Scholar\TeX

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Scholar\TeX\ is a collection of fonts, macros, preprocessor, hyphenation patterns, other related software and a 150-pages manual with many illustrations, examples, exercises and mottos. It’s purpose is to allow the use of \TeX\ in the following alphabets:

- **Greek:**
  - ancient as well as modern; input in 8-bit mode or entirely in 7-bit mode through ligatures; special Oxford symbols for epigraphical texts; hyphenation patterns in 7 or 8 bit mode. End-of-word ligature used for the final sigma.

- **Epigraphical Greek & Latin:**
  - over 200 glyphs of letters coming from ancient inscriptions; two fonts: the second being the mirror-image of the first is used for automatic boustrophedon typesetting; simplified input in an active uppercase letters environment.

- **Armenian:**
  - calligraphic or plain; slanted or straight; lowercase letter ligatures; input in 8-bit mode or entirely in 7-bit mode, through input ligatures; hyphenation patterns in 7 or 8 bit mode.

- **Arabic:**
  - for Arabic, Persian, Ottoman, Urdu, Pashto, Malaysian; input encoding user-defined; possibility of transliterated output; insertions and marginal notes; compatibility with \LaTeX\ and \TeX±\Metafont\ with unpointed letters for old manuscripts.

- **Hebrew:**
  - Hebrew and Yiddish; input encoding user-defined; possibility of transliterated output; insertions and marginal notes; compatibility with \LaTeX\ and \TeX±\Metafont\ with unpointed letters for old manuscripts.

- **Syriac:**
  - Estrangelo; input encoding user-defined; possibility of transliterated output; insertions and marginal notes; compatibility with \LaTeX\ and \TeX±\Metafont\ with unpointed letters for old manuscripts.

- **Old German:**
  - Fraktur and Schwabacher; end-of-word ligature used for the short s; hyphenation patterns adapted.

- **Phonetic alphabet:**
  - the WSUIP A fonts (public domain) compiled and their original documentation reproduced.

The aim of Scholar\TeX\ is to provide scholars the tools needed to typeset classical texts like the Bible (Hebrew, Syriac, Greek, Armenian), the Coran (Arabic), Homer’s Poems (Greek), the Anglo-Saxon Chronicle (Saxon), Goethe’s Faust (Old German) etc. Scholar\TeX\ is an evolutive package: according to the specific needs of users, new glyphs can be added or the existing modified.

Scholar\TeX\ is available in three versions, all three featuring bitmap (magstep 0 to 5), PostScript Type 1, EPSF and TrueType fonts, as follows:

<table>
<thead>
<tr>
<th>Version</th>
<th>Mac-Textures</th>
<th>PC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mac Suitcase</td>
<td>Macintosh Type 1 Format</td>
</tr>
<tr>
<td>PostScript</td>
<td>(Type 1 font, suitcase and AMS file)</td>
<td>PC Type 1 (AFM, PFM, PFB)</td>
</tr>
<tr>
<td>TrueType</td>
<td>Macintosh TrueType suitcase</td>
<td>PC TrueType (TTF)</td>
</tr>
</tbody>
</table>

PostScript Type 1 fonts are also available for the NeXT device.

Scholar\TeX\ also serves as a platform for the distribution of related public domain software after kindly permission of their authors; in all cases the original documentation is reproduced and the software is ready-for-use. For this release of Scholar\TeX\ are included:

- the WSUIP A fonts, as already mentionned,
- the SB32 implementation of \TeX±\Metafont\ and ivd2dvi (in the PC version).

The price of Scholar\TeX\ is $200 for individual users (please specify the version required); add $100 to obtain the sources (metafont, Pascal-WEB, PostScript).

The price for Academic Institutions and Publishers is $500 (sources included).

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