

KaTeX

KaTeX is a cross-browser JavaScript library that displays mathematical notation in web browsers. It puts special emphasis on being fast and easy to use.^[2]

It was initially developed by Khan Academy,^[3] and became one of the top five trending projects on GitHub in September 2014.^[4]

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Features

KaTeX rendering of math claims to be:

- Fast: It renders its math synchronously and doesn't need to reflow the page.
- Print quality: Its layout is based on TeX.
- Self contained: It has no dependencies, so it can be easily bundled.
- Capable of server-side rendering: it has an option to generate HTML on the server (so, for example, one can pre-render expressions using Node.js and send them as plain HTML).

However, compared to MathJax, it handles only a more limited subset of LaTeX's mathematics notation.^[2]

See also


- MathML

References

- "Release v0.11.1" (<https://github.com/Khan/KaTeX/releases/tag/v0.11.1>). *KaTeX*. 2019-09-18.
- von Gagern, Martin; Richter-Gebert, Jürgen (2016), "CindyJS Plugins", in Greuel, Gert-Martin; Koch, Thorsten; Paule, Peter; Sommese, Andrew (eds.), *Mathematical Software – ICMS 2016: 5th International Conference, Berlin, Germany, July 11–14, 2016, Proceedings*, Lecture Notes in Computer Science, **9725**, Springer, pp. 327–334, doi:10.1007/978-3-319-42432-3_40 (https://doi.org/10.1007%2F978-3-319-42432-3_40)

KaTeX



Stable release	v0.11.1 ^[1] / September 18, 2019
Repository	github.com /Khan/KaTeX (https://github.com/Khan/KaTeX) 
Written in	JavaScript
Operating system	Cross-platform
Type	Mathematical software
License	MIT License
Website	katex.org (https://katex.org/)

3. Venkatesan, S. K. (2015). "T_EX as a three-stage rocket: Cookie-cutter page breaking". *TUGboat*. T_EX User's Group. **36** (2): 145–148.
4. Marvin, Rob (September 19, 2014), "Top 5 projects trending on GitHub this week" (<http://sdtimes.com/awesome-node-js/top-5-projects-trending-on-github-this-week-42/>), *SD Times*

External links

- [Official website \(https://khan.github.io/KaTeX/\)](https://khan.github.io/KaTeX/)
 - "KaTeX is a (partial) alternative to (some of) MathJax" (<http://aperiodical.com/2014/09/katex-the-fastest-math-typesetting-library-for-the-web/>)
 - "KaTeX - a new way to display math on the Web" (<http://www.intmath.com/blog/mathematics/katex-a-new-way-to-display-math-on-the-web-9445>)
 - KaTeX-MathJax comparison (<http://www.intmath.com/cg5/katex-mathjax-comparison.php>)
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