Hello latex!

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introduction

Let's begin with a formula $e^{i\pi} + 1 = 0$. But we can also do

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

We can do another:

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

We can also use continued fractions

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

1 More formulas

$$\int_{a}^{b} f(x)dx$$

$$\iiint f(x, y, z)dxdydz$$

$$\iiint f(x)dxdy$$

$$\vec{v} = \langle v_{1}, v_{2}, v_{3} \rangle$$

$$\vec{v} = \vec{v_{1}} + \vec{v_{2}} + \vec{v_{3}}$$

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

$\vec{a}\times\vec{b}$

$$\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$$