Document Title

Author Name

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Abstract

Contents

1   Format

This project is hosted on GitHub and serves as a template for creating LaTeX documents. The theorem-like environments are inspired by the template (sleepymalc, 2022). For detail implementation, refer to the GitHub repository (Chang, 2025).

1.1   Page Layout

1.2   Header and Footer

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2   Environment

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Use the package `booktabs` for better table formatting.

2.2   Figures

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2.4   Theorem-like Environments

This document demonstrates the usage of the custom theorem-like environments defined in the `document.sty` package.

Definition 2.1 (Sample Definition)**.** This is an example of a definition environment.

Assumption 2.1 (Sample Assumption)**.** This is an example of an assumption environment.

Conjecture 2.1 (Sample Conjecture)**.** This is an example of a conjecture environment.

Lemma 2.1 (Sample Lemma)**.** This is an example of a lemma. It shares the same style as the theorem environment.

Proof. This is an example of a proof environment. It is used to provide a proof for the lemma. ∎

Theorem 2.1 (Sample Theorem)**.** This is an example of a theorem environment.

Proof. This is an example of a proof for the theorem. ∎

Corollary 2.1 (Sample Corollary)**.** This is an example of a corollary. It also shares the same style as the theorem environment.

Proof. This is an example of a proof for the corollary. ∎

Proposition 2.1 (Sample Proposition)**.** This is an example of a proposition. It also shares the same style as the theorem environment.

Proof. This is an example of a proof for the proposition. ∎

Remark 2.1 (Sample Remark)**.** This is an example of a remark environment.

Example 2.1 (Sample Example)**.** This is an example of an example environment.

Solution 2.1. This is an example of an solution environment. □

Problem 2.1 (Sample Problem)**.** This is an example of a problem environment.

These environments are designed to enhance the readability and organization of mathematical documents. Each environment has a specific purpose and style, making it easier for readers to follow the logical flow of the content.

Appendices

References

Chang, H.-S. (2025). L℣TeX document template.

sleepymalc. (2022). Latex template.