

Hallo World

Ming LEI

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Introduction

let's begin with a formule $e^{i\pi} + 1 = 0$.

- But we can also do

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n = \lim_{n \rightarrow \infty} \frac{n}{\sqrt[n]{n!}}$$

- we can also do another:

$$e = \sum_{n=0}^{\infty} \frac{1}{n!}$$

- we can also use continued fractions

$$e = 2 + \frac{1}{2 + \frac{1}{2 + \frac{2}{2 + \frac{3}{2 + \frac{4}{2 + \frac{5}{\ddots}}}}}}}$$

More fomulas

$$\int_a^b f(x)dx$$

$$\iiint f(x, y, z) dx dy dz$$

$$\vec{v} = \langle v_1, v_2, v_3 \rangle$$

$$\vec{v} \cdot \vec{w}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix}$$