

Equations

$$\vec{F}_B = q\vec{v} \times \vec{B} = q|\vec{v}||\vec{B}|\sin\theta$$

$$\vec{F}_B = I\vec{l} \times \vec{B} = I|\vec{l}||\vec{B}|\sin\theta$$

$$\vec{F}_{net} = q\vec{E} + q\vec{v} \times \vec{B}$$