

OpenType font Libertinus

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Abstract

The font family Libertinus is derived from the Linux Libertine and enhanced with a math font by Khaled Hosny.

Thanks to:
Khaled Hosny;
Nelson Posse Lago;

1 The default setting

The font package `libertinus-fonts` installs the following OpenType fonts:

```
LibertinusSerif-Regular.otf
LibertinusSerif-Bold.otf
LibertinusSerif-Italic.otf
LibertinusSerif-BoldItalic.otf
LibertinusSerif-Semibold.otf
LibertinusSerif-SemiboldItalic.otf
-----
LibertinusSans-Regular.otf
LibertinusSans-Bold.otf
LibertinusSans-Italic.otf
-----
LibertinusKeyboard-Regular.otf
LibertinusSerifDisplay-Regular.otf
LibertinusSerifInitials-Regular.otf
-----
LibertinusMono-Regular.otf
-----
LibertinusMath-Regular.otf
-----
```

With the package `libertinus-otf` the serif, sans, mono, and the math fonts are set as usual. With the optional argument `nomath` there will be no loading of package `unicode-math` and no math font setting.

```
\RequirePackage{unicode-math}
\setmainfont{LibertinusSerif}[
  RawFeature      = {\libertinus@figurealign;\libertinus@figurestyle},
  Scale           = \libertinusRM@scale ,
  UprightFont     = *-Regular,
  ItalicFont      = *-Italic,
  ItalicFeatures  = { SmallCapsFont = *-Italic },
  SlantedFont     = *-Regular,
  SlantedFeatures = {FakeSlant=0.2},
  BoldFont        = *-\libertinus@boldstyle,
  BoldFeatures    = { SmallCapsFont = *-\libertinus@boldstyle },
  BoldItalicFont  = *-\libertinus@boldstyle Italic,
  BoldItalicFeatures = { SmallCapsFont = *-\libertinus@boldstyle Italic },
  BoldSlantedFont = *-\libertinus@boldstyle,
  BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\libertinus@boldstyle },
  SmallCapsFont   = *-Regular,
  SmallCapsFeatures={RawFeature=+smcp},
  Extension       = .otf
]
\newfontfamily\LibertinusSerifSB{LibertinusSerif}[
  RawFeature      = {\libertinus@figurealign;\libertinus@figurestyle},
  Scale           = \libertinusRM@scale,
  UprightFont     = *-Regular,
```

```

ItalicFont      = *-Italic,
ItalicFeatures = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-Semibold,
BoldFeatures    = { SmallCapsFont = *-Semibold },
BoldItalicFont  = *-SemiboldItalic,
BoldItalicFeatures = { SmallCapsFont = *-SemiboldItalic },
BoldSlantedFont= *-Semibold,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Semibold },
SmallCapsFont   = *-Regular,
SmallCapsFeatures={RawFeature+=smcp},
Extension       = .otf
]
\newfontfamily\LibertinusSerifOsF{LibertinusSerif}[
RawFeature      = {+onum},
Scale           = \libertinusRM@scale ,
UprightFont     = *-Regular,
ItalicFont      = *-Italic,
ItalicFeatures  = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-\\libertinus@boldstyle,
BoldFeatures    = { SmallCapsFont = *-\\libertinus@boldstyle },
BoldItalicFont  = *-\\libertinus@boldstyle Italic,
BoldItalicFeatures = { SmallCapsFont = *-\\libertinus@boldstyle Italic },
BoldSlantedFont= *-\\libertinus@boldstyle,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\\libertinus@boldstyle },
SmallCapsFont   = *-Regular,
SmallCapsFeatures={RawFeature+=smcp},
Extension       = .otf
]
\newfontfamily\LibertinusSerifTLF{LibertinusSerif}[
RawFeature      = {+tnum;-onum},
Scale           = \libertinusRM@scale ,
UprightFont     = *-Regular,
ItalicFont      = *-Italic,
ItalicFeatures  = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-\\libertinus@boldstyle,
BoldFeatures    = { SmallCapsFont = *-\\libertinus@boldstyle },
BoldItalicFont  = *-\\libertinus@boldstyle Italic,
BoldItalicFeatures = { SmallCapsFont = *-\\libertinus@boldstyle Italic },
BoldSlantedFont= *-\\libertinus@boldstyle,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\\libertinus@boldstyle },
SmallCapsFont   = *-Regular,
SmallCapsFeatures={RawFeature+=smcp},
Extension       = .otf

```

```

]
\setsansfont{LibertinusSans}[
  Extension      = .otf,
  RawFeature     = {\libertinus@figurealign;\libertinus@figurestyle} ,
  Scale          = \libertinusSF@scale ,
  UprightFont    = *-Regular,
  ItalicFont     = *-Italic,
  ItalicFeatures = { SmallCapsFont = *-Italic },
  SlantedFont    = *-Regular,
  SlantedFeatures= {FakeSlant=0.2},
  BoldFont       = *-Bold,
  BoldFeatures   = { SmallCapsFont = *-Bold },
  BoldItalicFont = *-Italic,
  BoldItalicFeatures = {RawFeature={embolden=3}},
  BoldSlantedFont= *-Bold,
  BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
  SmallCapsFont  = *-Regular,
  SmallCapsFeatures={RawFeature=+smcp},
]
\newfontfamily\LibertinusSansOsF{LibertinusSans}[
  RawFeature     = {+onum;+pnum},
  Scale          = \libertinusSF@scale ,
  UprightFont    = *-Regular,
  ItalicFont     = *-Italic,
  ItalicFeatures = { SmallCapsFont = *-Italic },
  SlantedFont    = *-Regular,
  SlantedFeatures= {FakeSlant=0.2},
  BoldFont       = *-Bold,
  BoldFeatures   = { SmallCapsFont = *-Bold },
  BoldItalicFont = *-Italic,
  BoldItalicFeatures = {RawFeature={embolden=3}},
  BoldSlantedFont= *-Bold,
  BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
  SmallCapsFont  = *-Regular,
  SmallCapsFeatures={RawFeature=+smcp},
  Extension      = .otf
]
\newfontfamily\LibertinusSansTLF{LibertinusSans}[
  RawFeature     = {+lnum;-onum;+tnum} ,
  Scale          = \libertinusSF@scale ,
  UprightFont    = *-Regular,
  ItalicFont     = *-Italic,
  ItalicFeatures = { SmallCapsFont = *-Italic },
  SlantedFont    = *-Regular,
  SlantedFeatures= {FakeSlant=0.2},
  BoldFont       = *-Bold,
  BoldFeatures   = { SmallCapsFont = *-Bold },
  BoldItalicFont = *-Italic,
  BoldItalicFeatures = {RawFeature={embolden=3}},

```

```

    BoldSlantedFont= *-Bold,
    BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
    SmallCapsFont = *-Regular,
    SmallCapsFeatures={RawFeature=+smcp},
    Extension      = .otf
]
\iflibertinus@mono
\setmonofont{LibertinusMono}[
    RawFeature    = {\libertinus@figurealign; \libertinus@figurestyle},
    Scale         = \libertinusTT@scale,
    FakeStretch   = 0.8,
    UprightFont   = *-Regular,
    ItalicFont    = *-Regular,
    ItalicFeatures = {FakeSlant=0.2},
    SlantedFont   = *-Regular,
    SlantedFeatures={FakeSlant=0.2},
    BoldFont      = *-Regular,
    BoldFeatures  = {RawFeature={embolden=3}},
    BoldItalicFont = *-Regular,
    BoldItalicFeatures={FakeSlant=0.2,RawFeature={embolden=3}},
    Extension     = .otf,
]

\iflibertinus@nomath\else
\typeout{*****^^J%
    * Using libertinus math          *^^J%
    *****}%
\setmathfont{LibertinusMath-Regular.otf}[BoldFont=LibertinusMath-Bold.otf]
\setmathfont[version=bold,RawFeature={embolden=3}]{LibertinusMath-Regular.otf}
\fi

\newfontfamily\LibertinusKeyboard{libertinuskeyboard-regular.otf}
\newfontfamily\LibertinusDisplay{libertinusserifdisplay-regular.otf}
\newfontfamily\LibertinusInitials{libertinusserifinitials-regular.otf}

```

Theorem 1 (Residue Theorem). Let f be analytic in the region G except for the isolated singularities a_1, a_2, \dots, a_m . If γ is a closed rectifiable curve in G which does not pass through any of the points a_k and if $\gamma \approx 0$ in G then

$$\operatorname{Res}_{z=a} f(z) = \operatorname{Res}_a f = \frac{1}{2\pi i} \int_C f(z) dz,$$

where $C \subset D \setminus \{a\}$ is a closed line $n(C, a) = 1$ (e. g. a counterclockwise circle loop).

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ααββcδdδeεεfζξgγhñiijklλmnηθθoσςφφϕρρρqrσττπυμνvwωω

$xyz^\infty \propto \mathcal{O}y = f(x)$

$$\Sigma \int \Pi \Pi \int \Sigma \Sigma_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

ΑΑΛΔ∇ΒCΔΣΕFΓHΙJΚLΜNΟΘΩΡΦΠΞQΡSΤU∇WΧΥΥΨΖ ABCDabcd1234

ααββcδdδeεεfζξgγhñiijklλmnηθθoσςφφϕρρρqrσττπυμνvwωω

$xyz^\infty \propto \mathcal{O}y = f(x)$

$$\Sigma \int \Pi \Pi \int \Sigma \Sigma_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

1.1 The serif font

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesar-
sarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje
cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy od-
jechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię
Taka Albo tace Usta pęk ucha.

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Usta pęk ucha.*

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sarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliw-
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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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1.2 The sans serif font

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Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarских znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrzęb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŻNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
itshape
scshape

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŻNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR

bfseries
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PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŻNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIÉM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
slshape
scspape

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŻNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIÉM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

bfseries
slshape
scspape

1.3 The mono font

If you do not like the monofont, you can use the package option `mono=false`, then no mono font is defined and the default Latin Modern Mono will be used unless no one other will be defined. However, by default the package loads the Libertinus Mono font:

```
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß' '?' ) (/ & % $ % '! ° QWERTZUIOPÜ* ' ÄÖLKJHGFDSA>YXCVBNM; ; _  
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß' '?' ) (/ & % $ % '! ° QWERTZUIOPÜ* ' ÄÖLKJHGFDSA>YXCVBNM; ; _  
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß' '?' ) (/ & % $ % '! ° QWERTZUIOPÜ* ' ÄÖLKJHGFDSA>YXCVBNM; ; _  
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß' '?' ) (/ & % $ % '! ° QWERTZUIOPÜ* ' ÄÖLKJHGFDSA>YXCVBNM; ; _
```

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarских znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

mdseries
upright

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarских znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

bfseries
upright

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarских znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

mdseries
slshape

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarских znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

bfseries
slshape

2 Features

2.1 Serif fonts

```
otfinfo —features LibertinusSerif-Regular.otf
c2sc    Small Capitals From Capitals
calt    Contextual Alternates
case    Case-Sensitive Forms
ccmp    Glyph Composition/Decomposition
cpasp   Capital Spacing
dlig    Discretionary Ligatures
frac    Fractions
hlig    Historical Ligatures
kern    Kerning
liga    Standard Ligatures
lnum    Lining Figures
mark    Mark Positioning
mkmk    Mark to Mark Positioning
onum    Oldstyle Figures
pnum    Proportional Figures
salt    Stylistic Alternates
sinf    Scientific Inferiors
smcp    Small Capitals
ss01    Stylistic Set 1
ss02    Stylistic Set 2
ss03    Stylistic Set 3
ss04    Stylistic Set 4
ss05    Stylistic Set 5
ss06    Stylistic Set 6
ss07    Stylistic Set 7
subs    Subscript
sup     Superscript
tnum    Tabular Figures
zero    Slashed Zero
```

2.2 Sans Serif fonts

```
otfinfo —features LibertinusSans-Regular.otf
c2sc    Small Capitals From Capitals
calt    Contextual Alternates
case    Case-Sensitive Forms
ccmp    Glyph Composition/Decomposition
cpasp   Capital Spacing
dlig    Discretionary Ligatures
frac    Fractions
hlig    Historical Ligatures
kern    Kerning
liga    Standard Ligatures
lnum    Lining Figures
mark    Mark Positioning
onum    Oldstyle Figures
pnum    Proportional Figures
salt    Stylistic Alternates
sinf    Scientific Inferiors
```

smcp	Small Capitals
ss01	Stylistic Set 1
ss03	Stylistic Set 3
ss04	Stylistic Set 4
ss06	Stylistic Set 6
ss07	Stylistic Set 7
subs	Subscript
sup	Superscript
tnum	Tabular Figures
zero	Slashed Zero

3 Package options

Possible optional arguments are

oldstyle, osf	old-style figures
lining, nf, lf	lining figures (default)
proportional, p	varying-width figures
tabular, t	fixed-width figures (default)
semibold, sb	semibold version
bold	bold version (default)
ScaleRM	scaling for the serif font, preset to 1
ScaleSF	scaling for the sans serif font, preset to 1
ScaleTT	scaling for the mono font, preset to MatchLowercase
defaultfeatures	valid for all fonts

```
\usepackage[osf]{libertinus-otf}
```

```
0000111122223333444455556666777788889999\par abcdefghijklmn
```

