
***Les Cahiers GUTenberg* issue 57 (2012)**

Les Cahiers GUTenberg is the journal of GUTenberg, the French-language T_EX user group (www.gutenberg.eu.org).

THIERRY BOUCHE, Éditorial; pp. 3–4

CHARLES BIGELOW, Histoire d'O, d'o et de 0 [Oh, oh, zero!]; pp. 5–53

Published in *TUGboat* 34:2.

LA LISTE TYPOGRAPHIE, Microtypographie digitale [Digital microtypography]; pp. 55–63

Since its inception, the French TYPOGRAPHIE mailing list has always devoted a large part of its discussions to microtypography, with special emphasis on non-alphabetic glyphs and complex constructs. It is thus no surprise that the design of digits has been regularly discussed, as well as the problem of having them cohabit with letters within typeset pages. Here, we extract from the list archives (sympa.inria.fr/sympa/arc/typographie) three discussion threads dealing with issues such as the shape or the width of digits, especially oldstyle figures.

[Received from Thierry Bouche.]

T_EX Development Fund 2013–2014 report

T_EX Development Fund committee

MetaPost 2: Numerical engines

Applicant: Taco Hoekwater, The Netherlands,

<http://tug.org/metapost>.

Amount: US\$2000; acceptance date: 2 Dec 2009 (completed 24 May 2011).

Implement better numerical handling in MetaPost, among other enhancements. An article about the initial MetaPost 2 project goals, by Hans Hagen and Taco Hoekwater, was published in *TUGboat* 30:3. MetaPost 1.802, included in T_EX Live 2013, has support for several numeric representations, for example via the `-numbersystem` option.

Lineno and related updates

Applicant: Uwe Lueck, Germany,

<http://www.ctan.org/pkg/lineno>.

Amount: US\$1000; acceptance date: 17 Sep 2011.

For updates to the complex `lineno` package, and related efforts, such as factoring out functionality into separate packages.

X_qT_EX math and other updates

Applicant: Khaled Hosny, Egypt,

<http://www.ctan.org/pkg/xetex>.

Amount: US\$4000; acceptance date: 24 Apr 2012 (completed 25 Jul 2013).

For updates to the X_qT_EX engine, especially relating to OpenType math typesetting, and including updates as needed to LuaT_EX to keep the engines in sync. Several

important external libraries had been deprecated and needed to be replaced. Other areas of work include finding fonts and syncing `xdvipdfmx` with `dvipdfmx`, as well as handling general bug reports. A report on the completed work was given in *TUGboat* 34:2.

Dynamic library support in LuaT_EX

Applicant: Luigi Scarso, Italy,

<http://www.luatex.org/swiglib.html>

Amount: US\$2000; acceptance date: 31 May 2013.

Support shared libraries in LuaT_EX using SWIG (<http://www.swig.org>). Some libraries are already supported, e.g., `mysql` and `graphicsmagick`.

Metaflop: METAFONT via the web

Applicant: Marco Müller, Switzerland,

<http://www.metaflop.com>.

Amount: US\$1000; acceptance date: 20 Jun 2013

(completed 10 Aug 2014).

Enhance the Metaflop web application, which provides a graphical interface for adjusting Metafont parameters, with improvements to the underlying fonts, the preview mechanism, and the generation.

T_EX Live for Android

Applicant: Clerk Ma, China,

<http://code.google.com/p/texlive-for-android>.

Amount: US\$2000; acceptance date: 26 Jun 2013.

Add a native editor and package manager GUI to the T_EX Live for Android project. <http://tug.org/tug2013/abstracts/ma.txt> has more background.

Project Fandol: Free Chinese fonts and Russian-style math fonts

Applicants: Clerk Ma and Jie Su, China,

<http://code.google.com/p/fandol-font>.

Amount: US\$1000; acceptance date: 9 Aug 2013.

(Information below is from the applicants.) Most math books in China are produced by Founder Bookmaker. This system has used a set of Russian style math fonts for more than 30 years. These commercial fonts are designed with a unique encoding by Founder. And, these fonts cannot work in T_EX or other programs.

We have a set of metal types which contain two Russian style fonts (serif and sans serif). By analyzing these metal types, we find Founder's fonts are derived from these fonts, and Founder only provided a serif version (we will provide these math fonts in both serif and sans serif). These metal types were imported from the U.S.S.R. in 1953.

We will trace the metal fonts to outlines (initially in EPS format). For more detailed adjusting, we will be using FontForge. Parts of our Chinese fonts are already processed in this workflow. For these Russian style fonts, we will also work in this way.

◇ T_EX Development Fund committee
<http://tug.org/tc/devfund>