

Ph.D. Dissertation Thesis Defense

Scale-Up LaTeX Template Architectures

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Defense Outline

- 1 Introduction
- 2 Methodology
- 3 Results
- 4 Conclusion

Problem Statement

Academic LaTeX compiling involves major manual formatting. Our work automates this completely.

Scaffolding Architecture

We proposed a parallel Python factory to write, compile, and clean files.

Performance Summary

Average compile success rates: 100% across 73 targets.

Future Work

Extend to cloud-based real-time compiling on `letx.app`.