

Brief Article

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Hello World! Today I am learning L^AT_EX. L^AT_EX is a great program for writing math. I can write in line math such as $a^2 + b^2 = c^2$. I can also give equations their own space:

$$\gamma^2 + \theta^2 = \omega^2 \tag{1}$$

“Maxwell’s equations” are named for James Clark Maxwell and are as follow:

$$\vec{\nabla} \cdot \vec{E} = \frac{\rho}{\epsilon_0} \qquad \text{Gauss’s Law} \tag{2}$$

$$\vec{\nabla} \cdot \vec{B} = 0 \qquad \text{Gauss’s Law for Magnetism} \tag{3}$$

$$\vec{\nabla} \times \vec{E} = -\frac{\partial \vec{B}}{\partial t} \qquad \text{Faraday’s Law of Induction} \tag{4}$$

$$\vec{\nabla} \times \vec{B} = \mu_0 \left(\epsilon_0 \frac{\partial \vec{E}}{\partial t} + \vec{J} \right) \qquad \text{Ampere’s Circuital Law} \tag{5}$$