0000111122223333444455556666777788889999
abcdefghijklmn

```
\usepackage[lining]{libertinus-otf}
```

```
0000111122223333444455556666777788889999\par abcdefghijklmn
```

0000111122223333444455556666777788889999
abcdefghijklmn

```
\usepackage[t=false]{libertinus-otf}
```

```
0000111122223333444455556666777788889999\par
\addfontfeatures{RawFeature+=tnum}%
0000111122223333444455556666777788889999
```

0000111122223333444455556666777788889999
0000111122223333444455556666777788889999

```
\usepackage[p]{libertinus-otf}
```

```
0000111122223333444455556666777788889999\par
\addfontfeatures{RawFeature=—pnum}%
0000111122223333444455556666777788889999
```

```
0000111122223333444455556666777788889999
0000111122223333444455556666777788889999
```

4 Features

4.1 Capitals to Small Caps

The macro `\Lctosc{arg}` is for a local change of *arg* and `\LctoSC+` and `\LctoSC-` for a global change of capitals to small caps.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}
```

```
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosc{Libertinus Font ŒŸÉÄÄ Кириллица}\\
\LctoSC+ Libertinus Font ŒŸÉÄÄ Кириллица

\sffamily\LctoSC-
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosc{Libertinus Font ŒŸÉÄÄ Кириллица}\\
\LctoSC+ Libertinus Font ŒŸÉÄÄ Кириллица
```

```
Libertinus Font ŒŸÉÄÄ Кириллица libertinus font őŸÉÄÄ Кириллица
libertinus font őŸÉÄÄ Кириллица
Libertinus Font ŒŸÉÄÄ Кириллица libertinus font őŸÉÄÄ Кириллица
libertinus font őŸÉÄÄ Кириллица
```

4.2 Capitals to Small Caps and small capitals

The macro `\Lctosmcp{arg}` is for a local change of *arg* and `\LctoSMCP+` and `\LctoSMCP-` for a global change of capitals to small caps.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}
```

```
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosmcp{Libertinus Font ŒŸÉÄÄ Кириллица}\\
\LctoSMCP+ Libertinus Font ŒŸÉÄÄ Кириллица

\sffamily\LctoSMCP-
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosmcp{Libertinus Font ŒŸÉÄÄ Кириллица}\\
\LctoSMCP+ Libertinus Font ŒŸÉÄÄ Кириллица
```

```
Libertinus Font ŒŸÉÄÄ Кириллица LIBERTINUS FONT őŸÉÄÄ Кириллица
LIBERTINUS FONT őŸÉÄÄ Кириллица
Libertinus Font ŒŸÉÄÄ Кириллица LIBERTINUS FONT őŸÉÄÄ Кириллица
LIBERTINUS FONT őŸÉÄÄ Кириллица
```

4.3 Ligatures

The macros `\Lliga{arg}` (standard ligatures), `\Lhlig{arg}` (historical ligatures), `\Ldlig{arg}` (discretionary ligatures) are for a local change of *arg* and `\LLIGA+/\LLIGA-`, `\LHLIG+/\LHLIG-`, and `\LDLIG+/\LDIG-` for a global change of capitals to small caps relative to the current group.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}
```

```
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
```

```
\LLIGA-
```

```
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
```

```
ct, st \qqquad \LHLIG+ ct, st \LHLIG-
```

```
Th, tt, tz, ck, ch \qqquad \LDLIG+ Th, tt, tz, ck, ch \LDLIG-
```

```
\sffamily \LLIGA+ % Default
```

```
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
```

```
\LLIGA-
```

```
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
```

```
ct, st \qqquad \LHLIG+ ct, st \LHLIG-
```

```
Th, tt, tz, ck, ch \qqquad \LDLIG+ Th, tt, tz, ck, ch \LDLIG-
```

fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
ct, st ct, st
Th, tt, tz, ck, ch Th, tt, tz, ck, ch
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
ct, st ct, st
Th, tt, tz, ck, ch Th, tt, tz, ck, ch

4.4 Case sensitive Forms

The macro `\Lcase{arg}` is for a local change of *arg* and `\LCASE+` and `\LCASE-` for a global change of case sensitive forms.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}
```

```
iCANTÁ! ¿CUÁNTOS? L1234567890L--\
```

```
\textcolor{red}{\Lcase{iCANTÁ! ¿CUÁNTOS? L1234567890L--}}
```

```
\makebox[0pt][l]{iCANTÁ! ¿CUÁNTOS? L1234567890L--}%
```

```
\textcolor{red}{\Lcase{iCANTÁ! ¿CUÁNTOS? L1234567890L--}}
```

```
\sffamily
```

```
iCANTÁ! ¿CUÁNTOS? L1234567890L--\
```

```
\textcolor{red}{\Lcase{iCANTÁ! ¿CUÁNTOS? L1234567890L-}}
```

¡CANTÁ! ¿CUÁNTOS? L1234567890L-
¡CANTÁ! ¿CUÁNTOS? L1234567890L-
¡CANTÁ! ¿CUÁNTOS? L1234567890L-
¡CANTÁ! ¿CUÁNTOS? L1234567890L-
¡CANTÁ! ¿CUÁNTOS? L1234567890L-
¡CANTÁ! ¿CUÁNTOS? L1234567890L-

4.5 Capital spacing, uppercase kerning

```
\usepackage{libertinus-otf}
\usepackage{xcolor}
```

```
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.\
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\makebox[0pt][l]{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}%
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\sffamily
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.\
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\makebox[0pt][l]{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}%
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}
```

IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.

4.6 Stylistic Alternates

The macro `\Lsalt{arg}` is for a local change of *arg* and `\LSALT+` and `\LSALT-` for the alternate characters.

```
\usepackage{libertinus-otf}
```

$\beta\kappa\eta$ $\beta\backslash\text{Salt}\{\}$ ha LSALT+ $\beta\kappa\eta$ LSALT– $\beta\kappa\eta$

sffamily

$\beta\kappa\eta$ $\beta\backslash\text{Salt}\{\}$ ha LSALT+ $\beta\kappa\eta$ LSALT– $\beta\kappa\eta$

&J̣θκφha	&J̣θιφha	⌘J̣θιφha	&J̣θκφha
&J̣θκφha	&J̣θιφha	⌘J̣θιφha	&J̣θκφha

4.7 Stylistic Sets

There is a short command `\Lssxx{text}` for the seven stylistic sets, where `xx` is the number of the set (two digits) and *text* the local argument:

```
\usepackage{libertinus-otf}
```

$$\begin{aligned} \text{\AA}, \text{\AA}, \text{\AA} &\rightarrow \text{\AA}, \text{\AA}, \text{\AA} \quad J, K, R \rightarrow J, K, R \quad \square, \text{\textsc{B}} \rightarrow \text{\textsc{B}}, \text{\textsc{B}} \quad \square \rightarrow \square \quad W \rightarrow W \quad \& \rightarrow \& \quad \eta \rightarrow \eta \end{aligned}$$

\sfffamily

$$\begin{aligned} \text{\AA}, \text{\AA}, \text{\AA} &\rightarrow \text{\AA}, \text{\AA}, \text{\AA} \quad \text{\AA}, \text{\AA}, \text{\AA} \rightarrow \text{\AA}, \text{\AA}, \text{\AA} \quad \text{\AA}, \text{\AA}, \text{\AA} \rightarrow \text{\AA}, \text{\AA}, \text{\AA} \\ \text{\AA}, \text{\AA}, \text{\AA} &\rightarrow \text{\AA}, \text{\AA}, \text{\AA} \quad \text{\AA}, \text{\AA}, \text{\AA} \rightarrow \text{\AA}, \text{\AA}, \text{\AA} \quad \text{\AA}, \text{\AA}, \text{\AA} \rightarrow \text{\AA}, \text{\AA}, \text{\AA} \end{aligned}$$
$$\begin{array}{cccccccc} \ddot{A}, \ddot{E}, \ddot{O} \rightarrow \dot{A}, \dot{E}, \dot{O} & J, K, R \rightarrow \dot{J}, \dot{K}, \dot{R} & \beta, \beta, \beta \rightarrow ss, SS, ss & \beta \rightarrow SS & W \rightarrow W & \& \rightarrow \& & \eta \rightarrow N \\ \ddot{A}, \ddot{E}, \ddot{O} \rightarrow \dot{A}, \dot{E}, \dot{O} & \beta, \beta, \beta \rightarrow ss, SS, ss & \beta \rightarrow SS & \& \rightarrow \& & \eta \rightarrow N & & \end{array}$$

For a global change of the stylistic set one can use the command `\LSSxx`, where `xx` is again the number of the set.

```
\usepackage{libertinus-otf}
```

ÄÖ \LSS01 ÄÖ

ÄËÖ ÄËÖ

```
\usepackage{libertinus-otf}
```

JKR \LSS02 JKR

JKR JKR

```
\usepackage{libertinus-otf}
```

$$\{\beta \setminus \text{LSS03 } \beta\} \sqsubseteq \setminus \text{LSS04 } \sqsubseteq$$
$$\beta_{ss} \beta_{SS}$$

```
\usepackage{libertinus-otf}
```

\huge

W {\LSS05 W} \quad \text{Wikipedia}W \quad \text{Wikipedia}

W W W WIKIPEDIA

```
\usepackage{libertinus-otf}
```

`\huge\& {\LSS06 \&}`

`\Land\ \textsf{\Land}`

$\&$	\mathcal{G}
\mathcal{G}	\mathcal{G}

4.8 Fractions

There are two macros: `\frac{arg}` for a local fraction setting and `\LFRAC+` and `\LFRAC-` for a global setting relative to the current group.

```
\usepackage{libertinus-otf}
```

$$\begin{array}{l} \text{L } 1/2 \ 1/3 \ 1/4 \ 1/5 \ 1/6 \ 1/7 \ 1/8 \ 1/9 \ 1/10 \ 5/20 \ 9/1289 \ \backslash \text{par} \\ \text{L } 1/2 \ \backslash \text{frac}\{1/3\} \ 1/4 \ 1/5 \ 1/6 \ 1/7 \ 1/8 \ 1/9 \ 1/10 \ \backslash \text{frac}\{5/1289\} \end{array}$$

\LFAC+

L 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 5/20 9/1289

\LFrac—

L 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 5/20 9/1289

L	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	5/20	9/1289
L	1/2	$\frac{1}{3}$	1/4	1/5	1/6	1/7	1/8	1/9	1/10	$\frac{5}{1289}$	
L	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{9}$	$\frac{1}{10}$	$\frac{5}{20}$	$\frac{9}{1289}$
L	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	5/20	9/1289

4.9 Scientific Inferieurs

```
\usepackage{libertinus-otf}
```

H20, YCbCr, L1234567890abcdefgh

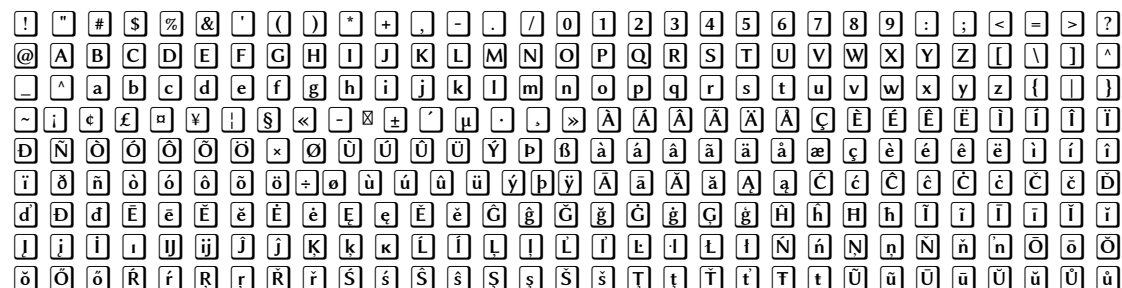
$\backslash\mathrm{Lsinf}\{\mathrm{H2O}\}$, $\backslash\mathrm{Lsinf}\{\mathrm{YCbCr}\}$, $\backslash\mathrm{Lsinf}\{\mathrm{L1234567890abcdefgh}\}$ $\backslash\mathrm{par}\backslash\mathrm{sffamily}$
 $\backslash\mathrm{Lsinf}\{\mathrm{H2O}\}$, $\backslash\mathrm{Lsinf}\{\mathrm{YCbCr}\}$, $\backslash\mathrm{Lsinf}\{\mathrm{L1234567890abcdefgh}\}$

H₂O, YCbCr, L1234567890abcdefgh
H₂O, YCb_CCr, L₁234567890abcdefgh
H₂O, YCb_CCr, L₁234567890abcdefgh

5 Additional fonts

```
\font\LibertinusKeyboard="file:LibertinusKeyboard-Regular.otf"  
\newfontfamily\LibertinusDisplay{libertinusdisplay-regular.otf}  
\newfontfamily\LibertinusInitials{libertinusinitials-regular.otf}
```

