

An authoring tool for Math Web with pen-based formula input interface

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Abstract

Math Webs – from large Web-course systems to personal Web sites of teachers – are giving an important new prospect in education for both students and teachers. However, the existing math web sites are, in most cases, copies of printed math texts or some extracts of them. At current stage, the development of easy methods to author more "dynamic" and "interactive" math web is desired for the success of web-based or web-assisted education of mathematics. In the talk, as a first step toward this direction in our research project Infty (<http://www.inftyproject.org/>), I will present an authoring tool for math web having blank boxes (answer boxes) in which students can input math expressions using pen-interface. The blank boxes return some actions depending on the answers input by students.