



Coulomb's Law (or it's dual) Biot-Savart's Law (or it's dual) Farday's Law (or it's dual)

$$\nabla \cdot \vec{D}_{ir} = \rho_e$$
$$\nabla \cdot \vec{B}_{ir} = \rho_m$$
$$\nabla \times \vec{H}_{sol} = \vec{J}_e + \frac{\partial \vec{D}}{\partial t}$$
$$\nabla \times \vec{E}_{sol} = -\vec{J}_m - \frac{\partial \vec{B}}{\partial t}$$