Maxwell's Equations(James Clerk Maxwell, 1831~1879)

$$\nabla \times \overline{E} = -\frac{\partial \overline{B}}{\partial t}$$ Faraday's law

$$\nabla \times \overline{H} = \overline{J} + \frac{\partial \overline{D}}{\partial t}$$ Ampere's circuital law

$$\nabla \cdot \overline{D} = \rho$$ Gauss's law

$$\nabla \cdot \overline{B} = 0$$ No isolated magnetic charge

$$\overline{D} = \varepsilon \overline{E}$$

$$\overline{B} = \mu \overline{H}$$

ε : Permittivity

μ : Permeability