

Пределы применимости

$$j = \sigma E \gg \varepsilon \frac{\partial E}{\partial t} \sim \varepsilon \omega E,$$

$$\omega \ll \sigma/\varepsilon,$$
$$\operatorname{rot} \mathbf{H} = \frac{1}{c} \frac{\partial \mathbf{E}}{\partial t},$$

$$l \ll \lambda$$