

$$\mathbf{E}(t) = -\nabla\varphi - \frac{\partial \mathbf{A}}{\partial t} = \frac{e}{4\pi\epsilon_0} \left[\frac{\mathbf{n}}{R^2} + \frac{R}{c} \frac{\partial}{\partial t} \left(\frac{\mathbf{n}}{R^2} \right) + \frac{1}{c^2} \frac{\partial^2 \mathbf{n}}{\partial t^2} \right]_{t'=t-R/c},$$

$$\mathbf{B}(t) = \nabla \times \mathbf{A} = \frac{1}{c} (\mathbf{n} \times \mathbf{E})_{t'=t-R/c}$$