From LaTeX to MathML and Beyond

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Abstract   LaTeX is a high-level authoring language offering a special attention to mathematics. MathML is a low-level markup language representation for mathematics, suitable in particular for machine processing. Nemeth code, the standard used in North America for representing mathematics in braille, is a complex linear notation based on 63 symbols.

In recent years Eitan Gurari has been involved with the development of the TeX4ht tool for translating LaTeX to hypertext, and of a tool for translating hypertext to braille. The presentation will discuss the use of LaTeX for authoring content for the Web, with emphasis on MathML production. Lessons learned from translating LaTeX to braille through MathML will also be considered.