5.1 Keyboard font



5.3 Initial font

0 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Å Ä Æ Ç Ö Ø
Û ☒

6 Font commands

Instead of using the command `\fontspec` for changing to a different type of a Libertinus font, one can use a predefined command:

```
\LibertinusSerifSB (SemiBold)
\LibertinusSerifOsF (Old style proportional figures)
\LibertinusSansOsF (Old style proportional figures)
```

```
\usepackage{libertinus}
```

```
The default 0123456
{\bfseries standard bold}
{\LibertinusSerifSB\bfseries SemiBold 0123456}
\LibertinusSerifOsF normal weight 0123456
\LibertinusSansOsF normal weight 0123456
```

The default 0123456 standard bold SemiBold 0123456 normal weight 0123456 normal weight 0123456
--

7 The font list of Libertinus Serif

-1: (.notdef)	-1: (longs_s)	-1: (t.sc)	-1: (aeacute.sc)	-1: (nine.oldstyle)
-1: (otilde.sc)	-1: (abreve.sc)	-1: (u.sc)	-1: (uni0305.700)	-1: (five.oldstyle)
-1: (odieresis.sc)	-1: (racute.sc)	-1: (o.sc)	-1: (uni0305.800)	-1: (germandbls.ss03)
-1: (oe.sc)	-1: (eogonek.sc)	-1: (s.sc)	-1: (uni0332.650)	-1: (four.oldstyle)
-1: (ocircumflex.sc)	-1: (gbreve.sc)	-1: (q.sc)	-1: (uni0332.700)	-1: (five.taboldstyle)
-1: (ograve.sc)	-1: (ncaron.sc)	-1: (r.sc)	-1: (uni0332.750)	-1: (R.alt)
-1: (oacute.sc)	-1: (eng.sc)	-1: (f_f_k)	-1: (uni0332.600)	-1: (c_t)
-1: (ntilde.sc)	-1: (ecaron.sc)	-1: (d.sc)	-1: (uni0332.500)	-1: (two.taboldstyle)
-1: (eth.sc)	-1: (nacute.sc)	-1: (b.sc)	-1: (uni0332.550)	-1: (three.taboldstyle)
-1: (oslash.sc)	-1: (lacute.sc)	-1: (c_k)	-1: (uni0332.450)	-1: (t_t)
-1: (uacute.sc)	-1: (lslash.sc)	-1: (c_h)	-1: (uni0332.400)	-1: (one.taboldstyle)
-1: (thorn.sc)	-1: (t_z)	-1: (zero.slash.fitted)	-1: (uni0332.800)	-1: (h.alt)
-1: (ydieresis.sc)	-1: (x.sc)	-1: (f_t)	-1: (uni0332.900)	-1: (zero.taboldstyle)
-1: (ugrave.sc)	-1: (v.sc)	-1: (f_j)	-1: (uni0332.1100)	-1: (q.sc.u)
-1: (yacute.sc)	-1: (one.oldstyle)	-1: (f_k)	-1: (uni0332.1150)	-1: (p.inferior)
-1: (ucircumflex.sc)	-1: (s_t)	-1: (c.sc)	-1: (uni0332.850)	-1: (r.inferior)
-1: (udieresis.sc)	-1: (one.fitted)	-1: (Q.u)	-1: (uni0332.1050)	-1: (f_f.short)
-1: (ij.sc)	-1: (zero.oldstyle)	-1: (zero.fitted)	-1: (uni0332.950)	-1: (zero.cap)
-1: (idieresis.sc)	-1: (longs_t)	-1: (k.sc)	-1: (uni0332.1000)	-1: (one.cap)
-1: (iacute.sc)	-1: (Yen.fitted)	-1: (a.sc)	-1: (uni0305.750)	-1: (f.short)
-1: (acircumflex.sc)	-1: (f_f_l)	-1: (T_h)	-1: (uni0332.350)	-1: (circumflex.cap)
-1: (atilde.sc)	-1: (f_f_i)	-1: (Euro.fitted)	-1: (uni0332.250)	-1: (breve.cap)
-1: (adieresis.sc)	-1: (two.fitted)	-1: (seven.fitted)	-1: (uni0305.1000)	-1: (acute.cap)
-1: (aacute.sc)	-1: (four.fitted)	-1: (nine.fitted)	-1: (uni0305.1050)	-1: (two.cap)
-1: (z.sc)	-1: (two.oldstyle)	-1: (Adieresis.alt)	-1: (uni0305.1100)	-1: (four.cap)
-1: (agrave.sc)	-1: (three.oldstyle)	-1: (a.scalt)	-1: (uni0305.950)	-1: (eight.cap)
-1: (icircumflex.sc)	-1: (three.fitted)	-1: (germandbls.alt)	-1: (uni0305.850)	-1: (nine.cap)
-1: (aring.sc)	-1: (eight.fitted)	-1: (uni0305.100)	-1: (uni0305.900)	-1: (three.cap)
-1: (ccedilla.sc)	-1: (five.fitted)	-1: (uni0305.150)	-1: (uni0332.300)	-1: (seven.cap)
-1: (edieresis.sc)	-1: (six.fitted)	-1: (uni0305.200)	-1: (uni0305.1150)	-1: (five.cap)
-1: (igrave.sc)	-1: (f_f_h)	-1: (uni0305.50)	-1: (uni0305.1250)	-1: (six.cap)
-1: (ae.sc)	-1: (f_l)	-1: (uni0249.dotless)	-1: (uni0332.150)	-1: (q.inferior)
-1: (ecircumflex.sc)	-1: (f_f)	-1: (uni0268.dotless)	-1: (uni0332.200)	-1: (grave.cap)
-1: (egrave.sc)	-1: (parenright.sc)	-1: (K.alt)	-1: (uni0305.1200)	-1: (idotaccent.sc)
-1: (eacute.sc)	-1: (bracketleft.sc)	-1: (nine.cap.fitted)	-1: (uni0332.100)	-1: (v.inferior)
-1: (y.sc)	-1: (bracketright.sc)	-1: (uni0305.250)	-1: (uni0305.1300)	-1: (w.inferior)
-1: (germandbls.scalt)	-1: (parenleft.sc)	-1: (uni0305.350)	-1: (uni0332.50)	-1: (y.inferior)
-1: (ampersand.alt)	-1: (Odieresis.alt)	-1: (uni0305.550)	-1: (longs_h)	-1: (u.inferior)
-1: (uring.sc)	-1: (Udieresis.alt)	-1: (uni0305.600)	-1: (uni0431.ital)	-1: (s.inferior)
-1: (uhungarumlaut.sc)	-1: (f_i)	-1: (uni0305.300)	-1: (W.alt)	-1: (t.inferior)
-1: (zacute.sc)	-1: (braceleft.sc)	-1: (uni0305.500)	-1: (b.inferior)	-1: (y.alt)
-1: (tbar.sc)	-1: (exclamdown.sc)	-1: (uni0305.400)	-1: (c.inferior)	-1: (z.inferior)
-1: (scaron.sc)	-1: (guillemotleft.sc)	-1: (uni0305.450)	-1: (d.inferior)	-1: (longs_i)
-1: (uni0163.sc)	-1: (guillemotright.sc)	-1: (uni0305.650)	-1: (hyphen.cap)	-1: (uni021B.sc)
-1: (scedilla.sc)	-1: (braceright.sc)	-1: (eight.cap.fitted)	-1: (nine.taboldstyle)	-1: (uni0219.sc)
-1: (sacute.sc)	-1: (guillemotright.sc)	-1: (six.cap.fitted)	-1: (uni1E9E.alt)	-1: (J.alt)
-1: (zdotaccent.sc)	-1: (questiondown.sc)	-1: (longs_j)	-1: (eight.taboldstyle)	-1: (longs_l)
-1: (lcaron.sc)	-1: (guillemotleft.sc)	-1: (longs_long_s_j)	-1: (seven.taboldstyle)	-1: (longs_long_s_i)
-1: (zero.slash)	-1: (w.sc)	-1: (longs_long_s_l)	-1: (f.inferior)	-1: (longs_long_s_i)
-1: (germandbls.sc)	-1: (f_f_j)	-1: (Eng.UCStyle.sc)	-1: (h.inferior)	-1: (uni0332.1200)
-1: (zcaron.sc)	-1: (f_h)	-1: (uni01E3.sc)	-1: (l.inferior)	-1: (uni0332.1250)
-1: (q.superior)	-1: (j.sc)	-1: (Eng.UCStyle)	-1: (m.inferior)	32: (space)
-1: (dcroat.sc)	-1: (l.sc)	-1: (seven.cap.fitted)	-1: (g.inferior)	33: ! (exclam)
-1: (tcaron.sc)	-1: (m.sc)	-1: (zero.slash.cap)	-1: (k.inferior)	34: ” (quotedbl)
-1: (hyphen.sc)	-1: (i.sc)	-1: (zero.cap.fitted)	-1: (i.inferior)	35: # (numbersign)
-1: (rcaron.sc)	-1: (g.sc)	-1: (four.cap.fitted)	-1: (j.inferior)	36: \$ (dollar)
-1: (ohungarumlaut.sc)	-1: (h.sc)	-1: (five.cap.fitted)	-1: (n.inferior)	37: % (percent)
-1: (cacute.sc)	-1: (f.sc)	-1: (zero.slash.cap.fitted)	-1: (six.taboldstyle)	38: & (ampersand)
-1: (ccaron.sc)	-1: (e.sc)	-1: (three.cap.fitted)	-1: (four.taboldstyle)	39: ’ (quotesingle)
-1: (dcaron.sc)	-1: (n.sc)	-1: (one.cap.fitted)	-1: (six.oldstyle)	40: ((parenleft)
-1: (aogonek.sc)	-1: (p.sc)	-1: (two.cap.fitted)	-1: (seven.oldstyle)	41:) (parenright)

