Math authoring on xfy

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Abstract

Xfy is a framework provided by JUSTSYSTEM for authoring and editing compound XML documents. It enables us to handle multiple XML vocabularies, such as MathML, SVG, and so on, in a workspace. Furthermore it has extensible architecture (plugin and VCD) to manage foreign XML vocabularies. In this talk, we provide two types of plugins for authoring MathML presentation markup. One is MathML editor and another is 2D/3D plot to view algebraic functions. Editing MathML documents by the editor, the plots are updated in real time. We can apply these plugins and xfy for interactive educational contents.