

Font features of Linux Libertine G and Linux Biolinum G¹

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Set extended font names in LibreOffice/OpenOffice.org to use Graphite font features, eg.

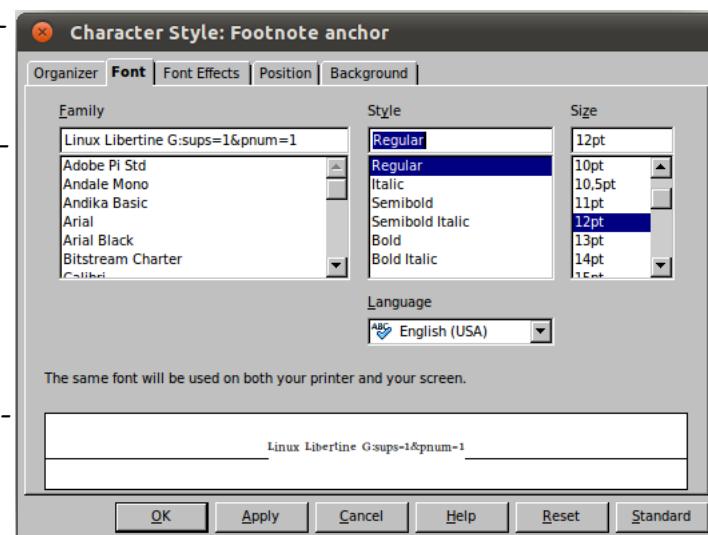
Linux Libertine G:smcp=1 (small caps)

Linux Libertine G:pnum=1&onum=1 (proportional old style numbers)

Example: using **true size variant** in foot-note anchoring fix the typical typographical problem of word processors (mixing regular letters with too light, unreadable minimized numbers).

1. Change the character position to *normal* in the default *Footnote anchor* character style,

2. and (see picture) set the font to Linux Libertine G:sups=1&pnum=1 (proportional superiors).



Ported and extended font features of Linux Libertine in Linux Libertine G

ID	Description	Test input	Result
c2sc	Capitals to Small Capital	Linux Libertine G	Linux Libertine G
case	Case-Sensitive Forms	(THE YEAR 2010)	(THE YEAR 2010)
cpsp	Capital spacing	LINUX LIBERTINE	LINUX LIBERTINE
dlig	Discretionary Ligatures	ck, ch, tz; ij	ck, ch, tz; ¹ ij ²
fina	Terminal Forms	σσσσσ	σσσσς
frac	Diagonal Fractions (value=1) Nut Fractions (value=2)	1/2, 1/3, 2/3, 1/4, 3/4, 1/99 1/2, 1/72, 1/256, 276/43	½, ¼, ¾, ¾, ¼, ½ ½, ¼, ¾, ¾, ¼, ½
hlig	Historic Ligatures	ct, st	ct, st
liga ³	Standard Ligatures	fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft, tt, Qu, QU, Th, °C °F, ..., !!, !?, ?!, ??, gf, gfi, gj, gy	fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft, tt, Qu, QU, Th, °C °F, ..., !!, !?, ?!, ??, gf, gfi, gj, gy ⁴
locl	Localized Forms in Latin	ſ, ſ, ſ, ſ, ſ, ſ	ſ, ſ, ſ, ſ, ſ, ſ
nalt	Alternate Annotation Forms	(1)-(20)	①-㉐

¹Linux Libertine G (<http://www.numbertext.org/linux>) based on Linux Libertine (<http://linuxlibertine.sf.net>)

²German ligatures: ck, ch, tz. Note: these are default ligatures in the italic font variant.

³Dutch ligature.

⁴Default feature.

