

![[Uncaptioned image\]](x8.png)

![[Uncaptioned image\]](x9.png)

1. [Usage](usage.html "In LaTeXML A LaTeX to XML/HTML/MathML Converter")
2. [Get LaTeXML](get.html "In LaTeXML A LaTeX to XML/HTML/MathML Converter")
3. [Contacts & Support](contact.html "In LaTeXML A LaTeX to XML/HTML/MathML Converter")
4. [License & Notices](notices.html "In LaTeXML A LaTeX to XML/HTML/MathML Converter")

[^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ The^ Manual](./manual/)

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LaTeXML^ _A LaTeX^ to XML/HTML/MathML Converter_

keywords:

LaTeXML, LaTeX to XML, LaTeX to HTML, LaTeX to MathML, LaTeX to ePub,
converter

Now available : [LaTeXML^ 0.8.8](get.html "In LaTeXML A LaTeX to
XML/HTML/MathML Converter")!

In the process of developing the [Digital Library of Mathematical
Functions](https://dlmf.nist.gov/), we needed a means of transforming the
LaTeX^ sources of our material into XML which would be used for further
manipulations, rearrangements and construction of the web site. In particular,
a true ^~Digital Library^™ should focus on the _semantics_ of the material,

and so we should convert the mathematical material into both content and presentation MathML. At the time, we found no software suitable to our needs, so we began development of LaTeXML[™] in-house.

The approach is to emulate TeX as far as possible (in Perl), converting the TeX[®] or (LaTeX) document into LaTeXML[™]'s XML format. That format is modelled on the typical document structure found in LaTeX, and inspired by HTML, MathML, OpenMath and others. That abstract document is then further transformed into HTML of various flavors, with MathML and SVG, or into JATS or ePub or ϵ !. Of course, emulating TeX[®] is kinda hard, there are many clever LaTeX[®] package developers, and the Web moves quickly, so there are gaps in fidelity and coverage.

Examples

of LaTeXML[™]'s work include:

[LaTeX tabular](examples/tabular/tabular.html)

from the LaTeX[®] manual, p.205. ([TeX](examples/tabular/tabular.tex),

[![Uncaptioned image\]](pdf.png)](examples/tabular/tabular.pdf))

[DLMF](https://dlmf.nist.gov/)

The Digital Library of Mathematical Functions was the primary instigator for this project.

[LaTeXMLÂ Manual](manual/)

The LaTeXMLÂ Userâ€™s manual ([![Uncaptioned image\]](pdf.png))(manual.pdf)).

These pages

were produced using LaTeXML, as well.

See also

<<https://latexml.mathweb.org/editor>>

an online editor/showcase of things that LaTeXMLÂ can do.

<<https://arxiv.org/>>

is now offering preprints in HTML format using LaTeXML^Â (currently experimental).

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Sammy](

VKndi2fWrb9jWI9Esul6PZbDY9Go1OZ7PZ9z/lyuD3OozU2wAAAABJRU5ErkJggg==)](http://dlmf.nist.gov/LaTeXML/)