

$$\nabla \cdot \vec{E} = \frac{\rho}{\epsilon}$$

$$\nabla \times \vec{E} = -\frac{\partial \vec{B}}{\partial t}$$

$$\nabla \cdot \vec{B} = 0$$

$$\nabla \times \vec{B} = \mu \vec{j} + \mu \epsilon \frac{\partial \vec{E}}{\partial t}$$

$$\oint_S \vec{E} \cdot d\vec{S} = \frac{Q}{\epsilon}$$

$$\oint_l \vec{E} \cdot d\vec{l} = -\frac{\partial \Phi_B}{\partial t}$$

$$\oint_S \vec{B} \cdot d\vec{S} = 0$$

$$\oint_l \vec{B} \cdot d\vec{l} = \mu I + \mu \epsilon \frac{\partial \Phi_E}{\partial t} \$$$