

L^AT_EX: Mathematical Typesetting

Charles Odion

November 17, 2018

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1 Introduction

First things, first!!

L^AT_EX

is pronounced “Lay tech” or “Lah tech” but never as latex as in rubber latex.

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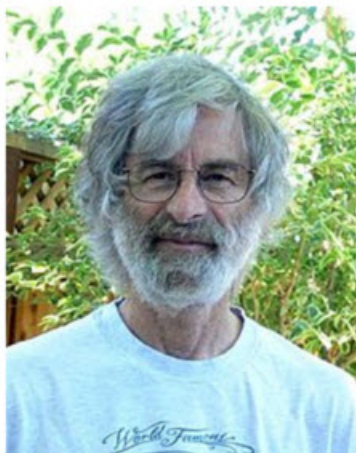
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The T_EX & L^AT_EX People



Donald Knuth 1938 to now



Leslie Lamport 1941 to now

The Program and Editors

The program: MiKTeX

Install the program before you install the editors, using the default settings for simplicity.

Here are the links for some free editors:

- 1 [Texmaker](#)
- 2 [Texstudio](#)
- 3 [Texworks](#)
- 4 [Texlive](#)
- 5 [Winshell](#)

Document Structure

Every \LaTeX document has the following structure.

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Command Structure

The commands look like the following.

```
\commandname[option1,option2,...]{argument1}{argument2}...
```

Tell L^AT_EX to look for command

\ command { *argument* }

Tell L^AT_EX to begin and end argument

Environments Syntax

Environments are similar to commands but have wider ranges of effects. Here is the syntax.

```
\begin{environmentname}  
text to be influenced  
\end{environmentname}
```