Topics on Modern Optics - FI264

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some extra text 3

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Maxwell Equations

Maxwell equations in vacuum are given by [2, 1],

$$\nabla \cdot \mathbf{E} = \rho \tag{1}$$

$$\nabla \cdot \mathbf{B} = 0 \tag{2}$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \tag{3}$$

$$\nabla \times \mathbf{H} = \mathbf{D} + \epsilon_0 \mu_0 \frac{\partial \mathbf{E}}{\partial t} \tag{4}$$

$$\tag{5}$$

- Maxwell equations are cool! Specially **??**

Maxwell Equations in Vacuum

- New item

Maxwell Equations in Dielectric Media

- New item

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Maxwell Perturbation Theory

- New item

Bibliography


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The Feynman lectures on physics.
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Classical electrodynamics.
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