

Introduction to L^AT_EX

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What is T_EX?

Definition

TeX (intended to be pronounced /ˈtɛx/ as in Greek, but often simply pronounced /tɛk/ in English) is a typesetting system designed and mostly written by Donald Knuth. Together with the METAFONT language for font description and the Computer Modern family of typefaces, it was designed with two main goals in mind: to allow anybody to produce high-quality books using a reasonable amount of effort, and to provide a system that would give the exact same results on all computers, now and in the future. Within the typesetting system, its name is formatted as TEX.

From Wikipedia, the free encyclopedia

What is L^AT_EX?

Definition

LaTeX (pronounced /ˈleɪtɛk/, /ˈleɪtɛx/, /ˈlɑːtɛx/, or /ˈlɑːtɛk/) is a document markup language and document preparation system for the TeX typesetting program. Within the typesetting system, its name is styled as L^AT_EX. The term LaTeX refers only to the language in which documents are written, not to the editor used to write those documents. In order to create a document in LaTeX, a .tex file must be created using some form of text editor. While most text editors can be used to create a LaTeX document, a number of editors have been created specifically for working with LaTeX.

From Wikipedia, the free encyclopedia

What is T_EX Live?

Definition

TeX Live is a TeX distribution which is the replacement of its no-longer supported counterpart teTeX. It is now the default TeX distribution for several Linux distributions such as Fedora, Debian, Ubuntu and Gentoo. Other Unix operating systems like OpenBSD, FreeBSD and NetBSD are also converting from teTeX to TeX Live.

From Wikipedia, the free encyclopedia

How to install L^AT_EX

On Ubuntu install:

- texlive-base
- texlive-fonts-recommended
- texlive-latex-extras
- gedit-latex-plugin

Notice

This programmes are huge! (200MB and more)

Comparison to HTML

It is only a markup language

HTML

`<html>`

`<head>`

`<script language="JavaScript"
src="includes/scripts.php">`

`<title>Title</title>`

`</head>`

`<body>`

`<h1>Section</h1>`

`<h2>Subsection</h2>`

`<p>Some Text</p>`

`<table>`

L^AT_EX

`\documentclass[12pt, oneside,
a4paper, final]{article}`

`\usepackage[utf8]{inputenc}`

`\title{Title}`

`\begin{document}`

`\section{Section}`

`\subsection{Subsection}`

Some Text

`\begin{tabular}`

L^AT_EX

Comparison to HTML

HTML

```
<tr><td>Text 1</td>  
<td>Text 2</td></tr>  
</table>  
</body>  
</html>
```

L^AT_EX

```
Text 1 & Text 2 \\  
  
\end{tabular}  
\end{document}
```

Convert a .pdf File (or something else)

Most likely you want to create a .pdf file.

Use “`pdflatex yourfile.tex`” from the terminal.

What to use L^AT_EX for?

- Articles
- Researches
- Magazines
- CVs
- Presentations
- ...

Information in the Net

- <http://ctan.org> – Comprehensive TeX Archive Network
- <http://en.wikibooks.org/wiki/LaTeX> – Wikibook for L^AT_EX

Questions?

Ask now...

Thanks

Thank you for your time!

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