Zeroth LaTeX Homework

Your name

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Abstract

The zeroth LaTeX assignment

Introduction

Your zeroth LaTeX HW is to reproduce this document as closely as you can. I call it the "zeroth" assignment because it is not for collection. However, there *will* be an assignment due next week and I *will* expect that you can type LaTeX by then. There will also be a Discourse assignment something akin to this one. So it's really essential that you get TeX running on your machine and are able to work with it soon.

The content

Here's the main theorem:

Theorem. *Real analysis is number*

$$\sum_{n=1}^{\infty} \frac{1}{2^n}!$$

Proof. Everyone knows that, for every $\varepsilon > 0$,

$$\left| \sum_{n=1}^{\infty} \frac{1}{2^n} - 1 \right| < \varepsilon!$$

$\square$