LaTeX Test Document

Test

February 25, 2026

1 Introduction

This is a simple LaTeX test document to verify LaTeX functionality.

2 Mathematical Expressions

Here are some basic mathematical expressions:

2.1 Inline Math

The quadratic formula is $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

2.2 Display Math

$$\int_0^\infty e^{-x^2}\,dx = \frac{\sqrt{\pi}}{2}$$

2.3 Equations

$$E = mc^2 \tag{1}$$

3 Lists

3.1 Itemized List

- First item
- Second item
- Third item

3.2 Enumerated List

1. First numbered item

2. Second numbered item

3. Third numbered item

4 Conclusion

This test document demonstrates basic LaTeX functionality including text formatting, mathematical expressions, and lists.