$$\oint \vec{E} \cdot \vec{dA} = \frac{Q_{free}}{\epsilon_o \kappa}$$

$$\oint \vec{B} \cdot \vec{dA} = 0$$

$$\oint \vec{E} \cdot d\vec{l} = -\frac{d\phi_B}{dt}$$

$$\oint \vec{B} \cdot d\vec{l} = \mu_o \kappa_m (I + \epsilon_o \kappa \frac{d\phi_E}{dt})$$