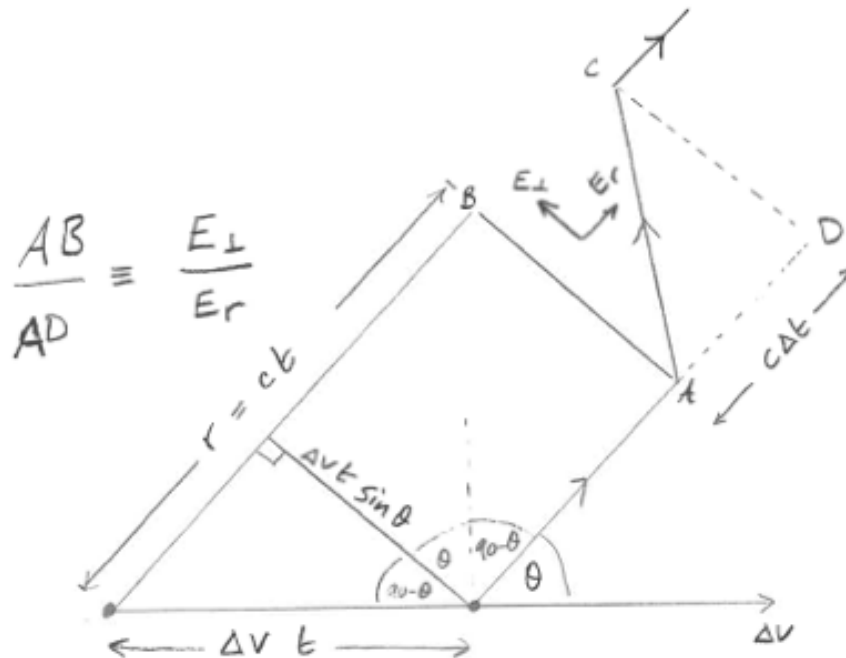
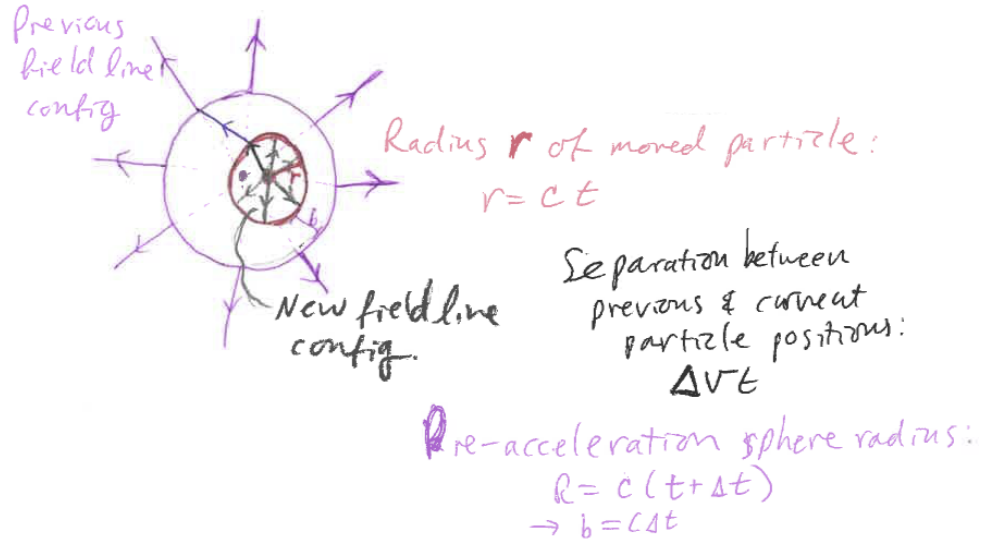


Geometry of emissions from accelerated charges

Particle moving rightward in this figure:



Leads to

$$E_{\perp} = E_r \frac{\Delta v t \sin(\theta)}{c\Delta t} \quad (1)$$

(Nice second figure courtesy of Prof. Lorimer)