

A tool for creating mathematical texts

P-A Cherix

10th of October 2018

What shall we do ?

Introduction

TeX, a compiler of mathematical texts.

Concerning LaTeX precisely

The structure of a LaTeX file

The LaTeX commands

Do not put the cart before the horses !

Some examples of presentations.

§10 Congruences. Norme des idéaux

Proposition. Soient a et b deux idéaux de l'anneau A , tels que $a + b = (1)$. Alors

$$A/ab \simeq A/a \times A/b.$$

Démonstration. Étant donné un nombre $\xi \in A$ et un idéal m de A , nous désignons par $\{\xi\}_m$ la classe résiduelle de ξ (mod m). Il s'agit de montrer que l'homomorphisme d'anneau

the good old way

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with LaTeX

The origin of TeX

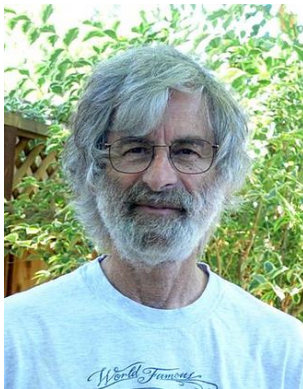


Donald Knuth

The origin of TeX



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Leslie Lamport

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```
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- ▶ there are many other preexisted environments
- ▶ and you can create your own environments, but this is not something you should start with.

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- ▶ it is good to separate the writting process from the typesetting process.

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- ▶ An text editor to type the source file (often associated with an intergrator) suggested TexnicCenter

Now it is your turn !

Let's go...