





EqualX - The LaTeX Equation Editor

The screenshot shows the EqualX LaTeX Equation Editor interface. At the top is a toolbar with various mathematical symbols. Below the toolbar is a navigation bar with tabs: Algebra, Derivs, Stats, Matrix, Sets, Trig, Geometry, Chemistry, and Physics. Under the Algebra tab, there are several buttons with mathematical expressions like $\sqrt{a^2 + b^2}$, $\lim_{x \rightarrow \infty}$, and $\frac{n!}{r!(n-r)!}$. The main workspace is titled "Untitled Equation" and contains two equations:

$$\text{rot } \vec{E} = -\frac{1}{c} \frac{\partial \vec{B}}{\partial t}, \quad \text{div } \vec{B} = 0,$$

$$\text{rot } \vec{B} = \frac{1}{c} \frac{\partial \vec{E}}{\partial t} + \frac{4\pi}{c} \vec{j}, \quad \text{div } \vec{E} = 4\pi\rho_\varepsilon$$

Below the workspace is a code editor window showing the corresponding LaTeX code:

```

5 \usepackage{color}
6 \usepackage[T1]{fontenc}
7
8 \DeclareMathOperator{\Div}{div}
9 \DeclareMathOperator{\Rot}{rot}
11 \Rot{\vec{E}} &= -\frac{1}{c} \operatorname{pader}{\vec{B}}{t}, &
12 \Div{\vec{B}} &= 0, \\
\Rot{\vec{B}} &= \frac{1}{c} \frac{\partial \vec{E}}{\partial t} + \frac{4\pi}{c} \vec{j}, &
&+ \frac{4\pi}{c} \rho_\varepsilon

```

The right side of the interface features a "Library" panel with a search bar and a sidebar containing a folder icon, "New Folder", and the expression $\sqrt{b^2 - 4ac}$. At the bottom right are "Bookmarks" and "History" buttons.