

Test Document for LaTeX

Run! Extension Test

July 13, 2025

1 Introduction

This is a test document for the Run! VS Code extension. It tests the LaTeX compilation and PDF generation functionality.

2 Mathematics

Here are some mathematical expressions to test LaTeX rendering:

Simple equation: $E = mc^2$

More complex equation:

$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2} \quad (1)$$

3 Lists

3.1 Itemized List

- First test item
- Second test item
- Third test item

3.2 Numbered List

1. Compile LaTeX file
2. Generate PDF
3. Open PDF viewer
4. Verify success

4 Conclusion

If you can see this PDF, the Run! extension successfully:

- Compiled the LaTeX source
- Generated the PDF file
- Opened the PDF viewer

Test Status: SUCCESS!