

$$\therefore -\nabla^2 \vec{E} = -\mu\sigma \left(\frac{\partial \vec{E}}{\partial t} \right) - \mu\epsilon \left(\frac{\partial^2 \vec{E}}{\partial t^2} \right)$$

$$\therefore \nabla^2 \vec{E} = \mu\sigma \left(\frac{\partial \vec{E}}{\partial t} \right) + \mu\epsilon \left(\frac{\partial^2 \vec{E}}{\partial t^2} \right)$$

This is the wave eqⁿ for electric field \vec{E} .

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