

GIANFRANCO BOGGIO – TOGNA

τεχνικά

Typesetting for the Humanities

How to typeset the examples

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Disclaimer

The texts come from several different sources of variable quality and have, occasionally, been modified to bring them in line with the printed edition used as reference or to allow the implementation of some interesting typographical feature. No value whatsoever should be attached to the texts as reference material: they should be treated as just a more readable variant of the classic *Lorem ipsum* ‘synthetic’ text (which is used in some of the examples).

Given the amount of material involved (nearly 100,000 lines), the examples have not been finely tuned in all typographical details to the standards one would normally apply in preparing a printed edition. Occasional minor infelicities, such as bad page breaks and ‘widow’ or ‘orphan’ lines, have been ignored.

The examples subdirectory

To typeset any of the example texts (after `τεχνικά` has been installed) you must move to the `examples` subdirectory, which contains the following files:

<code>examples.pdf</code>	this document
<code>example.sty</code>	a package required by all the example texts
<code>arden.hs</code>	a sample ‘house style’
<code>penguin.hs</code>	another sample ‘house style’
<code>typeset.bat</code>	A Windows XP batch file to typeset a single text
<code>typeseta.bat</code>	A Windows XP batch file to typeset all the example texts
<code>typeset.sh</code>	A <code>bash</code> script to typeset a single text
<code>typeseta.sh</code>	A <code>bash</code> script to typeset all the example texts

Texts in English that do not require `Babel`:

<code>antocleo.tex</code>	Shakespeare <i>Antony and Cleopatra</i>
<code>earnest.tex</code>	Wilde <i>The Importance of Being Earnest</i>
<code>hamlet.tex</code>	Shakespeare <i>Hamlet</i>
<code>harold.tex</code>	Byron <i>Childe Harold's Pilgrimage</i>
<code>leaves.tex</code>	A section from Whitman's <i>Leaves of Grass</i>
<code>mariner.tex</code>	Coleridge <i>The Ballad of the Ancient Mariner</i>
<code>metapoet.tex</code>	An anthology of metaphysical poets
<code>paradise.tex</code>	Milton <i>Paradise Lost</i>
<code>sonnets.tex</code>	Shakespeare <i>Sonnets</i>
<code>stoops.tex</code>	Goldsmith <i>She Stoops to Conquer</i>
<code>tempest.tex</code>	Shakespeare <i>The Tempest</i>
<code>lgs.tex</code>	A sampling of titles from D.L. Page's <i>Lyrical Graeca Selecta</i>

Texts that require Babel:

with option [ibycus]

<code>pythian7.tex</code>	Pyndar <i>Phytia</i> VII
<code>septem.tex</code>	Aeschilus <i>Septem contra Thebas</i>
<code>plato.tex</code>	Two short Platonic dialogues

with option [latin]

<code>caesar.tex</code>	Caesar <i>De bello gallico</i>
<code>carmina.tex</code>	Horace <i>Odes</i>

with option [italian]

<code>polizian.tex</code>	A selection of Poliziano's poetry
<code>aminta.tex</code>	Tasso <i>Aminta</i>

with option [ibycus,italian]

<code>foscolo.tex</code>	A selection of Foscolo's poetry and prose
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with option [french]

<code>phedre.tex</code>	Racine <i>Phèdre</i>
<code>barbier.tex</code>	Beaumarchais <i>Le barbier de Séville</i>
<code>cyrano.tex</code>	The 5th act of Rostand's <i>Cyrano de Bergerac</i>
<code>fleurs.tex</code>	Baudelaire <i>Les fleurs du mal</i>

with option [german]

<code>dcarlos.tex</code>	Schiller <i>Don Carlos</i>
<code>faust.tex</code>	The first part of Goethe's <i>Faust</i>
<code>woyzeck.tex</code>	Büchner <i>Woyzeck</i>

with option [spanish]

<code>juancruz.tex</code>	San Juan de la Cruz <i>Poesías</i>
<code>lavida.tex</code>	Calderon de la Barca <i>La vida es sueño</i>

`cyrano.tex`, `fleurs.tex`, `juancruz.tex` and `lavida.tex` require a font using the T1 encoding. `septem.tex` requires the `metre` package, available in `tex-archive/macros/latex/contrib`

`fleurs.tex` `carmina.tex` and `metapoet.tex` include code to generate some indexes. Index generation is disabled; to enable it, please follow the instructions in the **Indexes** section of the User Manual.

To typeset the texts you may either choose a do-it-yourself approach or take advantage of the scripts included in the distribution.

Do-it-yourself

Just sit patiently in front of your keyboard and enter the commands to typeset the texts, one by one. In most cases, a second run is necessary and you will get the appropriate message at the end of the first run. When you are finished, you may find some files with the extension `.rpt` in the subdirectory (see below); you can safely ignore or delete them.

The batch files and the bash scripts

L^AT_EX has no mechanism for typesetting a document with a single command, no matter how many runs may be required. This is not only tedious but also the source of much mystification: many users must have been baffled by the messages you get, for instance, if, after running L^AT_EX with `\usepackage{babel}`, you remove the reference to `Babel` and run L^AT_EX again.

For my own convenience, I implemented a very simple mechanism in `τεχνικά`. As T_EX has no provision for passing a *return code* to the operating system, the mechanism uses a file to pass the information. When the `repeat` option is specified for any of the packages of the suite (the option is set in all the example files), the main package, `TEXNIKA`, as it reports the need for a second run, also creates a file `\jobname.rpt` in the current directory.

To take advantage of this mechanism, two simple scripts are provided, each available both in a version for Windows XP and MiKTeX (as a file with extension `.bat`) and in a version for Bash (as a file with extension `.sh`).

`typeset` removes any stray files that may be left from a previous run, executes L^AT_EX and then checks for the existence of a file `\jobname.rpt`; if it is found, L^AT_EX is executed again (no more than two runs are ever needed, except for the generation of indexes). The script, by default, invokes `latex`; if run with the `-p` option, it invokes `pdflatex` instead.

`typeseta` typesets all the example texts (the `-p` option, if specified, applies to all the files). `typeseta` assumes that the formats include `Babel` with all the language options mentioned above; if you do not have all the options, or are just not interested in examples in some language, you will have to modify the script. `typeseta.sh` also reports some statistics about the files processed and the time required for typesetting them (a couple of minutes on a moderately fast machine).

`typeset.sh` and `typeseta.sh` require `bash` and `wc`, which should be available in any flavour of Unix/Linux. For DOS and Windows 98 you can get these GNU utilities from:

<http://www.delorie.com/pub/djgpp/current/v2gnu/bsh204b.zip>
<http://www.delorie.com/pub/djgpp/current/v2gnu/txt20b.zip>