42: *	(asterisk)	105: i	(i)	201: É	(Eacute)	264: Ć	(Ccircumflex)	327: Ñ	(Ncaron)
43: +	(plus)	106: j	(j)	202: Ê	(Ecircumflex)	265: Ĉ	(ccircumflex)	328: ě	(ncaron)
44: ,	(comma)	107: k	(k)	203: Ě	(Edieresis)	266: Č	(Cdotaccent)	329: ħ	(napostrophe)
45: -	(hyphen)	108: l	(l)	204: Ĭ	(Igrave)	267: ċ	(cdotaccent)	330: Ŋ	(Eng)
46: .	(period)	109: m	(m)	205: Í	(Iacute)	268: Č	(Ccaron)	331: ŋ	(eng)
47: /	(slash)	110: n	(n)	206: Ī	(Icircumflex)	269: ě	(ccaron)	332: Ō	(Omacron)
48: 0	(zero)	111: o	(o)	207: Ĳ	(Idieresis)	270: Ď	(Dcaron)	333: ō	(omacron)
49: 1	(one)	112: p	(p)	208: Ð	(Eth)	271: ě	(dcaron)	334: Ȯ	(Obreve)
50: 2	(two)	113: q	(q)	209: Ñ	(Ntilde)	272: Ð	(Dcroat)	335: ȯ	(obreve)
51: 3	(three)	114: r	(r)	210: Ŏ	(Ograve)	273: đ	(dcroat)	336: Ű	(Ohungarumlaut)
52: 4	(four)	115: s	(s)	211: Ō	(Oacute)	274: Ē	(Emacron)	337: ő	(ohungarumlaut)
53: 5	(five)	116: t	(t)	212: Ő	(Ocircumflex)	275: ē	(emacron)	338: Œ	(OE)
54: 6	(six)	117: u	(u)	213: Ȯ	(Otilde)	276: Ě	(Ebreve)	339: œ	(oe)
55: 7	(seven)	118: v	(v)	214: Ȫ	(Odieresis)	277: ě	(ebreve)	340: Ŕ	(Racute)
56: 8	(eight)	119: w	(w)	215: ×	(multiply)	278: Ė	(Edotaccent)	341: ř	(racute)
57: 9	(nine)	120: x	(x)	216: Ø	(Oslash)	279: ě	(edotaccent)	342: Ŗ	(uni0156)
58: :	(colon)	121: y	(y)	217: Ũ	(Ugrave)	280: Ě	(Eogonek)	343: ŗ	(uni0157)
59: ;	(semicolon)	122: z	(z)	218: Ú	(Uacute)	281: ě	(eogonek)	344: Ŗ	(Rcaron)
60: <	(less)	123: {	(braceleft)	219: Ū	(Ucircumflex)	282: Ě	(Ecaron)	345: ŕ	(rcaron)
61: =	(equal)	124:	(bar)	220: Ü	(Udieresis)	283: ě	(ecaron)	346: Š	(Sacute)
62: >	(greater)	125: }	(braceright)	221: Ý	(Yacute)	284: Ğ	(Gcircumflex)	347: š	(sacute)
63: ?	(question)	126: ~	(asciitilde)	222: Þ	(Thorn)	285: ğ	(gcircumflex)	348: Š	(Scircumflex)
64: @	(at)	160: (uni00A0)		223: ß	(germandbls)	286: Ğ	(Gbreve)	349: š	(scircumflex)
65: A	(A)	161: ¡	(exclamdown)	224: à	(agrave)	287: ğ	(gbreve)	350: Š	(Scedilla)
66: B	(B)	162: ¢	(cent)	225: á	(aacute)	288: Ğ	(Gdotaccent)	351: š	(scedilla)
67: C	(C)	163: £	(sterling)	226: â	(acircumflex)	289: ğ	(gdotaccent)	352: Š	(Scaron)
68: D	(D)	164: ¤	(currency)	227: ã	(atilde)	290: Ğ	(uni0122)	353: š	(scaron)
69: E	(E)	165: ¥	(yen)	228: ä	(adieresis)	291: ğ	(uni0123)	354: Ț	(uni0162)
70: F	(F)	166: ¤	(brokenbar)	229: å	(aring)	292: Ĥ	(Hcircumflex)	355: ț	(uni0163)
71: G	(G)	167: §	(section)	230: æ	(ae)	293: ĥ	(hcircumflex)	356: Ț	(Tcaron)
72: H	(H)	168: ¨	(dieresis)	231: ç	(cedilla)	294: H	(Hbar)	357: ț	(tcaron)
73: I	(I)	169: ©	(copyright)	232: è	(egrave)	295: ĥ	(hbar)	358: Ț	(Tbar)
74: J	(J)	170: ª	(ordfeminine)	233: é	(eacute)	296: Î	(Itilde)	359: ț	(tbar)
75: K	(K)	171: «	(guillemotleft)	234: ê	(ecircumflex)	297: ï	(itilde)	360: Ū	(Utilde)
76: L	(L)	172: ¬	(logicalnot)	235: ë	(edieresis)	298: Ī	(Imacron)	361: ū	(utilde)
77: M	(M)	173: (uni00AD)		236: ì	(igrave)	299: Ĭ	(imacron)	362: Ū	(Umacron)
78: N	(N)	174: ®	(registered)	237: í	(iacute)	300: Ĭ	(Ibreve)	363: ū	(umacron)
79: O	(O)	175: ¯	(macron)	238: î	(icircumflex)	301: ĩ	(ibreve)	364: Ŭ	(Ubreve)
80: P	(P)	176: °	(degree)	239: ĩ	(idieresis)	302: Į	(Iogonek)	365: ŭ	(ubreve)
81: Q	(Q)	177: ±	(plusminus)	240: ð	(eth)	303: į	(iogonek)	366: Ů	(Uring)
82: R	(R)	178: ²	(uni00B2)	241: ñ	(ntilde)	304: Ĩ	(Idotaccent)	367: ů	(uring)
83: S	(S)	179: ³	(uni00B3)	242: ò	(ograve)	305: ı	(dotlessi)	368: Ű	(Uhungarumlaut)
84: T	(T)	180: ´	(acute)	243: ó	(oacute)	306: Ĳ	(IJ)	369: ű	(uhungarumlaut)
85: U	(U)	181: μ	(mu)	244: ô	(ocircumflex)	307: ĳ	(ij)	370: Ų	(Uogonek)
86: V	(V)	182: ¶	(paragraph)	245: õ	(otilde)	308: Ĵ	(Jcircumflex)	371: ų	(uogonek)
87: W	(W)	183: ·	(periodcentered)	246: ö	(odieresis)	309: ĵ	(jcircumflex)	372: Ŵ	(Wcircumflex)
88: X	(X)	184: ¸	(cedilla)	247: ÷	(divide)	310: Ƙ	(uni0136)	373: ŵ	(wcircumflex)
89: Y	(Y)	185: ¹	(uni00B9)	248: ø	(oslash)	311: ƙ	(uni0137)	374: Ŷ	(Ycircumflex)
90: Z	(Z)	186: º	(ordmasculine)	249: ù	(ugrave)	312: ƚ	(kgreenlandic)	375: ŷ	(ycircumflex)
91: [(bracketleft)	187: »	(guillemotright)	250: ú	(uacute)	313: Ĺ	(Lacute)	376: Ÿ	(Ydieresis)
92: \	(backslash)	188: ¼	(onequarter)	251: û	(ucircumflex)	314: Í	(Iacute)	377: Ž	(Zacute)
93:]	(bracketright)	189: ½	(onehalf)	252: ü	(udieresis)	315: Ĳ	(uni013B)	378: ž	(zacute)
94: ^	(asciicircum)	190: ¾	(threequarters)	253: ý	(yacute)	316: Į	(uni013C)	379: Ž	(Zdotaccent)
95: _	(underscore)	191: ¿	(questiondown)	254: þ	(thorn)	317: Ľ	(Lcaron)	380: ž	(zdotaccent)
96: `	(grave)	192: Å	(Agrave)	255: ÿ	(ydieresis)	318: Ŀ	(Lcaron)	381: Ž	(Zcaron)
97: a	(a)	193: Ă	(Aacute)	256: Ā	(Amacron)	319: Ł	(Ldot)	382: ž	(zcaron)
98: b	(b)	194: Ā	(Acircumflex)	257: ā	(amacron)	320: ı	(ldot)	383: ƒ	(longs)
99: c	(c)	195: Ą	(Atilde)	258: Ă	(Abreve)	321: Ł	(Lslash)	384: ȳ	(uni0180)
100: d	(d)	196: Ȧ	(Adieresis)	259: ă	(abreve)	322: ł	(lslash)	385: Ȯ	(uni0181)
101: e	(e)	197: Å	(Aring)	260: Ȧ	(Aogonek)	323: Ȧ	(Nacute)	386: Ȯ	(uni0182)
102: f	(f)	198: Æ	(AE)	261: ą	(aogonek)	324: ń	(nacute)	387: Ȯ	(uni0183)
103: g	(g)	199: Ć	(Ccedilla)	262: Ć	(Cacute)	325: Ȧ	(uni0145)	388: Ȯ	(uni0184)
104: h	(h)	200: Ě	(Egrave)	263: ć	(cacute)	326: Ȧ	(uni0146)	389: Ȯ	(uni0185)

390: Ɔ (uni0186)
391: Ƈ (uni0187)
392: ƈ (uni0188)
393: Ɖ (uni0189)
394: Ɗ (uni018A)
395: Ƌ (uni018B)
396: ƌ (uni018C)
397: ƍ (uni018D)
398: Ǝ (uni018E)
399: Ə (uni018F)
400: Ɛ (uni0190)
401: Ƒ (uni0191)
402: ƒ (florin)
403: Ɠ (uni0193)
404: Ɣ (uni0194)
405: Ɩ (uni0195)
406: ƙ (uni0196)
407: ƚ (uni0197)
408: ƞ (uni0198)
409: Ɵ (uni0199)
410: Ơ (uni019A)
411: ơ (uni019B)
412: Ƣ (uni019C)
413: ƣ (uni019D)
414: Ƥ (uni019E)
415: ƥ (uni019F)
416: Ŏ (Ohorn)
417: ō (ohorn)
418: Ƨ (uni01A2)
419: ƨ (uni01A3)
420: Ʃ (uni01A4)
421: ƪ (uni01A5)
422: ƫ (uni01A6)
423: Ƭ (uni01A7)
424: Ʒ (uni01A8)
425: Σ (uni01A9)
426: Ʊ (uni01AA)
427: Ʋ (uni01AB)
428: Ƴ (uni01AC)
429: ƴ (uni01AD)
430: Ƶ (uni01AE)
431: Ū (Uhorn)
432: ū (uhorn)
433: Ŭ (uni01B1)
434: Ů (uni01B2)
435: Ÿ (uni01B3)
436: ƶ (uni01B4)
437: Ʒ (uni01B5)
438: ƹ (uni01B6)
439: ƺ (uni01B7)
440: ƻ (uni01B8)
441: Ƽ (uni01B9)
442: ƾ (uni01BA)
443: 2 (uni01BB)
444: 5 (uni01BC)
445: 5 (uni01BD)
446: ƿ (uni01BE)
447: Ʊ (uni01BF)
448: | (uni01C0)
449: || (uni01C1)
450: ‡ (uni01C2)
451: ! (uni01C3)
452: ĐŽ (uni01C4)

453: Đž (uni01C5)
454: ďž (uni01C6)
455: Ĺ (uni01C7)
456: Ľ (uni01C8)
457: lj (uni01C9)
458: NĴ (uni01CA)
459: Nĵ (uni01CB)
460: nĵ (uni01CC)
461: Ā (uni01CD)
462: Ǻ (uni01CE)
463: Ī (uni01CF)
464: ĩ (uni01D0)
465: Ŏ (uni01D1)
466: ö (uni01D2)
467: Û (uni01D3)
468: ű (uni01D4)
469: Ű (uni01D5)
470: ű (uni01D6)
471: Ű (uni01D7)
472: ű (uni01D8)
473: Ű (uni01D9)
474: ű (uni01DA)
475: Ű (uni01DB)
476: ű (uni01DC)
477: ə (uni01DD)
478: Ā (uni01DE)
479: Ǻ (uni01DF)
480: Ā (uni01E0)
481: Ǻ (uni01E1)
482: Ē (uni01E2)
483: æ (uni01E3)
484: Ĝ (uni01E4)
485: g (uni01E5)
486: Ġ (Gcaron)
487: ǧ (gcaron)
488: Ķ (uni01E8)
489: ķ (uni01E9)
490: Q (uni01EA)
491: q (uni01EB)
492: Ų (uni01EC)
493: Ų (uni01ED)
494: Ž (uni01EE)
495: ž (uni01EF)
496: Ĵ (uni01F0)
497: DZ (uni01F1)
498: Dz (uni01F2)
499: dz (uni01F3)
500: Ġ (uni01F4)
501: ġ (uni01F5)
502: Hb (uni01F6)
503: p (uni01F7)
504: Ñ (uni01F8)
505: ñ (uni01F9)
506: Ā (Aringacute)
507: á (aringacute)
508: Ĳ (AEacute)
509: æ (aeacute)
510: Ø (Oslashacute)
511: ø (oslashacute)
512: Ä (uni0200)
513: ä (uni0201)
514: Â (uni0202)
515: â (uni0203)

516: Ë (uni0204)
517: è (uni0205)
518: Ê (uni0206)
519: ê (uni0207)
520: Ĭ (uni0208)
521: ì (uni0209)
522: Ī (uni020A)
523: î (uni020B)
524: Ï (uni020C)
525: ö (uni020D)
526: Ô (uni020E)
527: ô (uni020F)
528: Ř (uni0210)
529: ř (uni0211)
530: Ř (uni0212)
531: ř (uni0213)
532: Ů (uni0214)
533: ů (uni0215)
534: Ů (uni0216)
535: ů (uni0217)
536: Š (uni0218)
537: š (uni0219)
538: Ť (uni021A)
539: ť (uni021B)
540: Ž (uni021C)
541: ž (uni021D)
542: Ĥ (uni021E)
543: ĥ (uni021F)
544: Ŧ (uni0220)
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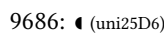
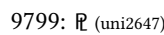
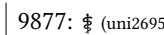
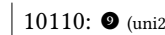
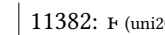
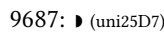
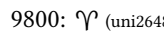

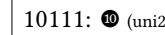
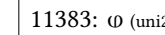
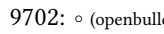

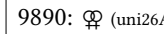
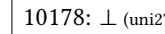
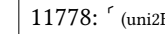

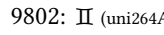
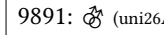
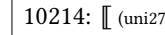
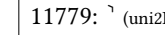

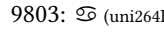
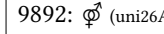
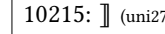
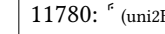

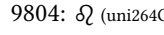
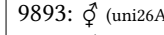
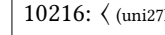
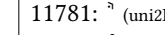

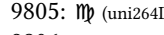
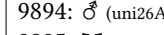
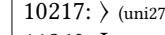
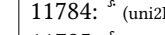
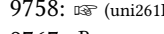
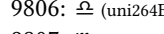
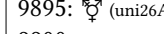
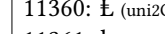
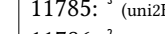
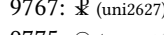
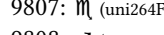
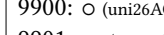
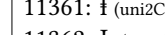
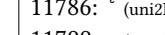

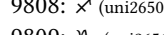
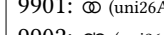
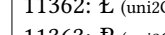
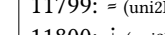
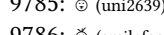
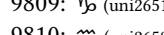
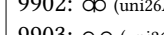
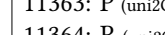
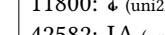

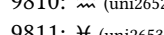
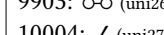
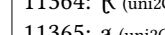
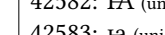


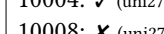
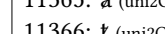
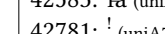
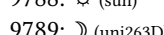

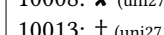
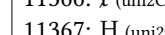
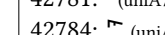
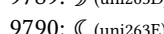

