

# Font features of Linux Libertine G and Linux Biolinum G<sup>1</sup>

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Set extended font names in 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)

## Ported 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)
dlig	Discretionary Ligatures	ck, ch, tz	ck, ch, tʒ
fina	Terminal Forms	σσσσσ	σσσσς
frac	Diagonal Fractions	1/2, 1/3, 2/3, 1/4, 3/4	½, ⅓, ⅔, ¼, ¾
hlig	Historic Ligatures	ct, st	ċt, sṫ
liga <sup>2</sup>	Standard Ligatures	fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft, tt, Qu, Th, °C, °F, ..., !!, !?, ?!, ??	fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft, tt, Qu, Th, °C, °F, ..., !!, !?, ?!, ??
locl	Localized Forms in Latin	ș, Ș, ț, Ț, ș, Ț	ș, Ș, ț, Ț, ș, Ț <sup>3</sup>
nalt	Alternate Annotation Forms	(1)–(20)	①–②②
onum	Oldstyle Figures	1 234 567 890	1 234 567 890
pnum	Proportional Numbers	1 111 111 111	1 111 111 111
salt	Stylistic Alternatives	&, h, β, θ, κ, φ, h, A	ℵ, h, β, θ, κ, φ, h, A
sinf	Scientific Inferiors	1 234 567 890 abcdefghij	1 234 567 890 abcdefghij
smcp	Lowercase to Small Capitals	abcdefghijklmnopq...	ABCDEFGHIJKLMNPOQ...
ss01 <sup>4</sup>	Style Set 1	Ä, Ö, Ü	Ä, Ö, Ü
ss02	Style Set 2	J, K, R	Ŷ, K, R
ss03	Style Set 3	ß, ß, ß	ss, SS, SS
ss04	Style Set 4	ℵ	ℵ
ss05	Style Set 5	W	W
sup	Superscript	1 234 567 890 abcdefghij	1 234 567 890 abcdefghij
zero	Slashed Zero	0	ø
ingl	Single Substitution	i, j	ı, J

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

<sup>2</sup>Default feature.

<sup>3</sup>Only in Romanian texts.

<sup>4</sup>Default feature, except German languages.

### Extra font features of Linux Libertine G

ID	Description	Test input	Result
<b>aln</b> <sup>5</sup>	Right aligned numbers or footnote numbering signs	1            ‡ 10          § 100        **	1            ‡ 10          § 100        **
<b>arti</b>	Definitive article	1, 2, 3, 4, 5, ...	az 1, a 2, a 3, a 4, az 5, ... <sup>6</sup>
<b>caps</b>	Capitalized forms (1=first letter, 2=all caps, 3=title caps, 4=title caps 2)	hundred fifty-one	Hundred fifty-one HUNDRED FIFTY-ONE Hundred Fifty-One Hundred Fifty-one
<b>circ</b>	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: ❶, ❷, ❸, ❹, ❺, ... 4: ①, ②, ③, ④, ⑤, ...
<b>dash</b>	N-dash correction	Item - item item -, item - Item	Item – item item –, item – Item
<b>foot</b>	Footnote numbering signs (1=*, †, ‡ <sup>7</sup> , 2=*, **, ***)	1, 2, 3, 4, 5, 6, ...	*, †, ‡, §, **, ††, ... *, **, ***, †, ††, †††
<b>frsp</b> <sup>8</sup>	French spacing (½ em: !, ?, :, ;)	Go! Go? Go: Go;	Go! Go? Go: Go;
<b>grkn</b>	Numbers to Greek small letters	1, 2, 3, 4, 5, 6, 7, 8, 9, ...	α, β, γ, δ, ε, ζ, η, θ, ι, ...
<b>minu</b> <sup>9</sup>	True minus sign	-1	–1
<b>name</b> <sup>10</sup>	Number to number names (1=cardinal, 2=ordinal, 3=ordinal abbreviation)	99	1: ninety-nine 2: ninety-ninth 3: 99th
<b>quot</b> <sup>11</sup>	Quotation mark correction	"item"	“item”
<b>texm</b>	TeX-mode	a^2, a_n*, SO_4^2^-\to \sum_k^n \alpha_i	a², a <sub>n</sub> *, SO <sub>4</sub> <sup>2-</sup> → Σ <sub>k=1</sub> <sup>n</sup> α <sub>i</sub>
<b>thou</b> <sup>12</sup>	Thousand separation value=1: from 10 000 value=2: from 1000 for tables	12345 1234	12 345 1234 (thou = 1) 1 234 (thou = 2)
<b>vari</b>	Variant	1st one hundred and one	1 <sup>st</sup> one hundred one

<sup>5</sup>Add missing feature for OpenOffice.org, see [Issue 18326](#) and [Issue 33553](#).

<sup>6</sup>Only in Hungarian texts.

<sup>7</sup>In Hungarian texts foot=1 results \*, \*\*, \*\*\*, too.

<sup>8</sup>Default in French and Hungarian texts.

<sup>9</sup>Default feature.

<sup>10</sup>It's dependent from the language of the text. It supports more than 20 languages, see later.

<sup>11</sup>It's dependent from the language of the text.

<sup>12</sup>Default feature (thou=1, thousand separation from 10 000).

