

# Making T<sub>E</sub>X WYSIWYG

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## Abstract

This is a preliminary report on *microIMP*—a new experimental system designed to bridge the gap between the world of quality T<sub>E</sub>X'nical typesetting, dominated by T<sub>E</sub>X and the world of wordprocessing, dominated by Microsoft Word.

*microIMP* is a totally WYSIWYG system “on the outside” with a full L<sup>A</sup>T<sub>E</sub>X engine underneath; the WYSIWYG externals make the system easy to learn (no commands to remember) while the L<sup>A</sup>T<sub>E</sub>X internals make it considerably more powerful than a typical wordprocessor, ultimately capable of including any advanced formatting that is possible in a T<sub>E</sub>X-based system.

The current build of *microIMP* supports (visually, of course) display and inline mathematics, tables, lists, automatic ligatures, font design sizes, trees, boxes, slides, footnotes and margin notes, scaled and rotated boxes, hyperlinks, hyphenation and spell in a dozen languages, page layout, and extensibility via T<sub>E</sub>X commands.

In addition to demonstrating the *microIMP* system, in the talk we will look at the technology, compare the *imp* approach with that of other visualization efforts and discuss the potential offered by the *imp* platform for other types of applications.