

1145-L1-2335      **Daide P Cervone\*** (dpvc@union.edu) and **Volker Sorge** (v.sorge@mathjax.org). *MathJax v3: Modern Mathematical Typesetting for the Web.*

MathJax is a javascript program that has been making it easy to typeset mathematics (in L<sup>A</sup>T<sub>E</sub>X, MathML, or AsciiMath formats) within web pages for ten years. Over that time, however, much has changed with the features available in web browsers, and with website design technologies. MathJax version 3 is a complete rewrite of MathJax from the ground up that takes advantage of modern web tools and programming paradigms. In this presentation, we discuss the new organization of MathJax v3, how it differs from version 2, and why some of the changes were made. We give examples of how version 3 can be used both in the browser and on a server, and describe some mechanisms for creating extensions and additions. (Received September 25, 2018)