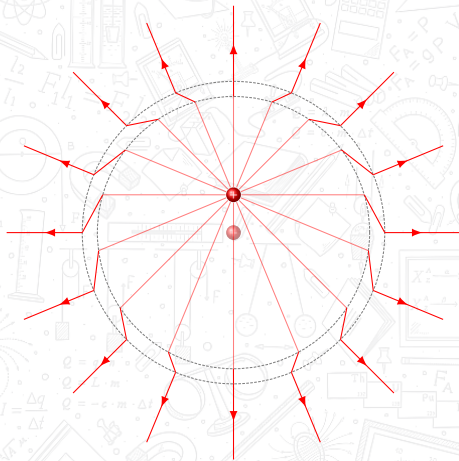
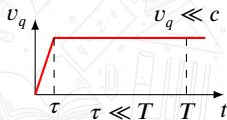
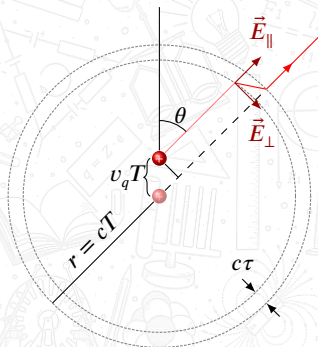


Випромінювання заряду

1





$$\frac{E_{\perp}}{E_{\parallel}} = \frac{v_q T \sin \theta}{c \tau}$$

$$E_{\parallel} = \frac{q}{(cT)^2} = \frac{q}{(cT)r}$$

$$a = \frac{v_q}{\tau}$$

$$E_{\perp}(t) = \frac{q}{(cT)r} \frac{v_q T \sin \theta}{c \tau} = \frac{1}{c^2} \frac{q}{r} a \left(t - \frac{r}{c} \right) \sin \theta$$