

Abstracts without papers

Ligatures, hyphenation and kerning

Hans Hagen

Although anything is possible concerning ligatures, hyphenation and kerning, some things are hard to support concurrently. One reason is conflicting demands, another is complexity and, of course, performance also plays a role. We will explore some of these issues in this presentation.

Metafun

Hans Hagen

The last year, the low level ConT_EXt-Metafun interface was upgraded a bit and as a side effect some new commands were added. These changes has had an impact on the readability of code as well as an improvement in performance. We will show the changes and discuss new possibilities. You can make your wishlist here.

Tokens

Hans Hagen

In this more technical talk I will explain how the new token scanners in LuaT_EX have influenced the latest version of the T_EX-Lua interface in ConT_EXt. This was a rather massive low-level update. This talk gives you an idea why for a while the beta had some related parsing bugs and why the change was needed.

T_EX, ConT_EXt, Lua, MetaPost, XML or several (or all) of the above?

Alan Braslau

ConT_EXt is based on LuaT_EX, so we have T_EX, ConT_EXt as well as Lua appearing in our code. But ConT_EXt also integrates mplib, thus MetaPost syntax also is very present. Furthermore, XML input is also supported, and a ConT_EXt workflow can be mostly based on XML.

Much of ConT_EXt mixes T_EX(ConT_EXt) syntax with Lua helpers, but this can be mostly transparent to the user. MetaPost, too, now can exchange information and make use of Lua code for tasks

such as the processing of data, and this changes our approach to programming functionality. Indeed, each syntax is well tuned towards its principal task so we need to isolate tasks to environments that are best suited. But how can we do this?

This will be more of a discussion with a follow-up session where solutions will be explored.

Evidence-based hyphenation: a wishlist

Arthur Reutenauer

Hyphenation, or word division, is a central part of any typographical system and has always been close to the heart of T_EX programmers. It is also an area that shows a lot a variety, both between languages and between different styles within the same language. In this talk I will show actual examples of this diversity and draw up a list of requirements of what users can expect from ConT_EXt.

A short history of the alphabet — and writing

Taco Hoekwater

Before humans invented typing, textual communication was done using handwriting and the occasional bit of chiseling. Our current alphabet did not suddenly appear ready-made, and over time there were also many trends in handwriting style. This is a short overview on how we got from pens and clay tablets to virtual keyboards and computer tablets.

CLD in Production

Taco Hoekwater

DocWolves B.V. uses ConT_EXt to generate PDF for meeting attendees. Recently, we rewrote the system to make use of ConT_EXt Lua Documents instead of the more traditional T_EX macro based approach.