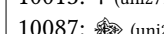
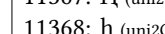
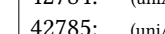
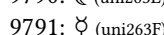

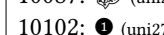
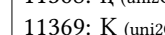
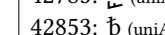
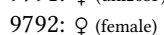
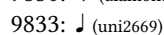
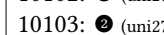
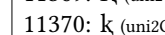
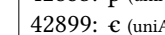
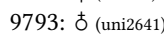
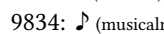
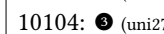
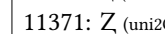
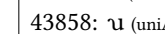
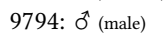

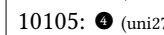
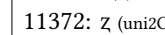
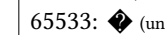
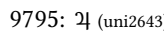

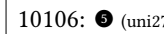
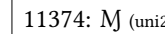
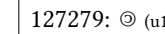
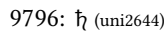
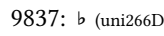
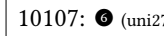
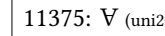

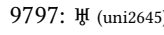
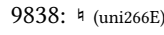
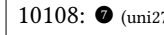
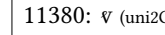

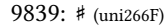
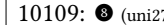
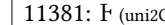




705:	◌ [◌] (uni02C1)	773:	◌ [◌] (uni0305)	836:	◌ [◌] (uni0344)	915:	Γ (Gamma)	980:	Ÿ (uni03D4)
706:	◌ [◌] (uni02C2)	774:	◌ [◌] (uni0306)	837:	◌ [◌] (uni0345)	916:	Δ (uni0394)	981:	ϕ (phi1)
707:	◌ [◌] (uni02C3)	775:	◌ [◌] (uni0307)	838:	◌ [◌] (uni0346)	917:	Ε (Epsilon)	982:	ω (omega1)
708:	◌ [◌] (uni02C4)	776:	◌ [◌] (uni0308)	839:	◌ [◌] (uni0347)	918:	Ζ (Zeta)	983:	ϣ (uni03D7)
709:	◌ [◌] (uni02C5)	777:	◌ [◌] (hookabovecomb)	840:	◌ [◌] (uni0348)	919:	Η (Eta)	984:	Ϙ (uni03D8)
710:	◌ [◌] (circumflex)	778:	◌ [◌] (uni030A)	841:	◌ [◌] (uni0349)	920:	Θ (Theta)	985:	ϙ (uni03D9)
711:	◌ [◌] (caron)	779:	◌ [◌] (uni030B)	842:	◌ [◌] (uni034A)	921:	Ι (Iota)	986:	Ϛ (uni03DA)
712:	◌ [◌] (uni02C8)	780:	◌ [◌] (uni030C)	843:	◌ [◌] (uni034B)	922:	Κ (Kappa)	987:	ϛ (uni03DB)
713:	◌ [◌] (uni02C9)	781:	◌ [◌] (uni030D)	844:	◌ [◌] (uni034C)	923:	Λ (Lambda)	988:	Ϝ (uni03DC)
714:	◌ [◌] (uni02CA)	782:	◌ [◌] (uni030E)	845:	◌ [◌] (uni034D)	924:	Μ (Mu)	989:	ϝ (uni03DD)
715:	◌ [◌] (uni02CB)	783:	◌ [◌] (uni030F)	846:	◌ [◌] (uni034E)	925:	Ν (Nu)	990:	Ϟ (uni03DE)
716:	◌ [◌] (uni02CC)	784:	◌ [◌] (uni0310)	848:	◌ [◌] (uni0350)	926:	Ξ (Xi)	991:	ϟ (uni03DF)
717:	◌ [◌] (uni02CD)	785:	◌ [◌] (uni0311)	849:	◌ [◌] (uni0351)	927:	Ο (Omicron)	992:	Ϡ (uni03E0)
718:	◌ [◌] (uni02CE)	786:	◌ [◌] (uni0312)	850:	◌ [◌] (uni0352)	928:	Π (Pi)	993:	ϡ (uni03E1)
719:	◌ [◌] (uni02CF)	787:	◌ [◌] (uni0313)	851:	◌ [◌] (uni0353)	929:	Ρ (Rho)	1008:	ϣ (uni03F0)
720:	◌ [◌] (uni02D0)	788:	◌ [◌] (uni0314)	852:	◌ [◌] (uni0354)	931:	Σ (Sigma)	1009:	ϝ (uni03F1)
721:	◌ [◌] (uni02D1)	789:	◌ [◌] (uni0315)	853:	◌ [◌] (uni0355)	932:	Τ (Tau)	1010:	Ϟ (uni03F2)
722:	◌ [◌] (uni02D2)	790:	◌ [◌] (uni0316)	854:	◌ [◌] (uni0356)	933:	Υ (Upsilon)	1011:	ϟ (uni03F3)
723:	◌ [◌] (uni02D3)	791:	◌ [◌] (uni0317)	855:	◌ [◌] (uni0357)	934:	Φ (Phi)	1012:	Θ (uni03F4)
724:	◌ [◌] (uni02D4)	792:	◌ [◌] (uni0318)	856:	◌ [◌] (uni0358)	935:	Χ (Chi)	1013:	Ε (uni03F5)
725:	◌ [◌] (uni02D5)	793:	◌ [◌] (uni0319)	857:	◌ [◌] (uni0359)	936:	Ψ (Psi)	1014:	Ε (uni03F6)
726:	◌ [◌] (uni02D6)	794:	◌ [◌] (uni031A)	858:	◌ [◌] (uni035A)	937:	Ω (uni03A9)	1016:	ϐ (uni03F8)
727:	◌ [◌] (uni02D7)	795:	◌ [◌] (uni031B)	859:	◌ [◌] (uni035B)	938:	ͱ (Iotadieresis)	1017:	Ϟ (uni03F9)
728:	◌ [◌] (breve)	796:	◌ [◌] (uni031C)	860:	◌ [◌] (uni035C)	939:	Ͳ (Upsilondieresis)	1019:	Ϡ (uni03FB)
729:	◌ [◌] (dotaccent)	797:	◌ [◌] (uni031D)	861:	◌ [◌] (uni035D)	940:	ͳ (alphatonos)	1021:	Ϟ (uni03FD)
730:	◌ [◌] (ring)	798:	◌ [◌] (uni031E)	862:	◌ [◌] (uni035E)	941:	͵ (epsilontonos)	1022:	Ϟ (uni03FE)
731:	◌ [◌] (ogonek)	799:	◌ [◌] (uni031F)	863:	◌ [◌] (uni035F)	942:	Ͷ (etatonos)	1023:	Ϟ (uni03FF)
732:	◌ [◌] (tilde)	800:	◌ [◌] (uni0320)	864:	◌ [◌] (uni0360)	943:	ͷ (iotatonos)	1024:	͸ (uni0400)
733:	◌ [◌] (hungarumlaut)	801:	◌ [◌] (uni0321)	865:	◌ [◌] (uni0361)	944:	͹ (upsilondieresis)	1025:	͸ (uni0401)
734:	◌ [◌] (uni02DE)	802:	◌ [◌] (uni0322)	866:	◌ [◌] (uni0362)	945:	α (alpha)	1026:	͹ (uni0402)
735:	◌ [◌] (uni02DF)	803:	◌ [◌] (dotbelowcomb)	867:	◌ [◌] (uni0363)	946:	β (beta)	1027:	ͺ (uni0403)
736:	◌ [◌] (uni02E0)	804:	◌ [◌] (uni0324)	868:	◌ [◌] (uni0364)	947:	γ (gamma)	1028:	ͻ (uni0404)
737:	◌ [◌] (uni02E1)	805:	◌ [◌] (uni0325)	869:	◌ [◌] (uni0365)	948:	δ (delta)	1029:	ͼ (uni0405)
738:	◌ [◌] (uni02E2)	806:	◌ [◌] (uni0326)	870:	◌ [◌] (uni0366)	949:	ε (epsilon)	1030:	ͽ (uni0406)
739:	◌ [◌] (uni02E3)	807:	◌ [◌] (uni0327)	871:	◌ [◌] (uni0367)	950:	ζ (zeta)	1031:	Ϳ (uni0407)
740:	◌ [◌] (uni02E4)	808:	◌ [◌] (uni0328)	872:	◌ [◌] (uni0368)	951:	η (eta)	1032:	Ϳ (uni0408)
746:	◌ [◌] (uni02EA)	809:	◌ [◌] (uni0329)	873:	◌ [◌] (uni0369)	952:	θ (theta)	1033:	Ϳ (uni0409)
747:	◌ [◌] (uni02EB)	810:	◌ [◌] (uni032A)	874:	◌ [◌] (uni036A)	953:	ι (iota)	1034:	Ϳ (uni040A)
748:	◌ [◌] (uni02EC)	811:	◌ [◌] (uni032B)	875:	◌ [◌] (uni036B)	954:	κ (kappa)	1035:	Ϳ (uni040B)
749:	◌ [◌] (uni02ED)	812:	◌ [◌] (uni032C)	876:	◌ [◌] (uni036C)	955:	λ (lambda)	1036:	Ϳ (uni040C)
750:	◌ [◌] (uni02EE)	813:	◌ [◌] (uni032D)	877:	◌ [◌] (uni036D)	956:	μ (uni03BC)	1037:	Ϳ (uni040D)
751:	◌ [◌] (uni02EF)	814:	◌ [◌] (uni032E)	878:	◌ [◌] (uni036E)	957:	ν (nu)	1038:	Ϳ (uni040E)
752:	◌ [◌] (uni02F0)	815:	◌ [◌] (uni032F)	879:	◌ [◌] (uni036F)	958:	ξ (xi)	1039:	Ϳ (uni040F)
753:	◌ [◌] (uni02F1)	816:	◌ [◌] (uni0330)	884:	◌ [◌] (uni0374)	959:	ο (omicron)	1040:	Α (uni0410)
754:	◌ [◌] (uni02F2)	817:	◌ [◌] (uni0331)	885:	◌ [◌] (uni0375)	960:	π (pi)	1041:	Β (uni0411)
755:	◌ [◌] (uni02F3)	818:	◌ [◌] (uni0332)	890:	◌ [◌] (uni037A)	961:	ρ (rho)	1042:	Β (uni0412)
756:	◌ [◌] (uni02F4)	819:	◌ [◌] (uni0333)	891:	◌ [◌] (uni037B)	962:	ς (sigma1)	1043:	Γ (uni0413)
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759:	◌ [◌] (uni02F7)	822:	◌ [◌] (uni0336)	894:	◌ [◌] (uni037E)	965:	υ (upsilon)	1046:	Ж (uni0416)
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761:	◌ [◌] (uni02F9)	824:	◌ [◌] (uni0338)	901:	◌ [◌] (dieresistonos)	967:	χ (chi)	1048:	И (uni0418)
762:	◌ [◌] (uni02FA)	825:	◌ [◌] (uni0339)	902:	Ͱ (Alphatonos)	968:	ψ (psi)	1049:	Й (uni0419)
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765:	◌ [◌] (uni02FD)	828:	◌ [◌] (uni033C)	905:	Ͳ (Etatonos)	971:	Ͳ (upsilondieresis)	1052:	Μ (uni041C)
766:	◌ [◌] (uni02FE)	829:	◌ [◌] (uni033D)	906:	ͳ (Iotatonos)	972:	ͳ (omicrontonos)	1053:	Η (uni041D)
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768:	◌ [◌] (gravecomb)	831:	◌ [◌] (uni033F)	910:	͵ (Upsilontonos)	974:	͵ (omegatonos)	1055:	Π (uni041F)
769:	◌ [◌] (acutecomb)	832:	◌ [◌] (uni0340)	911:	Ͷ (Omegatonos)	976:	Ͷ (uni03D0)	1056:	Ρ (uni0420)
770:	◌ [◌] (uni0302)	833:	◌ [◌] (uni0341)	912:	ͷ (Iotadieresis)	977:	ͷ (theta1)	1057:	Ϟ (uni0421)
771:	◌ [◌] (tildecomb)	834:	◌ [◌] (uni0342)	913:	Α (Alpha)	978:	͸ (Upsilon1)	1058:	Τ (uni0422)
772:	◌ [◌] (uni0304)	835:	◌ [◌] (uni0343)	914:	Β (Beta)	979:	͸ (uni03D3)	1059:	Υ (uni0423)

