

# Your Post Title

Your Name

2025-09-06

## Abstract

A short description of what this note covers. (This appears in the PDF; the HTML homepage teaser is generated separately by your index script.)

## 1 Introduction

Inline math like  $a^2 + b^2 = c^2$  and display math:

$$\int_0^1 x^2 dx = \frac{1}{3}.$$

**Definition 1.1** (Countable set). A set  $S$  is *countable* if it is finite or in bijection with  $\mathbb{N}$ .

**Theorem 1.2** (Cantor). *There is no bijection between  $\mathbb{N}$  and  $(0, 1)$ .*

*Proof.* Sketch the diagonalization and you're done. □

## 2 A figure and a table

See Figure 1.

Figure 1: An example figure.

## 3 Code

Listing 1: Reverse a list

```
rev :: [a] -> [a]
rev = foldl (flip (:)) []
```

Col 1	Col 2	Col 3
a	b	c

Table 1: A neat table.