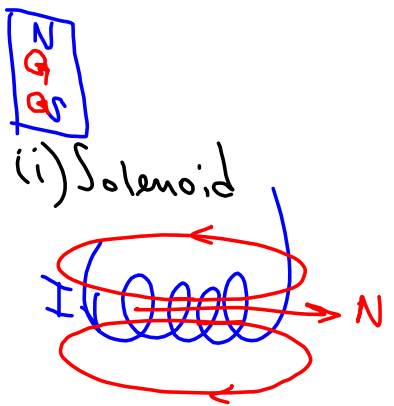
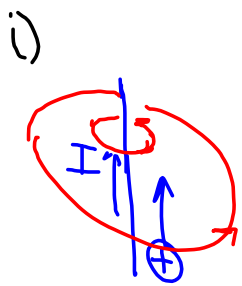
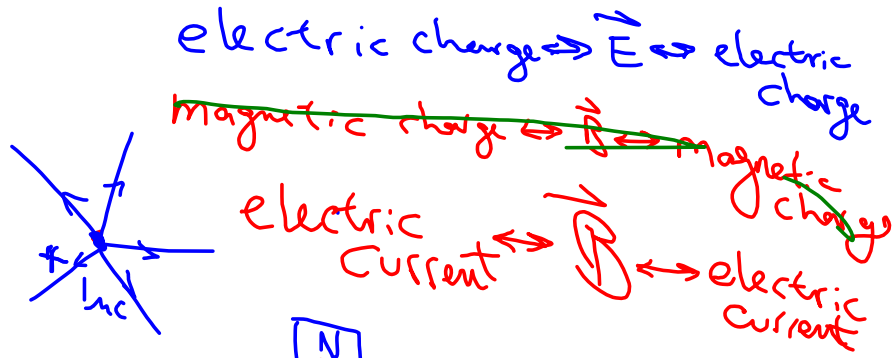


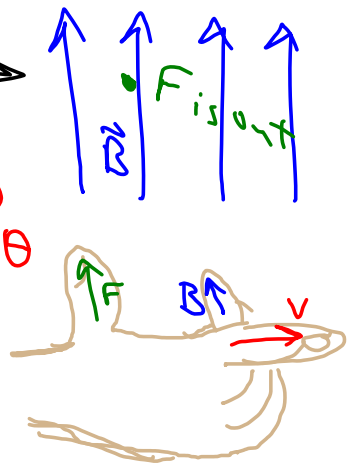
Magnetic Field, \vec{B}

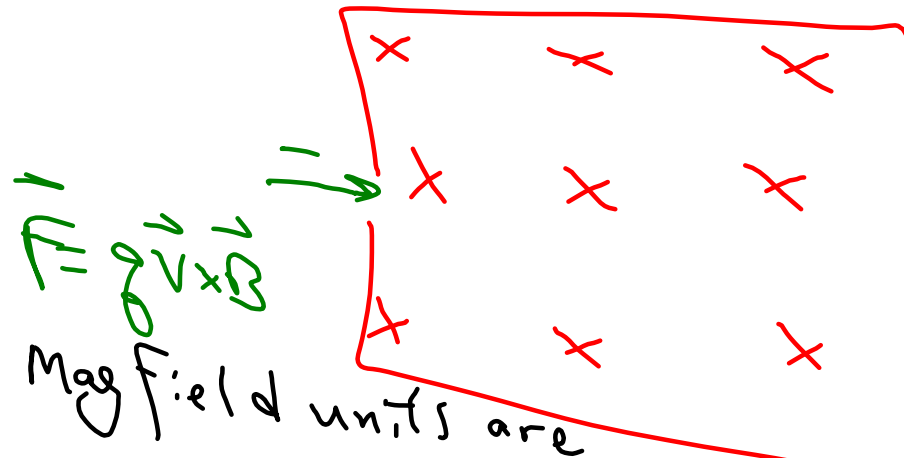


(iii)

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

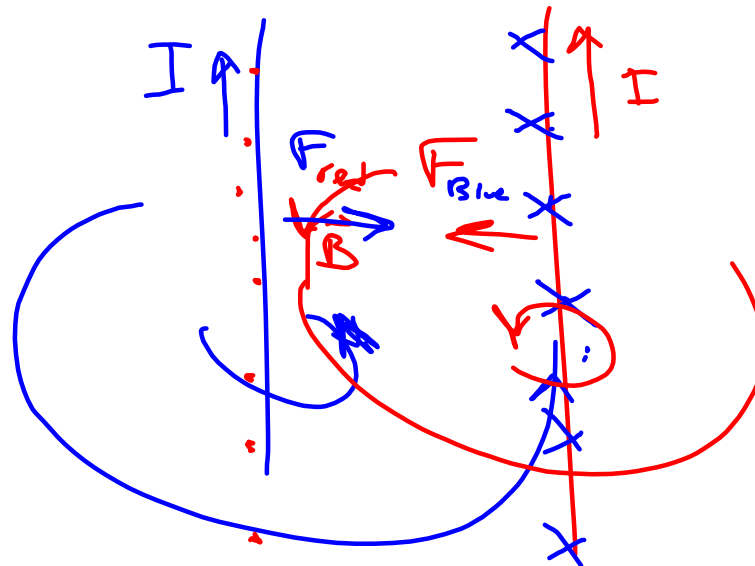
$$= qvB \sin \theta$$





Mag field units are

$$1 \frac{N}{C \cdot m} = 1 T = 1 \text{tesla} = 1 \frac{N}{A \cdot m}$$



$$F = I \mathbf{L} \times \mathbf{B}$$

$$F = BIL$$