

\LaTeX in Twenty Four Hours

A Practical Guide for Scientific Writing

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Presentation outline

- 1 Introduction to \LaTeX
 - Definition of \LaTeX
 - Resources on \LaTeX

Introduction to L^AT_EX

What is L^AT_EX?

- L^AT_EX is a macro-package for typesetting documents.
- L^AT_EX instructions are interspersed with . . .
- L^AT_EX input files have .tex extension.
- L^AT_EX output can be obtained in .dvi or .pdf format.

Introduction to L^AT_EX

Some popular books on L^AT_EX

- ① The L^AT_EX Companion by ?
- ② A Guide to L^AT_EX2_ε by ?
- ③ L^AT_EX: User's Guide and Reference Manual by ?

References

Thanks a lot

■ ■ ■

Theorem

$$(a + b)^2 = a^2 + 2ab + b^2$$

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Proof.

$$(a + b)^2 = (a + b)(a + b) = a^2 + 2ab + b^2$$



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Example (Square of sum)

$$(3 + 5)^2 = 3^2 + 2 \times 3 \times 5 + 5^2 = 64$$

Rule

The amsmath and amssymb ...

Rule

The amsmath and amssymb ...

Warning

A mathematical expression ...

Rule

The amsmath and amssymb ...

Warning

A mathematical expression ...

Example

$$\sin^2 \theta + \cos^2 \theta = 1$$

Result

First year

Result

First year

	Total	Passed	Pass rate
Boys	56	50	89.3%
Girls	38	36	94.7%

Result

Second year

Result

Second year

Total	Passed	Pass rate

Result

Second year

	Total	Passed	Pass rate
Boys	52	49	94.2%

Result

Second year

	Total	Passed	Pass rate
Boys	52	49	94.2%
Girls	46	41	89.1%