1060: Φ (uni0424)	1123: Ѓ (uni0463)	1201: Ҳ (uni04B1)	1269: Ӱ (uni04F5)	7495: ᵇ (uni1D47)
1061: X (uni0425)	1124: ЇЄ (uni0464)	1202: X̣ (uni04B2)	1270: Γ (uni04F6)	7496: ᵈ (uni1D48)
1062: Ц (uni0426)	1125: ІЄ (uni0465)	1203: χ (uni04B3)	1271: Г (uni04F7)	7497: ᵉ (uni1D49)
1063: Ч (uni0427)	1126: А (uni0466)	1204: Ц (uni04B4)	1272: Ѓ (uni04F8)	7498: ᵃ (uni1D4A)
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1066: Ђ (uni042A)	1129: ІА (uni0469)	1207: ч (uni04B7)	1457: Ɑ (uni05B1)	7501: ᵍ (uni1D4D)
1067: Б (uni042B)	1130: Х (uni046A)	1208: Ч (uni04B8)	1458: Ɑ (uni05B2)	7502: ᵀ (uni1D4E)
1068: Б (uni042C)	1131: Х (uni046B)	1209: Ч (uni04B9)	1459: Ɑ (uni05B3)	7503: ᵏ (uni1D4F)
1069: Э (uni042D)	1132: ІХ (uni046C)	1210: h (uni04BA)	1460: Ɑ (uni05B4)	7504: ᵐ (uni1D50)
1070: Ю (uni042E)	1133: ІХ (uni046D)	1211: h (uni04BB)	1461: Ɑ (uni05B5)	7505: ᵒ (uni1D51)
1071: Я (uni042F)	1134: Џ (uni046E)	1212: Є (uni04BC)	1462: Ɑ (uni05B6)	7506: ᵒ (uni1D52)
1072: a (uni0430)	1135: Џ (uni046F)	1213: є (uni04BD)	1463: Ɑ (uni05B7)	7507: ᵑ (uni1D53)
1073: б (uni0431)	1136: Ψ (uni0470)	1214: Є (uni04BE)	1464: Ɑ (uni05B8)	7508: ˆ (uni1D54)
1074: в (uni0432)	1137: ψ (uni0471)	1215: є (uni04BF)	1465: Ɑ (uni05B9)	7509: ˘ (uni1D55)
1075: г (uni0433)	1138: Θ (uni0472)	1216: I (uni04C0)	1466: Ɑ (uni05BA)	7510: ᵖ (uni1D56)
1076: д (uni0434)	1139: ø (uni0473)	1217: Ж (uni04C1)	1467: Ɑ (uni05BB)	7511: ᵀ (uni1D57)
1077: e (uni0435)	1140: V (uni0474)	1218: Ж (uni04C2)	1468: Ɑ (uni05BC)	7512: ᵁ (uni1D58)
1078: ж (uni0436)	1141: v (uni0475)	1219: Ѓ (uni04C3)	1469: Ɑ (uni05BD)	7513: ᵂ (uni1D59)
1079: з (uni0437)	1142: Ў (uni0476)	1220: г (uni04C4)	1470: Ɑ (uni05BE)	7514: ᵂ (uni1D5A)
1080: и (uni0438)	1143: Ў (uni0477)	1223: Г (uni04C7)	1471: Ɑ (uni05BF)	7515: ᵁ (uni1D5B)
1081: Й (uni0439)	1148: Ѓ (uni047C)	1224: г (uni04C8)	1472: l (uni05C0)	7516: ᶜ (uni1D5C)
1082: к (uni043A)	1149: Ѓ (uni047D)	1225: Г (uni04C9)	1473: Ɑ (uni05C1)	7517: ᵇ (uni1D5D)
1083: л (uni043B)	1150: Ѓ (uni047E)	1226: Г (uni04CA)	1474: Ɑ (uni05C2)	7518: ᵁ (uni1D5E)
1084: м (uni043C)	1151: Ѓ (uni047F)	1227: Ч (uni04CB)	1475: ᵀ (uni05C3)	7519: ᵈ (uni1D5F)
1085: м (uni043D)	1155: Ɑ (uni0483)	1228: ч (uni04CC)	1478: Г (uni05C6)	7522: ᵀ (uni1D62)
1086: о (uni043E)	1164: Ђ (uni048C)	1232: Ä (uni04D0)	1488: ᵀ (uni05D0)	7523: ᵀ (uni1D63)
1087: п (uni043F)	1165: Ђ (uni048D)	1233: ä (uni04D1)	1489: ᵀ (uni05D1)	7524: ᵁ (uni1D64)
1088: p (uni0440)	1166: P (uni048E)	1234: Ä (uni04D2)	1490: ᵀ (uni05D2)	7525: ᵁ (uni1D65)
1089: c (uni0441)	1167: p (uni048F)	1235: ä (uni04D3)	1491: ᵀ (uni05D3)	7526: ᵇ (uni1D66)
1090: т (uni0442)	1168: Г (uni0490)	1236: Æ (uni04D4)	1492: ᵀ (uni05D4)	7527: ᵁ (uni1D67)
1091: y (uni0443)	1169: г (uni0491)	1237: æ (uni04D5)	1493: ᵀ (uni05D5)	7580: ᶜ (uni1D9C)
1092: ф (uni0444)	1170: F (uni0492)	1238: Ě (uni04D6)	1494: ᵀ (uni05D6)	7584: ᶜ (uni1DA0)
1093: x (uni0445)	1171: г (uni0493)	1239: ě (uni04D7)	1495: ᵀ (uni05D7)	7611: ᶜ (uni1DBB)
1094: ц (uni0446)	1172: Ђ (uni0494)	1240: Э (uni04D8)	1496: ᵀ (uni05D8)	7680: ᵀ (uni1E00)
1095: ч (uni0447)	1173: Ђ (uni0495)	1241: э (uni04D9)	1497: ᵀ (uni05D9)	7681: ᵀ (uni1E01)
1096: ш (uni0448)	1174: Ж (uni0496)	1242: Э (uni04DA)	1498: ᵀ (uni05DA)	7682: ᵀ (uni1E02)
1097: ш (uni0449)	1175: Ж (uni0497)	1243: ä (uni04DB)	1499: ᵀ (uni05DB)	7683: ᵇ (uni1E03)
1098: Ъ (uni044A)	1176: З (uni0498)	1244: Ж (uni04DC)	1500: ᵀ (uni05DC)	7684: ᵀ (uni1E04)
1099: Ы (uni044B)	1177: з (uni0499)	1245: Ж (uni04DD)	1501: ᵀ (uni05DD)	7685: ᵇ (uni1E05)
1100: Ь (uni044C)	1178: K (uni049A)	1246: Ž (uni04DE)	1502: ᵀ (uni05DE)	7686: ᵀ (uni1E06)
1101: э (uni044D)	1179: К (uni049B)	1247: ž (uni04DF)	1503: ᵀ (uni05DF)	7687: ᵇ (uni1E07)
1102: ю (uni044E)	1180: К (uni049C)	1248: Ž (uni04E0)	1504: ᵀ (uni05E0)	7688: Č (uni1E08)
1103: я (uni044F)	1181: к (uni049D)	1249: ž (uni04E1)	1505: ᵀ (uni05E1)	7689: č (uni1E09)
1104: è (uni0450)	1182: К (uni049E)	1250: Ī (uni04E2)	1506: ᵀ (uni05E2)	7690: ᵀ (uni1E0A)
1105: ë (uni0451)	1183: к (uni049F)	1251: ī (uni04E3)	1507: ᵀ (uni05E3)	7691: ᵀ (uni1E0B)
1106: ђ (uni0452)	1184: К (uni04A0)	1252: Ī (uni04E4)	1508: ᵀ (uni05E4)	7692: ᵀ (uni1E0C)
1107: í (uni0453)	1185: К (uni04A1)	1253: ī (uni04E5)	1509: ᵀ (uni05E5)	7693: ᵀ (uni1E0D)
1108: е (uni0454)	1186: Н (uni04A2)	1254: Ö (uni04E6)	1510: ᵀ (uni05E6)	7694: ᵀ (uni1E0E)
1109: s (uni0455)	1187: Н (uni04A3)	1255: ö (uni04E7)	1511: ᵀ (uni05E7)	7695: ᵀ (uni1E0F)
1110: i (uni0456)	1188: Н (uni04A4)	1256: Θ (uni04E8)	1512: ᵀ (uni05E8)	7696: ᵀ (uni1E10)
1111: ï (uni0457)	1189: Н (uni04A5)	1257: ø (uni04E9)	1513: ᵀ (uni05E9)	7697: ᵀ (uni1E11)
1112: j (uni0458)	1190: Ѓ (uni04A6)	1258: Ö (uni04EA)	1514: ᵀ (uni05EA)	7698: ᵀ (uni1E12)
1113: љ (uni0459)	1191: Ѓ (uni04A7)	1259: ö (uni04EB)	1520: ᵀ (uni05F0)	7699: ᵀ (uni1E13)
1114: њ (uni045A)	1192: Ѓ (uni04A8)	1260: Ö (uni04EC)	1521: ᵀ (uni05F1)	7700: Ě (uni1E14)
1115: ћ (uni045B)	1193: Ѓ (uni04A9)	1261: ö (uni04ED)	1522: ᵀ (uni05F2)	7701: è (uni1E15)
1116: ќ (uni045C)	1194: Č (uni04AA)	1262: Ÿ (uni04EE)	1523: ʹ (uni05F3)	7702: Ě (uni1E16)
1117: й (uni045D)	1195: č (uni04AB)	1263: ȳ (uni04EF)	1524: ʹ (uni05F4)	7703: é (uni1E17)
1118: ÿ (uni045E)	1196: ᵀ (uni04AC)	1264: Ÿ (uni04F0)	7445: 8 (uni1D15)	7704: ᵀ (uni1E18)
1119: ц (uni045F)	1197: ᵀ (uni04AD)	1265: ÿ (uni04F1)	7491: ᵃ (uni1D43)	7705: ç (uni1E19)
1120: Ґ (uni0460)	1198: Y (uni04AE)	1266: Ÿ (uni04F2)	7492: ᵁ (uni1D44)	7706: ᵀ (uni1E1A)
1121: Ґ (uni0461)	1199: Y (uni04AF)	1267: Ÿ (uni04F3)	7493: ᵃ (uni1D45)	7707: ç (uni1E1B)
1122: Ђ (uni0462)	1200: Y (uni04B0)	1268: Ÿ (uni04F4)	7494: ᶜ (uni1D46)	7708: Ě (uni1E1C)

