

**Introductory**

- 138 *Barbara Beeton* / Thoughts on TUG 2010  
 • reflections on the 2<sup>5</sup> anniversary conference
- 173 *Karl Berry* / T<sub>E</sub>X Live 2010 news  
 • summary of notable changes in the T<sub>E</sub>X Live 2010 software release
- 143 *Jim Hefferon* / CTAN packages get keywords  
 • keywords and topical characterizations of all CTAN packages
- 121 *Donald Knuth* / An Earthshaking Announcement  
 • iT<sub>E</sub>X\*
- 117 *David Walden* / TUG 2010 conference report  
 • notable events and a table showing the breadth of presentations
- 125 *David Walden (moderator)* / TUG 2010 Panel: Don Knuth & Stanford T<sub>E</sub>X Project members  
 • edited transcript of the panel discussion

**Intermediate**

- 151 *Pavneet Arora* / Using L<sup>A</sup>T<sub>E</sub>X to generate dynamic mathematics worksheets for the web  
 • mathematical practice as a learning strategy for grade school mathematics
- 183 *Bart Childs* / Thirty years of literate programming and more?  
 • introduction to, experiences with, state of literate programming
- 154 *Walter Gander* / Writing the first L<sup>A</sup>T<sub>E</sub>X book  
 • first use of L<sup>A</sup>T<sub>E</sub>X for a book, a numerical analysis textbook in German
- 174 *Taco Hoekwater* and *Hartmut Henkel* / LuaT<sub>E</sub>X 0.60: An overview of changes  
 • notable changes since LuaT<sub>E</sub>X 0.40: CWEB, .ttc support, more
- 158 *Alan Hoenig* / T<sub>E</sub>X helps you learn Chinese character meanings  
 • design and production of **ezchinesey.com** books
- 221 *Johannes Küster* / Math never seen  
 • quality criteria for mathematical symbols, with many examples and a proposal for a new gcd symbol
- 236 *Boris Veytsman* and *Leila Akhmadeeva* / T<sub>E</sub>X in the GLAMP world: On-demand creation of documents online  
 • creation of medical pedigrees via the web, and initial educational use
- 145 *Herbert Voß* / From PostScript to PDF with **epstopdf**, **pdftricks**, **pst-pdf**, **auto-pst-pdf**, **pst2pdf**, and more  
 • using PSTricks, EPS images, et al., while creating PDF output

**Intermediate Plus**

- 206 *Mathieu Bourgeois* and *Roger Villemaire* / Drawing structured diagrams with SDDL  
 • producing diagrams for discrete mathematics and computer science
- 203 *John Bowman* / Asymptote: Interactive T<sub>E</sub>X-aware 3D vector graphics  
 • advances in Asymptote's 3D processing and more
- 193 *Michael Doob* / A web-based T<sub>E</sub>X previewer: The ecstasy and the agony  
 • constructing a security-conscious on-line T<sub>E</sub>X previewer
- 178 *Hans Hagen* / LuaT<sub>E</sub>X: PDF merging  
 • merging PDF images, with links and layers, in LuaT<sub>E</sub>X and ConT<sub>E</sub>Xt
- 240 *William Hammond* / L<sup>A</sup>T<sub>E</sub>X profiles as objects in the category of markup languages  
 • reliable automatic translations between markup languages
- 211 *Will Robertson* / Unicode mathematics in L<sup>A</sup>T<sub>E</sub>X: Advantages and challenges  
 • background, current fonts, and futures for Unicode math typesetting
- 162 *Didier Verna* / Classes, styles, conflicts: The biological realm of L<sup>A</sup>T<sub>E</sub>X  
 • an extended analogy between L<sup>A</sup>T<sub>E</sub>X and biological organisms and viruses
- 189 *Uwe Ziegenhagen* / Dynamic reporting with R/Sweave and L<sup>A</sup>T<sub>E</sub>X  
 • integration and literate programming of L<sup>A</sup>T<sub>E</sub>X with the statistical programming language R

**Advanced**

- 180 *Hans Hagen* / The T<sub>E</sub>X paragraph builder in Lua  
 • reimplementing the T<sub>E</sub>X line breaking algorithm in Lua
- 197 *Idris Samawi Hamid* / Qur<sup>ā</sup>nīc typography comes of age: Æsthetics, layering, and paragraph optimization in ConT<sub>E</sub>Xt  
 • advanced Arabic typography in the Oriental T<sub>E</sub>X project
- 148 *Stephen Hicks* / Improving margin paragraphs  
 • avoiding marginal notes off the bottom of the page, and more
- 230 *Boris Veytsman* / Are virtual fonts obsolete?  
 • modern uses for virtual fonts, with discussion of fonts in X<sub>ƒ</sub>T<sub>E</sub>X

**Reports and notices**

- 114 TUG 2010 conference information
- 248 TUG 2010 abstracts (Bazargan, Cheswick, Doumont, Grathwohl & Ruddy, Hagen & Hoekwater, Hobby, Kew, Mittelbach, Moore, Rowley, Rundell)
- 250 Sponsors
- 253 Calendar
- 254 T<sub>E</sub>X consulting and production services
- 255 Institutional members
- 256 *Jim Hefferon* / TUG 2011 election