Introducing to LATEX

Curso de introducción a LaTeX

September 27, 2023

Abstract

IATEX is a document preparation system for the TEX typesetting program. It offers programmable desktop publishing features and extensive facilities for automating most a spects of typesetting and desktop publishing, including numbering and cross-referencing, tables and figures, page layout, bibliographies, and much more. IATEX was originally written in 1984 by Leslie Lamport and has become the dominant method for using TEX; few people write in plain TEX anymore. The current version is IATEX 2ε .

Resumen

IATEX es un sistema de elaboración de documentos para el lenguaje de composición tipográfica TEX. Éste ofrece opciones de autoedición programable y gran comodidad para la automatización de la mayoría de los aspectos de la composición tipográfica y autoedición, incluyendo numeración y referencias cruzadas, tablas y figuras, diseño de página, bibliografías, y mucho más. IATEX fue escrito originalmente en 1984 por Leslie Lamport y se ha convertido en el método dominante para utilizar TEX; ya poca gente escribe en TEX plano. La versión actual es TEX EX

What is TeX?

TeX is a low-level markup and programming language created by Donald Knuth to typeset documents attractively and consistently. Knuth started writing the TeX typesetting engine in 1977 to explore the potential of the digital printing equipment that was beginning to infiltrate the publishing industry at that time, especially in the hope that he could reverse the trend of deteriorating typographical quality that he saw affecting his own books and articles. With the release of 8-bit character support in 1989, TeX development has been essentially frozen with only bug fixes released periodically. TeX is a programming language in the sense that it supports the if-else construct: you can make calculations with it (that are performed while compiling the document), etc., but you would find it very hard to do anything else but typesetting with it. The fine control TeX offers over document structure and formatting makes it a powerful and formidable tool. TeX is renowned for being extremely stable, for running on many different kinds of computers, and for being virtually bug free. The version numbers of TeX are converging toward π , with a current version number of 3.1415926.