

Lucida OpenType fonts available from TUG

Karl Berry

The T_EX Users Group is happy to announce the availability of a new incarnation of the Lucida typeface family: Lucida OpenType. The web pages with ordering information, samples, documentation, and more are at <http://tug.org/lucida>. The previous Lucida Type 1 distribution is still available as well.

Usage

The Lucida OpenType fonts can be used with the T_EX engines that support OpenType, namely X_YT_EX and LuaT_EX, and with any other OpenType-aware application or system, such as LibreOffice/OpenOffice and Microsoft Word.

The Lucida OpenType distribution contains the following text fonts:

- **LucidaBrightOT** in the usual four variants: regular, italic, bold, bold italic;
- **LucidaSansTypewriterOT** (same four variants);
- **LucidaSansOT** (same four variants);
- and three special fonts: **LucidaBlackletterOT**, **LucidaCalligraphyOT**, **LucidaHandwritingOT**.

The first three of these font sets have been considerably extended and revised compared to the Type 1 distribution; for example, eastern European languages are generally supported now, and the math font includes a newly-designed script alphabet. The special fonts in the last item have simply been carried over from the Type 1 distribution.

In addition, there are two math fonts:

- **LucidaBrightMathOT**, a full OpenType math font, also extended and revised compared to the Type 1 Lucida math support. OpenType features are available to switch between some alternative glyph designs.
- **LucidaBrightMathOT-Demi**, a variant with bold letters in the normal positions, to be used for typesetting math within bold text, such as section headings. This is distinct from the math characters which are specified as bold in Unicode for specific semantics; those are bold in both math fonts.

A previous article [1] describes the context, history, and some technical aspects of the project.

Availability

The online order form for both Lucida OpenType and Lucida Type 1 is at <http://tug.org/lucida>. The pricing is the same for both distributions. Both individual and site licenses are available. There is a

substantial discount for members of TUG (and other T_EX user groups).

The Lucida distributions are released over the Internet only; there are no physical CDs. Lucida OpenType is available in either of two zip files: one has subdirectories arranged according to the T_EX Directory Structure (<http://tug.org/tds>), the other is a simple flat archive for those who have no need of T_EX directories. Both contain exactly the same files.

The Type 1 fonts are frozen and will not be developed further, while the OpenType fonts continue to be actively maintained and developed.

Credits

TUG gratefully acknowledges Charles Bigelow and Kris Holmes for their enthusiasm in enhancing their magnum opus, and Khaled Hosny for doing the technical work. Mojca Miklavec and Hans Hagen originally promulgated the project. Thanks to them and to additional volunteers for testing, suggestions, and advice: Taco Hoekwater, Bogusław Jackowski, Will Robertson, Michael Sharpe, and Ulrik Vieth. And many thanks to our stalwart beta testers and reviewers: Barbara Beeton and Stephen Moye at the AMS, Axel Retif, and Steve Peter.

Samples

ABC xyz JKL o248	LucidaBrightOT
ABC xyz o248	<i>LucidaBrightOT-Italic</i>
ABC xyz JKL o248	LucidaBrightOT-Demi
ABC xyz o248	<i>LucidaBrightOT-Demitalic</i>
ABC xyz	LucidaSansTypewriterOT
ABC xyz	<i>LucidaSansTypewriterOT-Oblique</i>
ABC xyz	LucidaSansTypewriterOT-Bold
ABC xyz	<i>LucidaSansTypewriterOT-BoldOblique</i>
ABC xyz	LucidaSansOT
ABC xyz	<i>LucidaSansOT-Italic</i>
ABC xyz	LucidaSansOT-Demi
ABC xyz	<i>LucidaSansOT-DemiItalic</i>
ABC xyz	<i>LucidaBlackletterOT</i>
ABC xyz	<i>LucidaCalligraphyOT</i>
ABC xyz	<i>LucidaHandwritingOT</i>
$e^{i\pi} + 1 = 0$	LucidaBrightMathOT
$e^{i\pi} + 1 = \mathbf{0}$	LucidaBrightMathOT-Demi

References

- [1] Ulrik Vieth and Mojca Miklavec, Another incarnation of Lucida: Towards Lucida OpenType. *TUGboat* 32:2, pp. 169–176, 2011. tug.org/TUGboat/32-2/tb101vieth.pdf.

◇ Karl Berry
<http://tug.org/lucida>