

Programming Dynamic L^AT_EX Documents

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Abstract This talk will present an overview of a co-operative programming model for generating dynamic L^AT_EX documents. The basic aim, at least in the area of computational science where the model was conceived, is to allow researchers to substantiate scientific articles with inline computer simulations whose code is open to hard scrutiny.

The current implementation (see <http://www.amrita-ebook.org/drink-me>) leverages off pdfL^AT_EX in a sufficiently general manner to be of interest beyond its specialist origins. And the talk will describe how T_EX is utilized to bring out its typesetting strengths, while hiding its programming weaknesses. Thus the material might serve to add a fresh perspective on the developments needed to keep T_EX relevant in the 21st century.

Addendum:

As of January 6, 2005, AMRITA has a new website: <http://www.amrita-ebook.org/> which describes what the system is all about. It has a number of nice PDF examples. The URL link <http://www.amrita-ebook.org/doc/> will point you to some AMRITA-pdfT_EX generated documents that might be of interest.