Trefor Bazett LaTeX

Jordan Goff

Intro to LaTeX: Learn to write beautiful math equations Part 1

Hello world! The stuff before the begin document is the preamble. Let's begin with a formula $e^{i\pi} + 1 = 0$. Backslash is a command. A formula with single dollar signs is called an inline formula.

1. But we can also do
$$e = \lim_{n\to\infty} \left(1 + \frac{1}{n}\right)^n = \lim_{n\to\infty} \frac{n}{\sqrt[n]{n!}}.$$
2. We can do another:
$$e = \sum_{n=0}^{\infty} \frac{1}{n!}.$$
3. We can also use continued fractions
$$e = 2 + \cfrac{1}{1 + \cfrac{1}{2 + \cfrac{2}{3 + \cfrac{3}{4 + \cfrac{4}{5 + \ddots}}}}}.$$

amsmath gives you multiple integrals, vectors, and matrices. * in front of section will get rid of the number. Use % for comments.

More Formulas

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

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

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

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

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