

Maxwellovy rovnice

$$\oint_{(\partial S)} \vec{E} \cdot d\vec{l} = -\frac{d}{dt} \iint_{(S)} \vec{B} \cdot d\vec{S} \quad \vec{j} = \gamma \vec{E}$$

$$\oint_{(\partial S)} \vec{H} \cdot d\vec{l} = \iint_{(S)} \left(\vec{j} + \frac{\partial \vec{D}}{\partial t} \right) \cdot d\vec{S} \quad \vec{D} = \epsilon \vec{E}$$

$$\oiint_{(\partial V)} \vec{D} \cdot d\vec{S} = \iiint_V \rho \, dV \quad \vec{B} = \mu \vec{H}$$

$$\oiint_{(\partial V)} \vec{B} \cdot d\vec{S} = 0$$