

# Introduction to L<sup>A</sup>T<sub>E</sub>X

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Georgia Institute of Technology

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# Introduction

- What is  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ ?

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  - Markup language
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- What is  $\text{\LaTeX}$ ?
  - Markup language
  - Professional and Powerful
- Why use it?
  - Separate content from style
  - Beautiful layout (usually)
  - Math Engine is great!
  - Bibliographies
  - Sections and references

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- Get This: Not So Short Intro...
- <http://tobi.oetiker.ch/lshort/lshort.pdf>

# L<sup>A</sup>T<sub>E</sub>X Work Flow

- Markup language (not WYSIWYG)

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  - Create input .tex file
  - Create .dvi file from .tex
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- Environments
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  - examples: equation, itemize, figure, table

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- Commands
  - Dictate certain layouts
  - tons of examples!

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Reader 9.0\Reader\Acro32.exe

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# Demo Summary

- 1 Simplest of the Simple
- 2 Dive Right In
- 3 Larger Documents
- 4 Special Characters
- 5 Packages
- 6 Subsections
- 7 Labels and References
- 8 BibTeX and References
- 9 Separate .bib Files
- 10 Figures and Graphics
- 11 Text Formatting
- 12 Enumerate Vs. Itemize
- 13 Centering and Tabular
- 14 Equations
- 15 More Complex Math

# Other Great Ideas

- Presentations

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- Spanning figures

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- Substantial Learning Curve

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