Hello latex!

Marajul haque

jan 2025

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

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

1 More formulas

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

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

$$\vec{v} =< v_1, v_2, v_3 >$$

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

$$] \ [$$