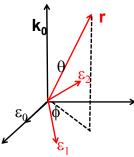Back to fundamental processes – Thompson and Compton scattering (see section 14.8 in Jackson)

Some details of scattering of electromagnetic waves incident on a particle of charge q and mass m_q

$$\mathbf{E}(\mathbf{r},t) = \Re\left(\boldsymbol{\varepsilon}_0 E_0 e^{i\mathbf{k_0}\cdot\mathbf{r}-i\omega t}\right)$$

For next time.