

# First post

User 2237 • 1 Jan 2025

This is a minimal working example written in Markdown with LaTeX. Click the `preview` menu or use the shortcut `Ctrl + Enter` or `Cmd + Enter` to refresh the preview.

## Math formula

- Inline math example:  $i = \sqrt{-1}$ .
- Display math example:

$$x^2 + y^2 = z^2.$$

## Numbering and referencing

For any real number  $x$ , we have

$$\exp(ix) = \sum_{k=0}^{\infty} \frac{(ix)^k}{k!} \tag{1}$$

$$= \cos x + i \sin x. \tag{2}$$

The equation (1) is the power series definition of the exponential function, and the equation (2) is known as Euler's formula.

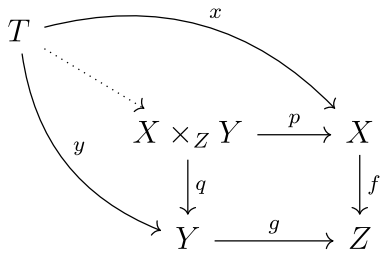
## Theorem environment

**Theorem (Fermat's Last Theorem)** No three positive integers  $a$ ,  $b$ , and  $c$  satisfy the equation  $a^n + b^n = c^n$  for any integer value of  $n$  greater than 2.

**Fermat's lost proof** I have a proof of this theorem, but there is not enough space. □

## LaTeX package

To use a LaTeX package, include it in the `latex preamble` submenu under the `Meta` menu. Here is an example of using `tikz-cd` package:



## Bibliography

Here is a citation example in Chicago author-date style:

Einstein's journal paper (Einstein 1905) and Dirac's book (Dirac 1981) are physics-related items.

## Reference

Dirac, Paul Adrien Maurice. 1981. *The Principles of Quantum Mechanics*. International Series of Monographs on Physics. Clarendon Press.

Einstein, Albert. 1905. "Zur Elektrodynamik bewegter Körper. (German) [On the Electrodynamics of Moving Bodies]." *Annalen Der Physik* 322 (10): 891–921.