

Maxwellovy rovnice v diferenciálním tvaru

$$\text{rot } \vec{H} = \vec{j} + \frac{\partial \vec{D}}{\partial t}$$

$$\text{rot } \vec{E} = -\frac{\partial \vec{B}}{\partial t}$$

$$\text{div } \vec{D} = \rho$$

$$\text{div } \vec{B} = 0$$

$$\vec{j} = \gamma \vec{E}$$

$$\vec{D} = \epsilon \vec{E} + \vec{P}_e$$

$$\vec{B} = \mu \vec{H} + \vec{P}_m$$