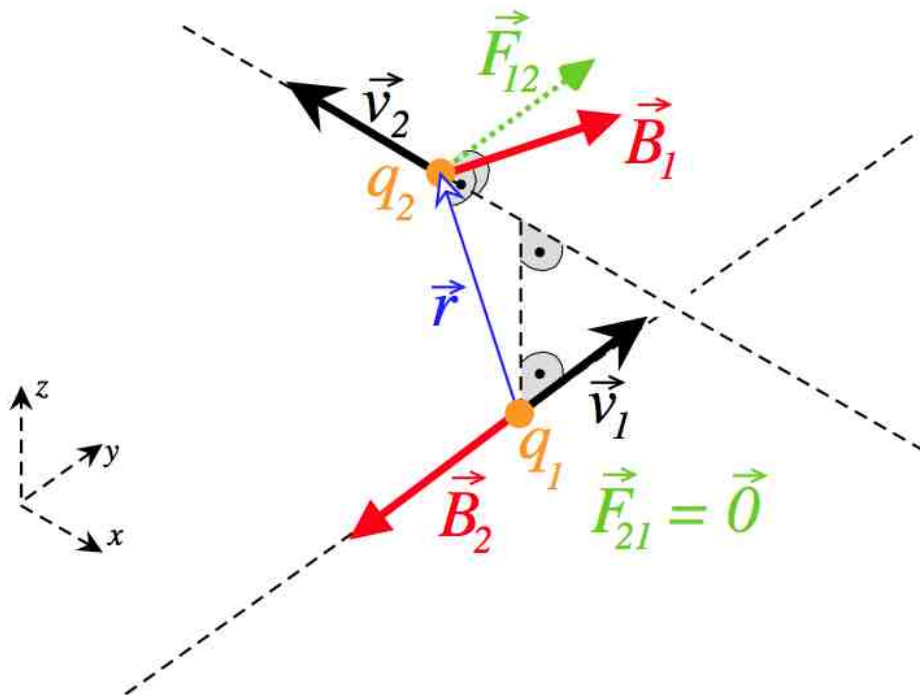


Actio = reactio



Magnetic field of a point charge q moving with velocity \vec{v} :

$$\vec{B} = \frac{\mu_0}{4\pi} q \frac{\vec{v} \times \vec{r}}{r^2}$$

$$\vec{B}_1 = \frac{\mu_0}{4\pi} q_1 \frac{\vec{v}_1 \times \vec{r}}{r^2}, \quad \vec{B}_2 = \frac{\mu_0}{4\pi} q_2 \frac{\vec{v}_2 \times (-\vec{r})}{r^2}$$

$$\begin{aligned} \vec{F}_{12} &= q_2 \vec{v}_2 \times \vec{B}_1 \neq \vec{0} \\ \vec{F}_{21} &= q_1 \vec{v}_1 \times \vec{B}_2 = \vec{0} \end{aligned}$$