

## **Math on the Web with LaTeX and MathJax**

Steven J. Wilson, Professor of Mathematics, Johnson County Community College  
Kansas City Regional Math Technology Expo, October 7, 2011

“MathJax is a cross-browser JavaScript library that displays mathematical equations in web browsers, using LaTeX math and MathML markup. MathJax is released as open-source software under the Apache license.” – Wikipedia

The web page author writes math using LaTeX, a script tag in the web page invokes MathJax, and the browser reads it using either MathML or STIX fonts (if available) or images (if not).

**MathJax WebSite:** <http://www.mathjax.org/>

**LaTeX WebSite:** <http://www.latex-project.org/>

**Browser Compatibility:** IE 6, Firefox 3, Chrome 0.3, Safari 2, Opera 9.5, Konqueror 4, iPad/iPhone, Android, Blackberry OS 6, Symbian. (NO DOWNLOADS NEEDED)

### **Primary Instigators:**

Project Director: Robert Miner, Design Science

Lead Developer: Davide Cervone, Union College, Schenectady, New York

### **Short History:**

- 2009, project begun by Design Science
- 12 Jan. 2010, Beta version released
- 4 Aug. 2010, Version 1 released
- 14 Mar. 2011, Version 1.1 released, CDN service available
- 10 June 2011, Version 1.1a released (current version)

**Sponsors:** AMS, SIAM, and Design Science

**Partners & Supporters:** Project Euclid, London Mathematical Society, Elsevier, WebAssign, American Institute of Physics, American Physical Society, Optical Society, IOP Publishing, IEEE, StackExchange

**Some Other Users:** MathDL , MathSciNet, Khan Academy