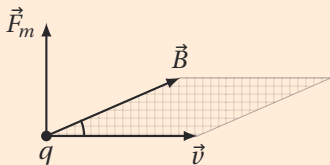# Magnetic force on a moving charge

$$\vec{F}_m = q\left(\vec{v} \times \vec{B}\right)$$

$\vec{F}_m$ $\quad q \quad$ $\vec{v}$ $\quad \vec{B}$

magnetic force

charge

velocity

magnetic field