark to Mark Positioning

Positions marks with respect to other marks. Required in various non-Latin scripts like Arabic.

Codepages

MacOS

MacOS Central Europe
MacOS Croatian
MacOS Cyrillic
MacOS Greek
MacOS Icelandic
MacOS Roman
MacOS Romanian
MacOS Turkish

MS Windows

MS Windows 1250 Central European
MS Windows 1251 Cyrillic
MS Windows 1252 Western (ANSI)
MS Windows 1253 Greek
MS Windows 1254 Turkish
MS Windows 1257 Baltic

ISO

ISO 8859- 1 Latin 1 (Western)
ISO 8859- 2 Latin 2 (Central Europe)
ISO 8859- 3 Latin 3 (Tu, Malt, Gal, Esp)
ISO 8859- 4 Latin 4 (Baltic)
ISO 8859- 5 Cyrillic
ISO 8859- 7 Greek
ISO 8859- 9 Latin 5 (Turkish)
ISO 8859-10 Latin 6 (Scandinavian)
ISO 8859-13 Latin 7 (Baltic 2)
ISO 8859-14 Latin 8 (Celtic)
ISO 8859-15 Latin 9
ISO 8859-16 Latin 10

Languages

Information about languages is mainly based on the Unicode Common Locale Data Repository. For details visit the Unicode CLDR Project.

Latin

Afar
Afrikaans
Akan
Albanian
Asu
Azerbaijani
Bambara
Basque
Bemba
Bena
Bosnian
Breton
Catalan
Central Morocco Tamazight
Chiga
Colognian
Cornish
Crimean Tatar
Croatian
Czech
Danish
Dutch
Embu
English
Esperanto
Estonian
Ewe
Faroese
Filipino
Finnish
French
Frisian West
Friulian
Fulah
Ga
Galician
Ganda
German
Gusii
Hausa
Hawaiian
Hungarian
Icelandic
Igbo
Indonesian
Interlingua
Irish
Italian
Jju
Kabuverdianu
Kabyle
Kalaallisut
Kalenjin
Kamba
Kikuyu
Kinyarwanda
Koro
Koyra Chiini
Koyraboro Senni
Kpelle
Kurdish
Langi
Latvian
Lingala
Lithuanian
Low German
Luo
Luyia
Machame
Makonde
Malagasy
Malay
Maltese
Manx
Maori
Masai
Meru
Moldavian
Morisyen
Nama
North Ndebele
Norwegian Bokmål
Norwegian Nynorsk
Nyanja
Nyankole
Occitan
Oromo
Polish
Portuguese
Romanian
Romansh
Rombo
Rwa
Saho
Samburu
Sami Northern
Sango
Sena
Serbian
Shambala
Shona
Sidamo
Slovak
Slovenian
Soga
Somali
Sorbian, Lower
Sorbian, Upper
Sotho, Northern
Sotho, Southern
South Ndebele
Spanish
Swahili
Swati
Swedish
Swiss German
Tachelhit
Taita
Taroko
Teso
Tonga
Tsonga
Tswana
Turkish
Tyap
Venda
Vietnamese
Vunjo
Welsh
Wolof
Xhosa
Yoruba
Zulu

Cyrillic

Azerbaijani
Bashkir
Belarusian
Bulgarian
Buriat
Chechen
Kazakh
Kirghiz
Macedonian
Mari
Mongolian
Russian
Serbian
Tajik
Tatar
Uighur
Ukrainian
Uzbek

Greek

Greek