

Improvements of Linux Libertine G and Biolinum G (2012-01-16)

László Németh, FSF.HU Foundation

<http://www.numbertext.org/linux>

| Feature | Example | New layout |
|--|---|---|
| Proper hinting for digital publishing by ttfautohint of Freetype | Check in Adobe Reader <i>at low magnification!</i> | Check in Adobe Reader <i>at low magnification!</i> |
| Better hyphen in sups (use feat. <i>texm</i> or – (U+2212) for minus) | – twenty–one – | – twenty-one – |
| Kerning fixes | <i>f', f]</i> | <i>f', f]</i> |
| Feature <i>litt</i> (optional switch for ligature tt) | matter | matter |
| <p>Other fixes:</p> <ul style="list-style-type: none"> • fix crash of LibreOffice/Graphite 2 with dotted tabulation • now Linux Libertine Semibold Italic supports Graphite features (eg. <i>SMALL CAPS, 10 000</i>) • proportional old style number can follow Euro symbol: €5800 • remove bad ligc replacement for single „fi” in superiors and inferiors (fi instead of fi) | | |
| Older improvements (2011-09-20) | | |
| Ports of major Linux Libertine ¹ improvements | <p><i>Linux Libertine Display (G): true large letters for titles, business cards, children books etc.²</i> Usage: choose “Linux Libertine Display G” font.</p> | <h1>Example</h1> <p>Example (Linux Libertine, 16 pt) Example (Linux Libertine Display, 16 pt)</p> |
| | <p><i>Linux Libertine bold (true ¾ bold) and semibold (the old bold was the semibold variant), see also Character formatting → bold and semibold variants.</i></p> | <h1>Example</h1> <p>Example (Linux Libertine Bold, 16 pt) Example (Linux Libertine Semibold, 16 pt) <i>Example (Linux Libertine Bold Italic)</i> <i>Example (Linux Libertine Semibold Italic)</i></p> |

* <http://www.linuXlibertine.org>

† Only regular variant.

| | | | |
|--|---|---|---|
| <p>Full sups: true small letters for superiors, footnotes, captions etc.³</p> | <p>Capital letters, diacritics, punctuation and ligatures, feature frsp Usage: extend the font names with sups=1 in Character formatting: “Linux Libertine G:sups=1”.⁴</p> | <p>ÁBCÇ! ... New layout: ÁBCDÓ!.,:ááááááæœŞşŦŧjfffi</p> | <p>ÁBCÇ!?,;: àáâãäå æœşţĵĥfffi</p> |
| <p>Unicode combining diacritics for international and scientific typesetting</p> | <p>Port and extension of Linux Libertine OpenType mark tables Usage: add special Unicode diacritical marks after the letters.¹</p> | <p>ṭḅỌṣịịạ́ọ IPA: ɱ̣ḅṭṣḅṭḍḍɔ̣ɔ̣ɛ̣ɔ̣ɛ̣ɛ̣ḷɛ̣ṇβ̣ɛ̣ɛ̣ɛ̣, Aleut: X̣x̣, Ịṇ̃ụp̣ịạq̣: ḶḷḶḷ, Yoruba: ỌỌỌỌŞ̣ẹẹẹẹẹọọọọọş̣, Hungarian phonology: ẹ́ẹ́j̣j̣ạ́ụ̈ụ̈ạ́ạ́ạ́ọạ́ọạ́</p> | <p>ṭḅỌṣịịạ́ọ IPA: ɱ̣ḅṭṣḅṭḍḍɔ̣ɔ̣ɛ̣ɔ̣ɛ̣ɛ̣ḷɛ̣ṇβ̣ɛ̣ɛ̣ɛ̣, Aleut: X̣x̣, Ịṇ̃ụp̣ịạq̣: ḶḷḶḷ, Yoruba: ỌỌỌỌŞ̣ẹẹẹẹẹọọọọọş̣, Hungarian phonology: ẹ́ẹ́j̣j̣ạ́ụ̈ụ̈ạ́ạ́ạ́ọạ́ọạ́</p> |
| | <p>Kerning with combining diacritics</p> | <p>ṾẠ́ṾẠ</p> | <p>ṾẠ́ṾẠ</p> |
| <p>Italic correction: feature itlc²</p> | <p>itlc=1 (both side corrections on boundary spaces)</p> | <p>a leaf louse</p> | <p>a leaf louse a leaf louse a leaf louse</p> |
| | <p>itlc=2 (as above, but always right side correction)</p> | <p> l </p> | <p> l </p> |
| <p>Optional regular parenthesis in Italic text³</p> | <p>feature para (only in Italic)</p> | <p>an (Italic) t (1) (2) (3)</p> | <p>an (Italic) t (1) (2) (3)</p> |
| <p>Hanging punctuation (feature hang)</p> | <p>hang=1. This feature works in character formatting boundaries, too, so consider to use hang=2</p> | <p>...Co-operate, co-operate, co-operate, co-operate on June–July, finally a –really long–em dash. Some “quotation” “marks”. Punctuation marks. Period. Exclamation marks! A question mark???????????</p> | <p>...Co-operate, co-operate, co-operate, co-operate on June–July, finally a –really long–em dash. Some “quotation” “marks”. Punctuation marks. Period. Exclamation marks! A question mark???????????</p> |

‡ Only regular variant.

§ Or use one of the following extensions: Graphite Font extension (<http://www.thanwinsoft.org/GraphiteOOoExt/>) or Typography toolbar (<http://extensions.services.openoffice.org/en/project/typo>).

* Insert symbols by the Word processor or by an Unicode input method (U+300–U+36F characters, http://en.wikipedia.org/wiki/Unicode_input)

† It hasn't worked in LibreOffice 3.3, yet.

