1056-N5-630   **Matthew Leingang*** (`leingang@courant.nyu.edu`), Courant Institute of Mathematical Sciences, 251 Mercer St., New York, NY 10012. *A multimedia document workflow using docutils.* Preliminary report.

The LaTeX-to-HTML conversion process is error-prone and often unaesthetic when successful. We have developed a method that uses a third format, easily converted to the other two. The method can be automated and extended with makefiles to involve any kind of formatting.

Docutils consists of a markdown syntax known as *restructured text* and a set of python libraries used to convert that text into other formats. Our contribution to docutils is the added handling of LaTeXformulas with TTH, allowing math-rich documents to be processed. They then can be reliably converted into valid XHTML strict, embedded into fancier websites using XSLT, as well as typeset to PDF with LaTeX. (Received September 14, 2009)