

Using L^AT_EX to Create Documents

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January 12, 2004

Abstract

This document extends a previous paper on creating L^AT_EX documents. Examples are provided within the text of the paper, but the reader can also view the source code for further clarity. This paper was designed to create a web page version to post on the Internet.

1 Introduction

L^AT_EX is a text formatting program that is extensively used to produce scientific journals, textbooks, and many other publications. The software is able to take irregular blocks of text with embedded commands, and assemble a device independent file that can be displayed on a computer screen or sent to a printer.

Similar to HTML tags used for the World Wide Web, L^AT_EX commands direct the program to produce a formatted document including graphics. Some of the formatting may seem more difficult than HTML, but the richness available in L^AT_EX is amazing including mathematical symbols and even a separate tag for software's own name (`\LaTeX`).

As of now, L^AT_EX remains a standard for document presentation in many scientific communities.

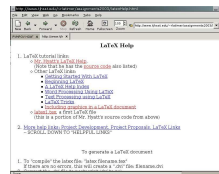
2 Some L^AT_EX Basics

There are some basic principles of L^AT_EX that can help a person organize a research paper. These will be described in more detail in each subsection below with code examples for reference.

2.1 Document Header or Preamble

The preamble of a L^AT_EX document contains a number of global parameters that will control the entire document. It is similar to a Cascading Style Sheet in HTML.

By the way, here's an image (converted from jpeg to eps: `convert image.jpeg image.eps`)



References

- [1] John December and Neil Randall,
The World Wide Web Unleashed, Sams
Publishing, 1994.
- [2] Helmut Kopka and Patrick W. Daly,
A Guide to L^AT_EX, Addison-Wesley
Publishing Co., Inc., 1993.
- [3] Nikos Drakos and Ross Moore,
LaTeX2HTML Translator Version
99.2 beta8(1.43), Macquarie University,
Sydney, 1999.
- [4] Walker, Janice R. et al., "The Columbia
Guide to Online Style", 1995.
http://www.columbia.edu/cu/cup/cgos/idx_basic.html
(August 11, 2000)