Hello, world

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1 Introduction

Hi. This is a new LaTeX document. I'm using this as a test one.

The point is to familiarize myself with the environment.

2 Body

I have no idea what to write in here.

I'll be testing math soon enough.

2.1 Math

The well known Pythagorean theorem $x^2 + y^2 = z^2$ was proved to be invalid for other exponents. Meaning the next equation has no integer solutions:

$$x^n + y^n = z^n$$

As such, there are other ways to represent equations. Consider $E = mc^2$, or $y = mx + c$.

Even among the *displayed* modes, there are two variations - *numbered* and *unnumbered*.

Among unnumbered, consider

$$v^2 = u^2 + 2at$$

and

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

For numbered equations, look at this method

$$v = u + at \tag{1}$$