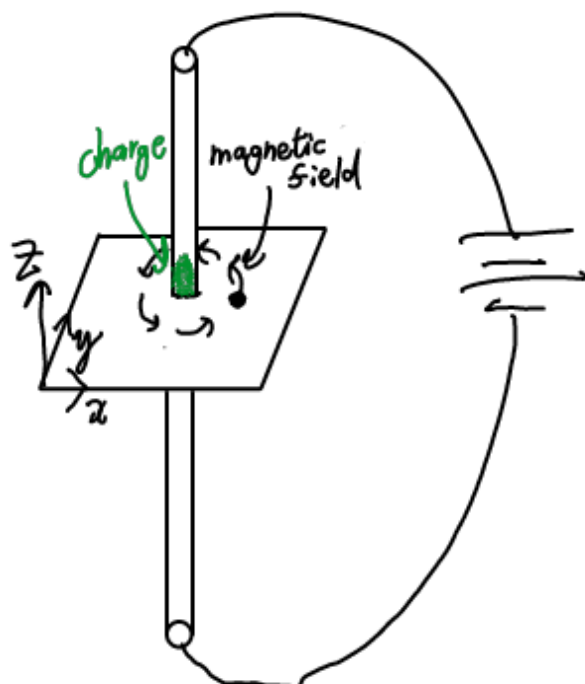
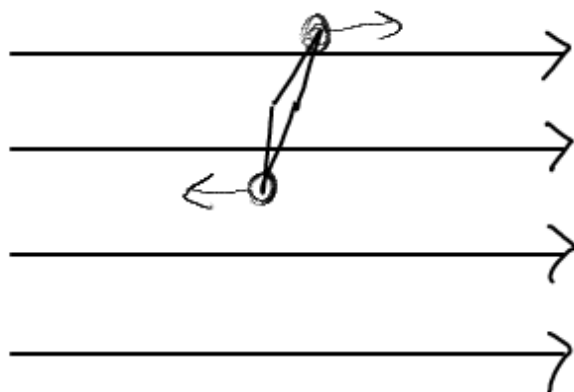
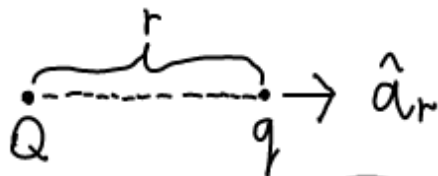


Magnetism & Magnetic Field (magnetostatics)

Electrostatics

$$\vec{F}_q = \frac{qQ}{4\pi r^2 \epsilon_0} \hat{a}_r$$



$$\vec{F} = q\vec{v} \times \vec{B}$$

Field
velocity

Biot-Savart Law

$$\vec{B} = \left(\frac{\mu_0}{4\pi}\right) \frac{q\vec{v} \times \hat{r}}{r^2}$$

\vec{v} has to be constant.