24

8036:	𐤮 (uni1F64)	8101:	𐤒 (uni1FA5)	8169:	𐤙 (uni1FE9)	8243:	″ (second)	8356:	₺ (lira)
8037:	𐤯 (uni1F65)	8102:	𐤓 (uni1FA6)	8170:	𐤚 (uni1FEA)	8244:	″″ (uni2034)	8359:	₧ (peseta)
8038:	𐤰 (uni1F66)	8103:	𐤔 (uni1FA7)	8171:	𐤛 (uni1FEB)	8245:	˘ (uni2035)	8360:	₹ (uni20A8)
8039:	𐤱 (uni1F67)	8104:	𐤕 (uni1FA8)	8172:	𐤜 (uni1FEC)	8246:	˘˘ (uni2036)	8363:	₫ (dong)
8040:	𐤲 (uni1F68)	8105:	𐤖 (uni1FA9)	8173:	˘˘˘ (uni1FED)	8247:	˘˘˘ (uni2037)	8364:	€ (Euro)
8041:	𐤳 (uni1F69)	8106:	𐤗 (uni1FAA)	8174:	˘˘˘ (uni1FEE)	8249:	< (guilsinglleft)	8367:	₯ (uni20AF)
8042:	𐤴 (uni1F6A)	8107:	𐤘 (uni1FAB)	8175:	˘˘ (uni1FEF)	8250:	> (guilsinglright)	8369:	₱ (uni20B1)
8043:	𐤵 (uni1F6B)	8108:	𐤙 (uni1FAC)	8178:	𐤞 (uni1FF2)	8251:	※ (uni203B)	8377:	₮ (uni20B9)
8044:	𐤶 (uni1F6C)	8109:	𐤚 (uni1FAD)	8179:	𐤟 (uni1FF3)	8252:	!! (exclamdbl)	8383:	₴ (uni20BF)
8045:	𐤷 (uni1F6D)	8110:	𐤛 (uni1FAE)	8180:	𐤠 (uni1FF4)	8253:	₯ (uni203D)	8448:	₯ (uni2100)
8046:	𐤸 (uni1F6E)	8111:	𐤜 (uni1FAF)	8182:	𐤡 (uni1FF6)	8254:	˘˘˘ (uni203E)	8449:	₯ (uni2101)
8047:	𐤹 (uni1F6F)	8112:	𐤝 (uni1FB0)	8183:	𐤢 (uni1FF7)	8258:	⌘ (uni2042)	8450:	₯ (uni2102)
8048:	𐤺 (uni1F70)	8113:	𐤞 (uni1FB1)	8184:	𐤣 (uni1FF8)	8260:	/ (fraction)	8451:	°C (uni2103)
8049:	𐤻 (uni1F71)	8114:	𐤟 (uni1FB2)	8185:	𐤤 (uni1FF9)	8263:	?? (uni2047)	8453:	‰ (uni2105)
8050:	è (uni1F72)	8115:	𐤠 (uni1FB3)	8186:	𐤥 (uni1FFA)	8264:	?! (uni2048)	8454:	‰ (uni2106)
8051:	é (uni1F73)	8116:	𐤡 (uni1FB4)	8187:	𐤦 (uni1FFB)	8265:	!? (uni2049)	8457:	°F (uni2109)
8052:	ḡ (uni1F74)	8118:	𐤢 (uni1FB6)	8188:	𐤧 (uni1FFC)	8266:	₯ (uni204A)	8460:	₯ (uni210C)
8053:	ḡ (uni1F75)	8119:	𐤣 (uni1FB7)	8189:	˘˘ (uni1FFD)	8267:	₯ (uni204B)	8461:	₯ (uni210D)
8054:	ì (uni1F76)	8120:	𐤤 (uni1FB8)	8190:	˘˘˘ (uni1FFE)	8271:	˘˘ (uni204F)	8462:	₯ (uni210E)
8055:	í (uni1F77)	8121:	𐤥 (uni1FB9)	8192:	˘˘˘ (uni2000)	8304:	˘˘˘ (uni2070)	8463:	₯ (uni210F)
8056:	ò (uni1F78)	8122:	𐤦 (uni1FBA)	8193:	˘˘˘ (uni2001)	8305:	˘˘˘ (uni2071)	8465:	₯ (Ifraktur)
8057:	ó (uni1F79)	8123:	𐤧 (uni1FBB)	8194:	˘˘˘ (uni2002)	8308:	˘˘˘ (uni2074)	8467:	₯ (uni2113)
8058:	ù (uni1F7A)	8124:	𐤨 (uni1FBC)	8195:	˘˘˘ (uni2003)	8309:	˘˘˘ (uni2075)	8469:	₯ (uni2115)
8059:	ú (uni1F7B)	8125:	˘˘˘ (uni1FBD)	8196:	˘˘˘ (uni2004)	8310:	˘˘˘ (uni2076)	8470:	₯ (uni2116)
8060:	ò (uni1F7C)	8126:	˘˘˘ (uni1FBE)	8197:	˘˘˘ (uni2005)	8311:	˘˘˘ (uni2077)	8473:	₯ (uni2119)
8061:	ó (uni1F7D)	8127:	˘˘˘ (uni1FBF)	8198:	˘˘˘ (uni2006)	8312:	˘˘˘ (uni2078)	8474:	₯ (uni211A)
8064:	ḡ (uni1F80)	8128:	˘˘˘ (uni1FC0)	8199:	˘˘˘ (uni2007)	8313:	˘˘˘ (uni2079)	8476:	₯ (Rfraktur)
8065:	ḡ (uni1F81)	8129:	˘˘˘ (uni1FC1)	8200:	˘˘˘ (uni2008)	8314:	˘˘˘ (uni207A)	8477:	₯ (uni211D)
8066:	ḡ (uni1F82)	8130:	ḡ (uni1FC2)	8201:	˘˘˘ (uni2009)	8315:	˘˘˘ (uni207B)	8480:	SM (uni2120)
8067:	ḡ (uni1F83)	8131:	ḡ (uni1FC3)	8202:	˘˘˘ (uni200A)	8316:	˘˘˘ (uni207C)	8482:	TM (trademark)
8068:	ḡ (uni1F84)	8132:	ḡ (uni1FC4)	8203:	˘˘˘ (uni200B)	8317:	˘˘˘ (uni207D)	8484:	ℤ (uni2124)
8069:	ḡ (uni1F85)	8134:	ḡ (uni1FC6)	8204:	˘˘˘ (uni200C)	8318:	˘˘˘ (uni207E)	8486:	Ω (Omega)
8070:	ḡ (uni1F86)	8135:	ḡ (uni1FC7)	8205:	˘˘˘ (uni200D)	8319:	˘˘˘ (uni207F)	8487:	Ů (uni2127)
8071:	ḡ (uni1F87)	8136:	ḡ (uni1FC8)	8206:	˘˘˘ (uni200E)	8320:	˘˘˘ (uni2080)	8494:	e (estimated)
8072:	ḡ (uni1F88)	8137:	ḡ (uni1FC9)	8207:	˘˘˘ (uni200F)	8321:	˘˘˘ (uni2081)	8501:	₯ (aleph)
8073:	ḡ (uni1F89)	8138:	ḡ (uni1FCA)	8208:	˘˘˘ (uni2010)	8322:	˘˘˘ (uni2082)	8502:	₯ (uni2136)
8074:	ḡ (uni1F8A)	8139:	ḡ (uni1FCB)	8209:	˘˘˘ (uni2011)	8323:	˘˘˘ (uni2083)	8503:	₯ (uni2137)
8075:	ḡ (uni1F8B)	8140:	ḡ (uni1FCC)	8210:	˘˘˘ (figuredash)	8324:	˘˘˘ (uni2084)	8504:	₯ (uni2138)
8076:	ḡ (uni1F8C)	8141:	˘˘˘ (uni1FCD)	8211:	˘˘˘ (endash)	8325:	˘˘˘ (uni2085)	8505:	ı (uni2139)
8077:	ḡ (uni1F8D)	8142:	˘˘˘ (uni1FCE)	8212:	˘˘˘ (emdash)	8326:	˘˘˘ (uni2086)	8527:	⅓ (uni214F)
8078:	ḡ (uni1F8E)	8143:	˘˘˘ (uni1FCF)	8213:	˘˘˘ (uni2015)	8327:	˘˘˘ (uni2087)	8531:	⅓ (onethird)
8079:	ḡ (uni1F8F)	8144:	ḡ (uni1FD0)	8214:	(uni2016)	8328:	˘˘˘ (uni2088)	8532:	⅔ (twothirds)
8080:	ḡ (uni1F90)	8145:	ḡ (uni1FD1)	8215:	˘˘˘ (underscoredbl)	8329:	˘˘˘ (uni2089)	8533:	⅓ (uni2155)
8081:	ḡ (uni1F91)	8146:	ḡ (uni1FD2)	8216:	˘˘˘ (quoteleft)	8330:	˘˘˘ (uni208A)	8534:	⅓ (uni2156)
8082:	ḡ (uni1F92)	8147:	ḡ (uni1FD3)	8217:	˘˘˘ (quoteright)	8331:	˘˘˘ (uni208B)	8535:	⅓ (uni2157)
8083:	ḡ (uni1F93)	8150:	ḡ (uni1FD6)	8218:	˘˘˘ (quotesinglbase)	8332:	˘˘˘ (uni208C)	8536:	⅓ (uni2158)
8084:	ḡ (uni1F94)	8151:	ḡ (uni1FD7)	8219:	˘˘˘ (quotereversed)	8333:	˘˘˘ (uni208D)	8537:	⅓ (uni2159)
8085:	ḡ (uni1F95)	8152:	ḡ (uni1FD8)	8220:	˘˘˘ (quotedblleft)	8334:	˘˘˘ (uni208E)	8538:	⅓ (uni215A)
8086:	ḡ (uni1F96)	8153:	ḡ (uni1FD9)	8221:	˘˘˘ (quotedblright)	8336:	˘˘˘ (uni2090)	8539:	⅓ (oneeighth)
8087:	ḡ (uni1F97)	8154:	ḡ (uni1FDA)	8222:	˘˘˘ (quotedblbase)	8337:	˘˘˘ (uni2091)	8540:	⅓ (threeeighths)
8088:	ḡ (uni1F98)	8155:	ḡ (uni1FDB)	8223:	˘˘˘ (uni201F)	8338:	˘˘˘ (uni2092)	8541:	⅓ (fiveeighths)
8089:	ḡ (uni1F99)	8157:	˘˘˘ (uni1FDD)	8224:	† (dagger)	8339:	˘˘˘ (uni2093)	8542:	⅓ (seveneighths)
8090:	ḡ (uni1F9A)	8158:	˘˘˘ (uni1FDE)	8225:	‡ (daggerdbl)	8340:	˘˘˘ (uni2094)	8543:	⅓ (uni215F)
8091:	ḡ (uni1F9B)	8159:	˘˘˘ (uni1FDF)	8226:	• (bullet)	8341:	˘˘˘ (uni2095)	8544:	I (uni2160)
8092:	ḡ (uni1F9C)	8160:	ḡ (uni1FE0)	8227:	► (uni2023)	8342:	˘˘˘ (uni2096)	8545:	II (uni2161)
8093:	ḡ (uni1F9D)	8161:	ḡ (uni1FE1)	8228:	˘˘˘ (onedotenleader)	8343:	˘˘˘ (uni2097)	8546:	III (uni2162)
8094:	ḡ (uni1F9E)	8162:	ḡ (uni1FE2)	8229:	˘˘˘ (twodotenleader)	8344:	˘˘˘ (uni2098)	8547:	IV (uni2163)
8095:	ḡ (uni1F9F)	8163:	ḡ (uni1FE3)	8230:	... (ellipsis)	8345:	˘˘˘ (uni2099)	8548:	V (uni2164)
8096:	𐤒 (uni1FA0)	8164:	𐤓 (uni1FE4)	8231:	˘˘˘ (uni2027)	8346:	˘˘˘ (uni209A)	8549:	VI (uni2165)
8097:	𐤒 (uni1FA1)	8165:	𐤔 (uni1FE5)	8239:	˘˘˘ (uni202F)	8347:	˘˘˘ (uni209B)	8550:	VII (uni2166)
8098:	𐤒 (uni1FA2)	8166:	ḡ (uni1FE6)	8240:	‰ (perthousand)	8348:	˘˘˘ (uni209C)	8551:	VIII (uni2167)
8099:	𐤒 (uni1FA3)	8167:	ḡ (uni1FE7)	8241:	‰‰ (uni2031)	8354:	₯ (uni20A2)	8552:	IX (uni2168)
8100:	𐤒 (uni1FA4)	8168:	ḡ (uni1FE8)	8242:	˘˘˘ (minute)	8355:	₯ (franc)	8553:	X (uni2169)

