

NAME

latex, **pdflatex**, **xelatex**, **lualatex**, **dvilualatex**, **cslatex**, **pdfcslatex**, **platex**, **uplatex**, **lamed** – structured text formatting and typesetting

SYNOPSIS

latex [*first-line*]

DESCRIPTION

This manual page is a mere skeleton.

The L^AT_EX language is described in the book L^AT_EX – A Document Preparation System. L^AT_EX is a T_EX macro package, not a modification to the T_EX source program, so all the capabilities described in **tex(1)** are present.

The L^AT_EX macros encourage writers to think about the content of their documents, rather than the form. The ideal, very difficult to realize, is to have no formatting commands (like “switch to italic” or “skip 2 picas”) in the document at all; instead, everything is done by specific markup instructions: “emphasize”, “start a section”.

The primary source of documentation for L^AT_EX is the L^AT_EX manual referenced below.

lualatex, **pdflatex**, **pdfcslatex**, **xelatex** are L^AT_EX formats based on the respective engines. All output PDF by default.

platex, **uplatex** are Japanese L^AT_EX formats based on e-pTeX and e-upTeX (DVI output).

lamed is the Aleph-based L^AT_EX format (DVI output).

dvilualatex is LuaTeX-based and outputs DVI.

cslatex is csTeX-based (primitives integrated into pdfTeX) and outputs DVI.

On some systems **latex209** and **slitex** may still be available for compatibility with older versions of L^AT_EX. These should not be used for new texts.

SEE ALSO

amstex(1), **luatex(1)**, **pdftex(1)**, **p tex(1)**, **tex(1)**, **xetex(1)**.

Leslie Lamport, L^AT_EX – A Document Preparation System, Addison-Wesley, 1985, ISBN 020115790X.

Frank Mittelbach, Michel Goossens, Johannes Braams, David Carlisle, and Chris Rowley, *LaTeX Companion*, Addison-Wesley, 2004, ISBN 0201362996 (2nd edition).

The L^AT_EX home page is <http://latex-project.org>.

A list of some L^AT_EX tutorials is at <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=man-latex>.

An unofficial reference manual for L^AT_EX is at <https://ctan.org/pkg/latex2e-help-texinfo>.