

Abstracts without papers

Hans Hagen, Netherlands

MathML, an update

Support for MathML has been built in ConT_EXt for over a decade. The interpreter and renderer has been adapted to upgrades in the standard. In the meantime we can also export presentational MathML and has been adapted (provisionally) to MkIV. In the process of upgrading some math mechanisms we (Aditya and Hans) are keeping an eye on MathML too. One of the objectives is to get both ways of rendering in sync as much as possible. Of course it goes without saying that Unicode Math plays an important role in this.

Even if you never encode in MathML and/or Unicode Math, it might of of interest to see how the Web influences the way aspects of ConT_EXt evolve.

MetaPost, how we adapt

In MkIV we already use some of the new features introduced in MPLib and in metafun we had adapted some extensions to used some of them. Last year the metafun extensions have been upgraded completely and some new functionality has been added. Now that the latest MPLib has dropped some rather strict limitations in the upper bounds of numbers we can more conveniently use MetaPost for drawing graphs and visualizing data.

[One aspect that we can discuss into this context is namespaces.]

Adapting the rendering

In MkIV the structure related code provides a bit more control over the final rendering. There are more hooks and as (additional user) information is carried around you can do more advanced things than before.

Sorting registers

The sorter in MkIV can be tuned for specific purposes by using specific properties of characters. An example of specific demand is sorting of

Korean and this can serve as an example. In this perspeive we can discussion how we need to deal with a mix of languages (cultural aspects).

Widgets (and pdf trickery)

This can be a discussion session: what more do we need (we can use swf as an example of recent extensions). To what extend do we need to adapt to developments in pdf.

Taco Hoekwater, Netherlands

Using large numbers in MetaPost

MetaPost version 2.0 will allow users to use a much large range and precision for numerical values. The talk + workshop will explain how that extension is done and what the implications are for writing MetaPost image code.

Publishing ConT_EXt modules revisited

The modules section of contextgarden.net will be completely different by the time of the meeting. The new version will make use of the infra- structure that is offered by <http://tlcontrib.metatex.org>. In the process, new features will be added also. This talk will explain how to use the new system both for uploading and for downloading ConT_EXt modules.

Thomas Schmitz, Germany

Presentations in xml with the simpleslides module

This is a presentation which will showcase an application of what we've seen in the tutorial: presentations for talks are information which is ideal to have in xml format. From the same input file, you can generate the slides, a manuscript for the speaker, handouts, or web pages which present a simplified version of the slides. I will show how I use xml and ConT_EXt style sheets to achieve this. And of course, I will be using the simpleslides module which Aditya and have been developing in the past years.

Typesetting an Edited Volume with ConT_EXt

This is a very practical presentation of what it means to use ConT_EXt for a collaborative volume. I have just finished editing such a volume for a German publisher (it may be out by the time the conference starts). I want to show the setup of such a volume as a ConT_EXt project, but in particular, I want to focus on the process of collaborating with users on quite different levels of computer skills. If you're really lucky, I will manage to tell you about my adventures with technological troglodytes without breaking down in tears!

Jean-Michel Hufflen, France

Bibliography tools and ConT_EXt/LuaT_EX

First, we recall the successive steps of the task performed by a bibliography processor such as BibT_EX. Then we show how this modus operandi has been adapted by tools such as the packages

natbib, jurabib, biblatex. We also explain the advantages and drawbacks of using other processors like Biber or MIBibT_EX. The sections of this talk are the same than in the talk that will be given in TUG 2011, but is adapted to ConT_EXt and LuaT_EX users.

John Haltiwanger, The Netherlands

The Markdown module and the beauty of pre-formats

Though the xml and xhtml export functionality lowers the barriers to using Context as a standard input for multi-output typesetting, there are strong reasons to still consider using a pre-format such as Markdown while writing. This presentation will focus on the capacities of Markdown, how it integrates with Context using Hans' new m-markdown module, and the future of pre-formats as I see it.