

# Introduction to and Basics of $\text{\LaTeX}$

Sponsored by Qualcomm

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# Outline

## 1 Introduction

- A Quick “Hello World”
- What is  $\text{\LaTeX}$ , anyway?
- fooooooooo
- Previous Work

## 2 Our Results/Contribution

- Main Results
- Basic Ideas for Proofs/Implementation

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# Code

```
\documentclass{article}
\title{Cartesian closed categories %
      and the price of eggs}
\author{Jane Doe}
\date{September 1994}
\begin{document}
  \maketitle
  Hello world!
\end{document}
```

# Results

Cartesian closed categories and the price of eggs

Jane Doe

September 1994

Hello world!

What is  $\text{\LaTeX}$ , anyway?

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What is  $\text{\LaTeX}$ , anyway?

# $\text{\TeX}$

...before  $\text{\LaTeX}$

- Typesetting system created by Donald Knuth
- Anybody could produce high-quality typography (in theory)
- Made to typeset complex mathematical formulae
- Popular in academic settings
- Difficulty and effort required gave rise to simplifications...

What is L<sup>A</sup>T<sub>E</sub>X, anyway?

# ... enter L<sup>A</sup>T<sub>E</sub>X

“Lah-tech” or “Lay-tech” as in Greek  $\tau\epsilon\chi$

- Package of macros based on T<sub>E</sub>X
- Created by Leslie Lamport
- Simplifies T<sub>E</sub>Xtypesetting, especially for mathematical formulae
- Many additional packages and styles contributed by the community
- Archived in the Comprehensive TeX Archive Network (CTAN)<sup>1</sup>

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<sup>1</sup><http://www.ctan.org/>



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# Make Titles Informative.

You can create overlays...

- using the `pause` command:
  - First item.
  - Second item.
- using overlay specifications:
  - First item.
  - Second item.
- using the general `uncover` command:
  - First item.
  - Second item.

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# Summary

- The **first main message** of your talk in one or two lines.
- The **second main message** of your talk in one or two lines.
- Perhaps a **third message**, but not more than that.
- Outlook
  - Something you haven't solved.
  - Something else you haven't solved.

# For Further Reading I



A. Author.

*Handbook of Everything.*

Some Press, 1990.



S. Someone.

On this and that.

*Journal of This and That*, 2(1):50–100, 2000.