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MathJax is a JavaScript library for displaying mathematics in web pages and making it accessible for those using assistive technology. It understands TeX/LaTeX, MathML, and AsciiMath notations and can generate typeset mathematics in HTML, SVG, or MathML formats.

It can run live in a browser, or can be used on a server to pre-process mathematics. MathJax supports assistive technology, such as screen readers, and provides interactive exploration and summarization of mathematical expressions, presenting them in smaller, more easily understood chunks.

## USE CASES

Supports mathematical output in electronic journal publications (e.g., MathSciNet, SIAM journals, IEEE Journals, Elsevier journals, Springer Nature, etc.)

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Supports mathematical output in on-line resources like Wikipedia, StackExchange, educational tools like WeBWorK, e-book readers, and so on.

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Provides support for screen readers, braille output, and other assistive technology for documents containing mathematics.

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## PLANNED FEATURES

- + Support for additional math fonts.
- + Support for automatic line breaking of long mathematical expressions.
- + More localization options, both for the assistive technology, and the MathJax interface itself.

## PROJECT NEEDS

Complete font toolchain and support for additional math fonts for use in mathematical equations on line

\$50,000

Develop support for accessible mathematical diagrams (e.g., implement the TikZ library in MathJax)

\$200,000

Improve the documentation of the internals and API for MathJax, and create more examples illustrating the various ways MathJax can be used.

\$65,000



For more information on MathJax!, including our governance structure and project roadmap, please visit

<http://www.mathjax.org/>

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