

1125-97-3046 **Matt Boelkins** (boelkinm@gvsu.edu), **Oscar Levin*** (oscar.levin@unco.edu) and **Bruce Yoshiwara** (byoshiwara@gmail.com). *Interactive textbooks in MathBook XML*.

A growing number of mathematics teachers are creating their own course materials, notes and even textbooks. MathBook XML (<http://mathbook.pugetsound.edu/>) is a free and open source application and markup language which allows these documents to be easily converted to a number of formats, including interactive webpages. These webpages allow for a variety of student centered features, including embedded WeBWork problems, interactive Sage cells, and a rich and intuitive cross-referencing mechanism. We will demonstrate some of these features by showcasing a number of ongoing open textbook projects from the authors and others. (Received September 20, 2016)