‡ Preferred form, see in [The Elements of Typographic Style](#)

| | | | |
|---------------|--|---|---|
| | <i>hang=2 is for only hanging the inserted hyphen at hyphenation</i> | A better hyphenation, hyphenation, a hyphenation is a hyphenation, better hyphenation, hyphenation. | A better hyphenation, hyphenation, a hyphenation is a hyphenation, better hyphenation, hyphenation. |
| New glyphs | Cursive variant <i>j</i> and <i>f</i> for <i>gj</i> , <i>gf</i> combinations (frequent in Hungarian) + kerning | <i>gj, gf, gfi</i> <i>vágja, legjava, megjavít</i> <i>megfog, legfiatalabb, fogfájás</i> | <i>gj, gf, gfi</i> <i>vágja, legjava, megjavít</i> <i>megfog, legfiatalabb, fogfájás</i> |
| Kerning fixes | <i>Capitals + small caps (feature smcp)</i> | V A, A v, V Á, Á v | V A, A v V Á, Á v |
| | Feature <i>pnum</i> in superiors | 111 741 | 111 741 |
| | Multiple exclamation and question marks | !!! !!!! ??? | !!! !!!! ??? |

Catalan geminated l, also in small caps and superiors and other variants (see Feruglio et al.: [Modern Catalan Typographical Conventions](#), Tugboat, No. 3., 1995)

novel·le
NOVEL·LE
 NOVEL·LE
 novel·le

novelle
NOVELLE
 NOVELLE
 novelle
 NOVELLE

novel·le
NOVEL·LE
NOVEL·LE
novel·le
NOVEL·LE
NOVEL·LE
novel·le
NOVEL·LE
NOVEL·LE
 novel·le

novelle
NOVELLE
NOVELLE
novelle
NOVELLE
NOVELLE
novelle
NOVELLE
NOVELLE
 novelle
 novelle

Italic f + o/e dieresis (fix using short f)

fö, gfö, fë
 föld, legföljebb, fészë

fö, gfö, fë
 föld, legföljebb, fészë

Italic f + punctuation



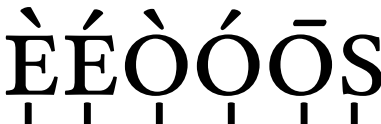
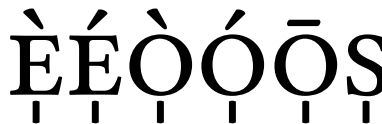

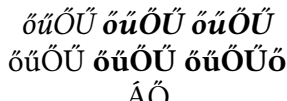
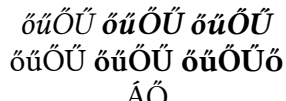
f” ff”

f” ff”

Hungarian long consonants and digraphs + gf and gj in Italic and superiors

bb, ly, ny,
ty, zz,
gy, ny

bb, ly, ny,
ty, zz,
gy, ny

| | | | |
|--|---|---|--|
| More small caps (feature smcp) | <i>New letters (using Unicode decomposition and combining diacritics)</i> |  Latvian: čšž, except āēģīķļņū Lithuanian: ačėšž, except ejuū Esperanto: ĉĝĥĵŝŭ |  Latvian: ĀČĒĢĪĶĻŅŠŪŽĻĻ Lithuanian: AČĖJŠŲŪŽ Esperanto: ĈĜĤĴŜŬ |
| | <i>Combining diacritics</i> |  Yoruba: ẹẹẹẹoóòòşş |  Yoruba: ẹẹẹẹoóòòşş |
| | <i>Small cap A variant (salt or sa08 + smcp) with diacritics</i> | A |  GRÓF ESTERHÁZY JÁNOS |
| | <i>Small cap A variant with kerning</i> | VAVAVAV | VAVAVÁV |
| Spaces (only in LibO 3.3) | <i>caps=2 with enlarged spaces</i> | A BIG TREE | A BIG TREE |
| | <i>feature nfsp: enlarged spaces between sentences</i> | A big tree. Small tree? A big tree. A small tree! Small? Big! | A big tree. Small tree? A big tree. A small tree! Small? Big! |
| Feature <i>algn</i> : more values | Value 1=1em, 2–4: 2–4 characters | | 1= 1, 2= 1, 3= 1, 4= 1 |
| Feature <i>lith</i> (fix feat. <i>liga</i>) | Optional switch for ligature “Th” | Thomas Quinn | Thomas Quinn |
| Ligature correction at hyphenation | <i>feature ligc: (default in Hungarian)</i> | „Egy fi-nom király-fi volna jó.” | „Egy fi-nom király-fi volna jó.” |
| Double-stroke capital letters | <i>feature dbls</i> | A Big CD | A Big CD |
| Other fixes | Corrected and new ligatures | <i>fi</i> | <i>ffi, ffj, fi, ffi, fi, ffi, fi, ffi, fj, ffj</i> |
| | Hungarian gy (improved forms) | – | <i>gy, gy, gy</i> |
| | Corrected letters |  őűŐŰ őűŐŰ őűŐŰ őűŐŰ őűŐŰ őűŐŰő ÁŐ |  őűŐŰ őűŐŰ őűŐŰ őűŐŰ őűŐŰ őűŐŰő ÁŐ |
| | Romanian (bold) | – | <i>ș, Ș, ț, Ț</i> |
| | Feature <i>name + caps</i> : Hungarian ordinal numbers | HarmincAdik | Harmincadik |
| | Feature <i>frsp</i> at text boundaries | Regular character after <i>italic</i> ! | Regular character after <i>italic</i> ! |

