# example LaTeX Document

#### Your Name

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#### Abstract

This is a short example document to show how to use LATEX.

### 1 Introduction

Hello, world! This is a sample LATEX file. You can write equations like

$$E = mc^2$$

or inline math like  $a^2 + b^2 = c^2$ .

As shown by Einstein [1], energy and mass are related.

## 2 Figures

Here's an example of including a figure (commented out so it won't error):

#### 3 Citations

You can add citations later if you include a 'bib' file.

### References

[1] Albert Einstein. Does the inertia of a body depend upon its energy content? *Annalen der Physik*, 18:639–641, 1905.