Basic LaTeX Template

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Abstract

A sample LaTeX document

Introduction

We'll be using LaTeX a fair amount. The easiest way to start a project is just to open a working file and replace the text with your own. You can use this document for that purpose. It's about as bare bones as a document can be.

Some math

Computation

Of course, the main thing we want to do is type some math. For example, if $f(x) = e^{-x^2}$, then $f'(x) = -2xe^{-x^2}$ and

$$\int_{-\infty}^{\infty} e^{-x^2}\,dx = \sqrt{\pi}.$$

Theorem-proof

Often, we'd like a theorem-proof setup.

Theorem.

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}.$$

Proof. The proof is in the pudding! □