$$\oint_{S} \mathbf{E} \cdot d\mathbf{A} = \int_{V} \frac{\rho}{\varepsilon_{0}} dV \tag{1}$$

$$\oint_{S} \mathbf{B} \cdot d\mathbf{A} = 0 \tag{2}$$

$$\oint_C \mathbf{E} \cdot d\mathbf{l} = -\frac{\partial}{\partial t} \int_S \mathbf{B} \cdot d\mathbf{A}$$
(3)

$$\oint_C \mathbf{B} \cdot d\mathbf{l} = \mu_0 \int_S \mathbf{J} \cdot d\mathbf{A} + \mu_0 \varepsilon_0 \frac{\partial}{\partial t} \int_S \mathbf{E} \cdot d\mathbf{A}$$
 (4)