ASCIIMath 2.0: A free way to add formulas and graphs to webpages

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Abstract: This talk describes the latest version of the ASCIIMath language, and how to use it on your own webpages. ASCIIMath is a small JavaScript program that translates a simple text based formula language into MathML while the webpage loads. It now also includes a simple graphics language that allows the inclusion of interactive SVG pictures.

In this brief introduction I will show how ASCIIMath can be used to write math notes and homework on a computer locally, as well as in a course management system like Moodle. The emphasis is on empowering students to communicate and illustrate mathematics online, without requiring them to learn LaTeX or buy proprietary software. Examples and download links can be found at `www.chapman.edu/~jipsen/asciimath.html`.