8554: XI	(uni216A)	8706: ∂	(partialdiff)	8835: \supset	(propersuperset)	9323: $\textcircled{12}$	(uni246B)	9432: $\textcircled{1}$	(uni24D8)
8555: XII	(uni216B)	8707: \exists	(existential)	8836: $\not\subset$	(notsubset)	9324: $\textcircled{13}$	(uni246C)	9433: $\textcircled{1}$	(uni24D9)
8556: L	(uni216C)	8708: \mathbb{A}	(uni2204)	8837: $\not\supset$	(uni2285)	9325: $\textcircled{14}$	(uni246D)	9434: $\textcircled{\text{E}}$	(uni24DA)
8557: C	(uni216D)	8709: \emptyset	(emptyset)	8853: \oplus	(circleplus)	9326: $\textcircled{15}$	(uni246E)	9435: $\textcircled{1}$	(uni24DB)
8558: D	(uni216E)	8710: Δ	(Delta)	8854: \ominus	(uni2296)	9327: $\textcircled{16}$	(uni246F)	9436: $\textcircled{\text{M}}$	(uni24DC)
8559: M	(uni216F)	8711: ∇	(gradient)	8855: \otimes	(circlemultiply)	9328: $\textcircled{17}$	(uni2470)	9437: $\textcircled{\text{N}}$	(uni24DD)
8560: i	(uni2170)	8712: \in	(element)	8856: \oslash	(uni2298)	9329: $\textcircled{18}$	(uni2471)	9438: $\textcircled{\text{O}}$	(uni24DE)
8561: ii	(uni2171)	8713: \notin	(notelement)	8866: \vdash	(uni22A2)	9330: $\textcircled{19}$	(uni2472)	9439: $\textcircled{\text{P}}$	(uni24DF)
8562: iii	(uni2172)	8714: \ni	(uni220A)	8867: \dashv	(uni22A3)	9331: $\textcircled{20}$	(uni2473)	9440: $\textcircled{\text{Q}}$	(uni24E0)
8563: iv	(uni2173)	8715: \ni	(suchthat)	8868: \top	(uni22A4)	9332: $\textcircled{1}$	(uni2474)	9441: $\textcircled{\text{R}}$	(uni24E1)
8564: v	(uni2174)	8716: \ni	(uni220C)	8869: \perp	(perpendicular)	9333: $\textcircled{2}$	(uni2475)	9442: $\textcircled{\text{S}}$	(uni24E2)
8565: vi	(uni2175)	8717: \ni	(uni220D)	8870: \vdash	(uni22A6)	9334: $\textcircled{3}$	(uni2476)	9443: $\textcircled{\text{1}}$	(uni24E3)
8566: vii	(uni2176)	8719: \prod	(product)	8886: \rightleftarrows	(uni22B6)	9335: $\textcircled{4}$	(uni2477)	9444: $\textcircled{\text{1}}$	(uni24E4)
8567: viii	(uni2177)	8720: \prod	(uni2210)	8887: \rightleftarrows	(uni22B7)	9336: $\textcircled{5}$	(uni2478)	9445: $\textcircled{\text{V}}$	(uni24E5)
8568: ix	(uni2178)	8721: Σ	(summation)	8901: \cdot	(dotmath)	9337: $\textcircled{6}$	(uni2479)	9446: $\textcircled{\text{W}}$	(uni24E6)
8569: x	(uni2179)	8722: $-$	(minus)	8942: $\dot{:}$	(uni22EE)	9338: $\textcircled{7}$	(uni247A)	9447: $\textcircled{\text{X}}$	(uni24E7)
8570: xi	(uni217A)	8723: \mp	(uni2213)	8943: \cdots	(uni22EF)	9339: $\textcircled{8}$	(uni247B)	9448: $\textcircled{\text{Y}}$	(uni24E8)
8571: xii	(uni217B)	8724: $\dot{+}$	(uni2214)	8960: \varnothing	(uni2300)	9340: $\textcircled{9}$	(uni247C)	9449: $\textcircled{2}$	(uni24E9)
8572: l	(uni217C)	8725: \swarrow	(uni2215)	8962: \sqsubset	(house)	9341: $\textcircled{10}$	(uni247D)	9450: $\textcircled{\text{O}}$	(uni24EA)
8573: c	(uni217D)	8726: \searrow	(uni2216)	8963: \wedge	(uni2303)	9342: $\textcircled{11}$	(uni247E)	9451: $\textcircled{\text{11}}$	(uni24EB)
8574: d	(uni217E)	8727: $*$	(asteriskmath)	8976: \neg	(revlogicalnot)	9343: $\textcircled{12}$	(uni247F)	9452: $\textcircled{\text{12}}$	(uni24EC)
8575: m	(uni217F)	8728: \circ	(uni2218)	8992: \int	(integraltp)	9344: $\textcircled{13}$	(uni2480)	9453: $\textcircled{\text{13}}$	(uni24ED)
8576: CD	(uni2180)	8729: \cdot	(uni2219)	8993: \int	(integralbt)	9345: $\textcircled{14}$	(uni2481)	9454: $\textcircled{\text{14}}$	(uni24EE)
8577: D	(uni2181)	8730: $\sqrt{}$	(radical)	8998: \boxtimes	(uni2326)	9346: $\textcircled{15}$	(uni2482)	9455: $\textcircled{\text{15}}$	(uni24EF)
8578: $\textcircled{\text{O}}$	(uni2182)	8731: $\sqrt[3]{}$	(uni221B)	8999: \boxtimes	(uni2327)	9347: $\textcircled{16}$	(uni2483)	9456: $\textcircled{\text{16}}$	(uni24F0)
8579: \bigcirc	(uni2183)	8732: $\sqrt[4]{}$	(uni221C)	9001: \angleleft	(angleleft)	9348: $\textcircled{17}$	(uni2484)	9457: $\textcircled{\text{17}}$	(uni24F1)
8580: \circ	(uni2184)	8733: \propto	(proportional)	9002: \angleright	(angleright)	9349: $\textcircled{18}$	(uni2485)	9458: $\textcircled{\text{18}}$	(uni24F2)
8592: \longleftarrow	(arrowleft)	8734: ∞	(infinity)	9003: \ltimes	(uni232B)	9350: $\textcircled{19}$	(uni2486)	9459: $\textcircled{\text{19}}$	(uni24F3)
8593: \Uparrow	(arrowup)	8735: \perp	(orthogonal)	9085: \lrcorner	(uni237D)	9351: $\textcircled{20}$	(uni2487)	9460: $\textcircled{\text{20}}$	(uni24F4)
8594: \longrightarrow	(arrowright)	8736: \angle	(angle)	9088: \Re	(uni2380)	9398: $\textcircled{\text{A}}$	(uni24B6)	9461: $\textcircled{1}$	(uni24F5)
8595: \downarrow	(arrowdown)	8737: \sphericalangle	(uni2221)	9115: \int	(uni239B)	9399: $\textcircled{\text{B}}$	(uni24B7)	9462: $\textcircled{2}$	(uni24F6)
8596: \longleftrightarrow	(arrowboth)	8738: \prec	(uni2222)	9116: \int	(uni239C)	9400: $\textcircled{\text{C}}$	(uni24B8)	9463: $\textcircled{3}$	(uni24F7)
8597: \Updownarrow	(arrowupdn)	8739: \mid	(uni2223)	9117: \int	(uni239D)	9401: $\textcircled{\text{D}}$	(uni24B9)	9464: $\textcircled{4}$	(uni24F8)
8598: \searrow	(uni2196)	8740: \dagger	(uni2224)	9118: \int	(uni239E)	9402: $\textcircled{\text{E}}$	(uni24BA)	9465: $\textcircled{5}$	(uni24F9)
8599: \nearrow	(uni2197)	8741: \parallel	(uni2225)	9119: \int	(uni239F)	9403: $\textcircled{\text{F}}$	(uni24BB)	9466: $\textcircled{6}$	(uni24FA)
8600: \searrow	(uni2198)	8742: $\#$	(uni2226)	9120: \int	(uni23A0)	9404: $\textcircled{\text{G}}$	(uni24BC)	9467: $\textcircled{7}$	(uni24FB)
8601: \swarrow	(uni2199)	8743: \wedge	(logicaland)	9121: \int	(uni23A1)	9405: $\textcircled{\text{H}}$	(uni24BD)	9468: $\textcircled{8}$	(uni24FC)
8602: \leftrightsquigarrow	(uni219A)	8744: \vee	(logicalor)	9122: \int	(uni23A2)	9406: $\textcircled{\text{I}}$	(uni24BE)	9469: $\textcircled{9}$	(uni24FD)
8603: \nrightarrow	(uni219B)	8745: \cap	(intersection)	9123: \int	(uni23A3)	9407: $\textcircled{\text{J}}$	(uni24BF)	9470: $\textcircled{\text{10}}$	(uni24FE)
8614: \mapsto	(uni21A6)	8746: \cup	(union)	9124: \int	(uni23A4)	9408: $\textcircled{\text{K}}$	(uni24C0)	9471: $\textcircled{\text{11}}$	(uni24FF)
8616: \Updownarrow	(arrowupdnbse)	8747: \int	(integral)	9125: \int	(uni23A5)	9409: $\textcircled{\text{L}}$	(uni24C1)	9632: \blacksquare	(filledbox)
8622: \leftrightarrow	(uni21AE)	8748: \iint	(uni222C)	9126: \int	(uni23A6)	9410: $\textcircled{\text{M}}$	(uni24C2)	9633: \square	(H22073)
8636: \longleftarrow	(uni21BC)	8749: \iiint	(uni222D)	9127: r	(uni23A7)	9411: $\textcircled{\text{N}}$	(uni24C3)	9650: \blacktriangle	(triagup)
8637: \longleftarrow	(uni21BD)	8750: \oint	(uni222E)	9128: \int	(uni23A8)	9412: $\textcircled{\text{O}}$	(uni24C4)	9651: \triangle	(uni25B3)
8640: \longrightarrow	(uni21C0)	8758: $:$	(uni2236)	9129: \int	(uni23A9)	9413: $\textcircled{\text{P}}$	(uni24C5)	9654: \blacktriangleright	(uni25B6)
8641: \longrightarrow	(uni21C1)	8764: \sim	(similar)	9130: \int	(uni23AA)	9414: $\textcircled{\text{Q}}$	(uni24C6)	9655: \triangleright	(uni25B7)
8651: \rightleftharpoons	(uni21CB)	8769: \nearrow	(uni2241)	9131: \int	(uni23AB)	9415: $\textcircled{\text{R}}$	(uni24C7)	9660: \blacktriangledown	(triagdn)
8652: \rightleftharpoons	(uni21CC)	8773: \cong	(congruent)	9132: \int	(uni23AC)	9416: $\textcircled{\text{S}}$	(uni24C8)	9661: ∇	(uni25BD)
8653: \ncong	(uni21CD)	8776: \approx	(approxequal)	9133: \int	(uni23AD)	9417: $\textcircled{\text{T}}$	(uni24C9)	9664: \blacktriangleleft	(uni25C0)
8654: \nleftrightarrow	(uni21CE)	8777: \neq	(uni2249)	9134: \int	(uni23AE)	9418: $\textcircled{\text{U}}$	(uni24CA)	9665: \triangleleft	(uni25C1)
8655: \nrightarrow	(uni21CF)	8793: \doteq	(uni2259)	9171: \simeq	(uni23D3)	9419: $\textcircled{\text{V}}$	(uni24CB)	9670: \blacklozenge	(uni25C6)
8656: \rightleftarrows	(arrowdblleft)	8800: \neq	(notequal)	9251: \lrcorner	(uni2423)	9420: $\textcircled{\text{W}}$	(uni24CC)	9671: \diamond	(uni25C7)
8657: \Uparrow	(arrowdblup)	8801: \equiv	(equivalence)	9312: $\textcircled{1}$	(uni2460)	9421: $\textcircled{\text{X}}$	(uni24CD)	9673: \odot	(uni25C9)
8658: \Rightarrow	(arrowdblright)	8802: \neq	(uni2262)	9313: $\textcircled{2}$	(uni2461)	9422: $\textcircled{\text{Y}}$	(uni24CE)	9674: \diamond	(lozenge)
8659: \Downarrow	(arrowdbldown)	8804: \leq	(lessequal)	9314: $\textcircled{3}$	(uni2462)	9423: $\textcircled{2}$	(uni24CF)	9675: \circ	(circle)
8660: \Leftrightarrow	(arrowdblboth)	8805: \geq	(greaterequal)	9315: $\textcircled{4}$	(uni2463)	9424: $\textcircled{\text{a}}$	(uni24D0)	9678: \circ	(uni25CE)
8661: \Updownarrow	(uni21D5)	8810: \ll	(uni226A)	9316: $\textcircled{5}$	(uni2464)	9425: $\textcircled{\text{b}}$	(uni24D1)	9679: \bullet	(H18533)
8662: \searrow	(uni21D6)	8811: \gg	(uni226B)	9317: $\textcircled{6}$	(uni2465)	9426: $\textcircled{\text{c}}$	(uni24D2)	9680: \bullet	(uni25D0)
8663: \nearrow	(uni21D7)	8814: \lessdot	(uni226E)	9318: $\textcircled{7}$	(uni2466)	9427: $\textcircled{\text{d}}$	(uni24D3)	9681: \bullet	(uni25D1)
8664: \searrow	(uni21D8)	8815: \lessdot	(uni226F)	9319: $\textcircled{8}$	(uni2467)	9428: $\textcircled{\text{e}}$	(uni24D4)	9682: \bullet	(uni25D2)
8665: \nearrow	(uni21D9)	8816: \lessdot	(uni2270)	9320: $\textcircled{9}$	(uni2468)	9429: $\textcircled{\text{f}}$	(uni24D5)	9683: \bullet	(uni25D3)
8704: \forall	(universal)	8817: \lessdot	(uni2271)	9321: $\textcircled{\text{10}}$	(uni2469)	9430: $\textcircled{\text{g}}$	(uni24D6)	9684: \bullet	(uni25D4)
8705: \subset	(uni2201)	8834: \subset	(propersubset)	9322: $\textcircled{\text{11}}$	(uni246A)	9431: $\textcircled{\text{h}}$	(uni24D7)	9685: \bullet	(uni25D5)

9686: 	9799: 	9877: 	10110: 	11382: 
9687: 	9800: 	9880: 	10111: 	11383: 
9702: 	9801: 	9890: 	10178: 	11778: 
9733: 	9802: 	9891: 	10214: 	11779: 
9737: 	9803: 	9892: 	10215: 	11780: 
9753: 	9804: 	9893: 	10216: 	11781: 
9755: 	9805: 	9894: 	10217: 	11784: 
9758: 	9806: 	9895: 	11360: 	11785: 
9767: 	9807: 	9900: 	11361: 	11786: 
9775: 	9808: 	9901: 	11362: 	11799: 
9785: 	9809: 	9902: 	11363: 	11800: 
9786: 	9810: 	9903: 	11364: 	42582: 
9787: 	9811: 	10004: 	11365: 	42583: 
9788: 	9824: 	10008: 	11366: 	42781: 
9789: 	9827: 	10013: 	11367: 	42784: 
9790: 	9829: 	10087: 	11368: 	42785: 
9791: 	9830: 	10102: 	11369: 	42853: 
9792: 	9833: 	10103: 	11370: 	42899: 
9793: 	9834: 	10104: 	11371: 	43858: 
9794: 	9835: 	10105: 	11372: 	65533: 
9795: 	9836: 	10106: 	11374: 	127279: 
9796: 	9837: 	10107: 	11375: 	
9797: 	9838: 	10108: 	11380: 	
9798: 	9839: 	10109: 	11381: 	

Index

F

\fontspec, 18

L

\LCASE+, 13

\LCASE-, 13

\LctoSC+, 12

\LctoSC-, 12

\LctoSMCP+, 12

\LctoSMCP-, 12

\LDIG-, 13

\LDLIG+, 13

\LFRAC+, 16

\LFRAC-, 16

\LHLIG+, 13

\LHLIG-, 13

\LLIGA+, 13

\LLIGA-, 13

\LSALT+, 14

\LSALT-, 14

\LSSxx, 15

\Lcase, 13

\Lctosc, 12

\Lctosmcp, 12

\Ldlig, 13

\Lfrac, 16

\Lhlig, 13

libertinus-fonts, 2

libertinus-otf, 2

\Lliga, 13

\Lsalt, 14

\Lssxx, 15

P

Package

- libertinus-fonts, 2

- libertinus-otf, 2