

# maths

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## Formula

For inline formulas, enclose the formula in  $\dots$ . For displayed formulas, use  $\dots$ . Here is an example of an inline formula:  $x^2 + y^2 = z^2$ .

## 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 1** (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.  $\square$

## Citation

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

# References

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.