
**ConTeXt Group: Proceedings,
6th meeting (2012)**

The ConTeXt Group publishes proceedings of the annual ConTeXt meetings.

<http://group.contextgarden.net>.

Dayplan; pp. 5–6

Schedule of talks.

MARI VOIPIO, CrafTeX; p. 7

[Expanded version published in *TUGboat* 33:3.]

TACO HOEKWATER, MetaPost: PNG Output;
pp. 8–9

[Published in *TUGboat* 34:2.]

PATRICK GUNDLACH, Database publishing with
LuaTeX and the speedata Publisher; p. 10

Database publishing is the repetitive (semi-)automatic transformation from a data source to some kind of output (HTML, PDF, EPUB, ...). A common demand in high volume output is to optimize page usage. Our software (called ‘speedata Publisher’) is written in Lua and makes heavy use of the LuaTeX engine. We use TeX to break paragraphs into lines, arrange the programmatically created boxes and glue for layout of complex tables and to write clean PDF. The publisher is released under the AGPL.

WILLI EGGER, Minutes of the 2nd ConTeXt
Group membership meeting; pp. 11–12

TACO HOEKWATER, MetaPost path resolution
isolated; pp. 13–18

A new interface in MPLib version 1.800 allows one to resolve path choices programmatically, without the need to go through the MetaPost input language.

TACO HOEKWATER, Parsing PDF content streams
with LuaTeX; pp. 19–23

The new `pdfparser` library in LuaTeX allows parsing of external PDF content streams directly from within a LuaTeX document. This paper explains its origin and usage.

LUIGI SCARSO, MFLua: Instrumentation of
METAFONT with Lua; pp. 24–35

[Published in *TUGboat* 32:2.]

WILLI EGGER, Conference portfolio; pp. 36–40

In accordance with the conference’s theme, a workshop for making a portfolio binder was held. The portfolio was made so it could carry the papers for the conference, such as preprints of the proceedings, additional papers and the carpenter’s pencil given to each participant. The construction is made from a single sheet of cardboard with folded flaps along

three sides, so that it completely envelops the content. The portfolio is held closed by a black elastic band.

HANS HAGEN, Simple spreadsheets; pp. 41–51

Occasionally a question pops up on the ConTeXt mailing list such that answering it becomes a nice distraction from a boring task at hand. The spreadsheet module is the result of such a diversion. As with other support code in ConTeXt, this is not a replacement for ‘the real thing’ but just a nice feature for simple cases. Of course some useful extensions might appear in the future.

HANS HAGEN and IDRIS SAMAWI HAMID,
Oriental TeX: Optimizing paragraphs; pp. 52–81

One of the objectives of the Oriental TeX project has always been to play with paragraph optimization. The original assumption was that we needed an advanced non-standard paragraph builder to handle Arabic correctly, but in the end we found that a more straightforward approach is to use a sophisticated OpenType font in combination with a paragraph postprocessor that uses the advanced font capabilities. This solution is somewhat easier to imagine than a complex paragraph builder but still involves quite some juggling.

JEAN-MICHEL HUFFLEN, MIBIBTeX and its new
extensions; pp. 82–91

These last years, MIBIBTeX’s kernel functions have been reused and extended in order to put new programs about bibliographies into action. Examples are the `hal` program, allowing an open archive site to be populated, the `mlbiblatex` program, building bibliographies suitable for the `biblatex` package, the `mlbibcontext` program, doing the same task for ConTeXt documents. We show how all these programs are organised, and explain how some operations can be refined or extended. From an efficiency point of view, the programs `mlbiblatex` and `mlbibcontext` are written using Scheme only, so they are more efficient than analogous programs that would interpret a `.bst` bibliography style of BIBTeX.

JEAN-MICHEL HUFFLEN, Demonstration of the
`mlbibcontext` program; pp. 92–93

This short statement aims to sketch the broad outlines of the presentation performed at the 6th ConTeXt meeting.

Abstracts; pp. 94–95

Participant list of the 6th ConTeXt meeting;
pp. 96–97

[Received from Taco Hoekwater.]