⁴Cursive gy in Hungarian

⁵Only in Romanian texts.

onum	Oldstyle Figures	1 234 567 890	1 234 567 890
pnum	Proportional Numbers	1 111 111 111	1111111111
salt	Stylistic Alternatives	&, h, β, θ, κ, φ, ḥ, Ἀ	ᜂ, ḥ, ḁ, ḃ, ḏ, ḕ, ḗ, Ḙ, Ἀ
sinf	Scientific Inferiors	1 234 567 890abcdefgij	1 234 567 890abcdefgij
smcp	Lowercase to Small Capitals	abcdefghijklmnpq...	ABCDEFGHIJKLMNPQ...
ss01 ⁶	Style Set 1	Ä, Ö, Ü	Ä, Ö, Ü
ss02	Style Set 2	J, K, R	Ј, К, Р
ss03	Style Set 3	ß, ß, ß	ss, SS, ss
ss04	Style Set 4	ᜂ	ᜂ
ss05	Style Set 5	W	W
sups	Superscript	1 234 567 890abcdefgij	1234567890abcdefgij
zero	Slashed Zero	0	ø
ingl	Single Substitution	i, j	ı, ј

Extra font features of Linux Libertine G

ID	Description	Test input	Result
align ⁷	Right aligned numbers or footnote numbering signs (1=1em)	1 ‡ 10 § 100 **	1 ‡ 10 § 100 **
	Value 2=2, 3=3, 4=4 chars	2=1, 3=1, 4=1	2= 1, 3= 1, 4= 1
arti	Definitive article	1, 2, 3, 4, 5, ...	az 1, a 2, a 3, a 4, az 5, ... ⁸
caps	Capitalized forms (1=first letter, 2=all caps (Note: case and cpsp are activated with this option), 3=title caps, 4=title caps 2)	hundred fifty-one	Hundred fifty-one HUNDRED FIFTY-ONE Hundred Fifty-One Hundred Fifty-one
circ	Enclosed alphanumerics (1=circled, 2=parenthesized, 3=white on black, 4=double circled)	1, 2, 3, 4, 5, ...	1: ①, ②, ③, ④, ⑤, ... 2: (1), (2), (3), (4), (5), ... 3: ①, ②, ③, ④, ⑤, ... 4: ①, ②, ③, ④, ⑤, ...
dash	N-dash correction	Item - item item -, item - Item	Item – item item –, item – Item
dbls	Double-stroke letters	A Big CD	À Big CD
foot	Footnote numbering signs (1=*, †, ‡ ⁹ , 2=*, **, ***, ****)	1, 2, 3, 4, 5, 6, ...	*, †, ‡, §, **, ††, ... *, **, ***, †, ††, †††

⁶Default feature, except German languages.

⁷Add missing feature for OpenOffice.org, see [Issue 18326](#) and [Issue 33553](#).

⁸Only in Hungarian texts.

⁹In Hungarian texts foot=1 results *, **, ***, too.

frsp ¹⁰	French spacing	Go! Go? Go: Go; «Go»	Go! Go? Go: Go; «Go»
grkn	Numbers to Greek small letters	1, 2, 3, 4, 5, 6, 7, 8, 9, ...	α, β, γ, δ, ε, ζ, η, θ, ι, ...
hang	Hanging punctuation, hang=1	Co-operate, co-operate, operate, co-operate, co-operate, operate June–July, fine –really long– em dash. So “quotation” “marks” & punctuation. An exclamation mark! More question marks?	...Co-operate, co-operate, operate, co-operate, co-operate, operate June–July, final –really long– em dash. So “quotation” “marks” and punctuation. An exclamation mark! More question marks?
	Only single hyphens, hang=2 ¹¹	A hyphenation is a hyphenation.	A hyphenation is a hyphenation.
itlc <i>(not yet in LibO v3.4)</i>	<i>Italic correction, 1 = both side corrections on boundary spaces</i>	a <i>leaf</i> louse	a <i>leaf</i> louse
	<i>Value 2 = as above, but always right side correction</i>	<i>l</i>	<i>l</i>
ligc	Ligature correction at hyphenation (default in Hungarian)	„Egy fi-nom király-fi volna jó.”	„Egy fi-nom király-fi volna jó.”
lith	Extra switch for “Th” ligature	Thomas Quinn	Thomas Quinn
litt	Extra switch for “tt” ligature	matter	matter
minu ¹²	True minus sign	-1	-1
name ¹³	Number to number names (1=cardinal, 2=ordinal, 3=ordinal abbreviation)	99	1: ninety-nine 2: ninety-ninth 3: 99th
Warning! New Graphite 2 engine of LibreOffice 3.4/3.5 is not stable with feature name. Big numbers (>99) can crash LibreOffice!			
nfsp	Non French spacing: greater spaces between sentences.	One. Two? Ten! One.	One. Two? Ten! One.
para	Regular parenthesis in Italic	<i>Normal (slanted) signs</i>	<i>Normal (slanted) signs</i>
quot ¹⁴	Quotation mark correction	"item"	“item”
sa01-	sa99 for single salt items	<i>a&h</i>	<i>a&h</i>

¹⁰1/8 em spacing. Default in French and Hungarian texts.