### Supported languages of feature name<sup>13</sup>

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 <sup>14</sup>
German	DEU	49	neunundvierzig
Greek	ELL	30	триάντα
Finnish	FIN	35	kuusikymmentäviisi
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

### Symbols of TeX-mode

<code>\alpha</code> α	<code>\vartheta</code> θ	<code>\rho</code> ρ	<code>\psi</code> ψ
<code>\beta</code> β	<code>\iota</code> ι	<code>\varrho</code> ϱ	<code>\omega</code> ω
<code>\gamma</code> γ	<code>\kappa</code> κ	<code>\varsigma</code> Ϻ	<code>\Gamma</code> Γ
<code>\delta</code> δ	<code>\lambda</code> λ	<code>\sigma</code> σ	<code>\Delta</code> Δ
<code>\epsilon</code> ε	<code>\mu</code> μ	<code>\tau</code> τ	<code>\Theta</code> Θ
<code>\varepsilon</code> ε	<code>\nu</code> ν	<code>\upsilon</code> υ	<code>\Lambda</code> Λ
<code>\zeta</code> ζ	<code>\xi</code> ξ	<code>\phi</code> φ	<code>\Xi</code> Ξ
<code>\eta</code> η	<code>\pi</code> π	<code>\varphi</code> ϕ	<code>\Pi</code> Π
<code>\theta</code> θ	<code>\varpi</code> ϖ	<code>\chi</code> χ	

<sup>13</sup>Multilingual solution for [OpenOffice.org Issue 92730](http://www.openoffice.org/issue/92730), based on the data of <http://www.numbertext.org>.

<sup>14</sup>Only with explicit language code “Ing=200”.

<code>\Sigma</code> $\Sigma$	<code>\neq</code> $\neq$	<code>\uparrow</code> $\uparrow$	<code>\angle</code> $\angle$
<code>\Upsilon</code> $\Upsilon$	<code>\in</code> $\in$	<code>\rightarrow</code> $\rightarrow$	<code>\perp</code> $\perp$
<code>\Phi</code> $\Phi$	<code>\notin</code> $\notin$	<code>\to</code> $\rightarrow$	
<code>\Psi</code> $\Psi$	<code>\ni</code> $\ni$	<code>\downarrow</code> $\downarrow$	
<code>\Omega</code> $\Omega$	<code>\notni</code> $\nexists$	<code>\leftrightarrow</code> $\leftrightarrow$	<code>\surd</code> $\surd$
	<code>\subset</code> $\subset$	<code>\Leftarrow</code> $\Leftarrow$	<code>\sum</code> $\Sigma$
<code>\pm</code> $\pm$	<code>\supset</code> $\supset$	<code>\Uparrow</code> $\Uparrow$	<code>\int</code> $\int$
<code>\mp</code> $\mp$	<code>\notsubset</code> $\not\subset$	<code>\Rightarrow</code> $\Rightarrow$	<code>\iint</code> $\iint$
<code>\times</code> $\times$	<code>\notsupset</code> $\not\supset$	<code>\Downarrow</code> $\Downarrow$	<code>\iiint</code> $\iiint$
<code>\setminus</code> $\setminus$	<code>\sim</code> $\sim$	<code>\Leftrightarrow</code> $\Leftrightarrow$	<code>\oint</code> $\oint$
<code>\cap</code> $\cap$	<code>\nsim</code> $\not\sim$		<code>\prod</code> $\prod$
<code>\cup</code> $\cup$	<code>\approx</code> $\approx$	<code>\hbar</code> $\hbar$	<code>\prime</code> $'$
<code>\wedge</code> $\wedge$	<code>\mid</code> $\mid$	<code>\Re</code> $\Re$	
<code>\vee</code> $\vee$	<code>\nmid</code> $\nmid$	<code>\Im</code> $\Im$	<code>\mathbb{C}</code> $\mathbb{C}$
<code>\leq</code> $\leq$	<code>\ </code> $\ $	<code>\ell</code> $\ell$	<code>\mathbb{H}</code> $\mathbb{H}$
<code>\geq</code> $\geq$	<code>\not&lt;</code> $\nless$	<code>\aleph</code> $\aleph$	<code>\mathbb{N}</code> $\mathbb{N}$
<code>\leq</code> $\leq$	<code>\not&gt;</code> $\ngtr$	<code>\emptyset</code> $\emptyset$	<code>\mathbb{P}</code> $\mathbb{P}$
<code>\geq</code> $\geq$	<code>\parallel</code> $\parallel$	<code>\forall</code> $\forall$	<code>\mathbb{Q}</code> $\mathbb{Q}$
<code>\not\leq</code> $\nless$	<code>\not\ </code> $\nparallel$	<code>\exists</code> $\exists$	<code>\mathbb{R}</code> $\mathbb{R}$
<code>\not\geq</code> $\ngtr$	<code>\nparallel</code> $\nparallel$	<code>\triangle</code> $\triangle$	<code>\mathbb{Z}</code> $\mathbb{Z}$
<code>\ll</code> $\ll$	<code>\gets</code> $\leftarrow$	<code>\infty</code> $\infty$	
<code>\gg</code> $\gg$	<code>\leftarrow</code> $\leftarrow$	<code>\partial</code> $\partial$	