¹¹Graphite integration hasn't supported real line end detection, yet. All character formatting boundaries can result hanging punctuation, so hang=2 limits it for hyphens with two boundaries, like hyphens added by automatic hyphenation.

¹²Default feature.

¹³It's dependent from the language of the text. Warning! Large numbers hasn't supported by LibO 3.4, yet.

¹⁴It's dependent from the language of the text.

texm	TeX-mode	$a^2, a_n^*, SO_4^2 \rightarrow \sum_k^n a_k = 1 \alpha_i$	$a^2, a_n^*, SO_4^{2-} \rightarrow \sum_{k=1}^n \alpha_i$
thou ¹⁵	Thousand separation value=1: from 10 000 value=2: from 1000 for tables	12345 1234	12 345 1234 (thou = 1) 1 234 (thou = 2)
vari	Variant	1st one hundred and one	1 st one hundred one

Supported languages of feature name¹⁶

Language	Code	Id	Example (spelling out of the Id)
Afrikaans	AFK	27	sewe-en-twintig
Catalan	CAT	37	trenta-set
Czech	CSY	42	čtyřicet dva
Danish	DAN	45	femogfyrre
Dutch	NLD	31	eenendertig
English	ENG	1	one
Esperanto	EO	200	ducent ¹⁷
German	DEU	49	neunundvierzig
Greek	ELL	30	τριάντα
Finnish	FIN	35	kolmekymmentäviisi
French	FRA	33	trente-trois
Hungarian	HUN	36	harminchat
Italian	ITA	39	trentanove
Luxembourgian	LBZ	201	zweehonnerteent
Polish	PLK	48	czterdzieści osiem
Portuguese	PTG	3	três
Romanian	ROM	40	patruzeci
Russian	RUS	7	семь
Serbian	SRPL	52	pedeset dva
Serbian (Cyrillic)	SRP	51	педесет један
Slovenian	SLV	50	petdeset
Spanish	ESP	34	treinta y cuatro
Swedish	SVE	46	fyrtiosex
Turkish	TRK	90	doksan

¹⁵Default feature (thou=1, thousand separation from 10 000).

¹⁶Multilingual solution for [OpenOffice.org Issue 92730](#), based on the data of <http://www.numbertext.org>.

¹⁷Only with explicit language code “lng=200”.

Symbols of TeX-mode

\alpha	\Delta	\notni	\Im
\beta	\Theta	\subset	\ell
\gamma	\Lambda	\supset	\aleph
\delta	\Xi	\not\subset	\emptyset
\epsilon	\Pi	\not\supset	\forall
\varepsilon	\Sigma	\sim	\exists
\zeta	\Upsilon	\nsim	\triangle
\eta	\Phi	\approx	\infty
\theta	\Psi	\mid	\partial
\vartheta	\Omega	\nmid	\angle
\iota		\parallel	\perp
\kappa	\pm	\not<	
\lambda	\mp	\not>	
\mu	\times	\parallel	\surd
\nu	\setminus	\not	\sum
\xi	\cap	\nparallel	\int
\pi	\cup	\gets	\iint
\varpi	\wedge	\leftarrow	\iiint
\rho	\vee	\uparrow	\oint
\varrho	\leq	\rightarrow	\prod
\varsigma	\geq	\to	\prime
\sigma	\le	\downarrow	
\tau	\ge	\leftrightarrow	\mathbb{C}
\upsilon	\not\le	\Leftarrow	\mathbb{H}
\phi	\not\ge	\Uparrow	\mathbb{N}
\varphi	\ll	\Rrightarrow	\mathbb{P}
\chi	\gg	\Downarrow	\mathbb{Q}
\psi	\neq	\Leftrightarrow	\mathbb{R}
\omega	\in	\hbar	\mathbb{Z}
\Gamma	\not\in	\Re	