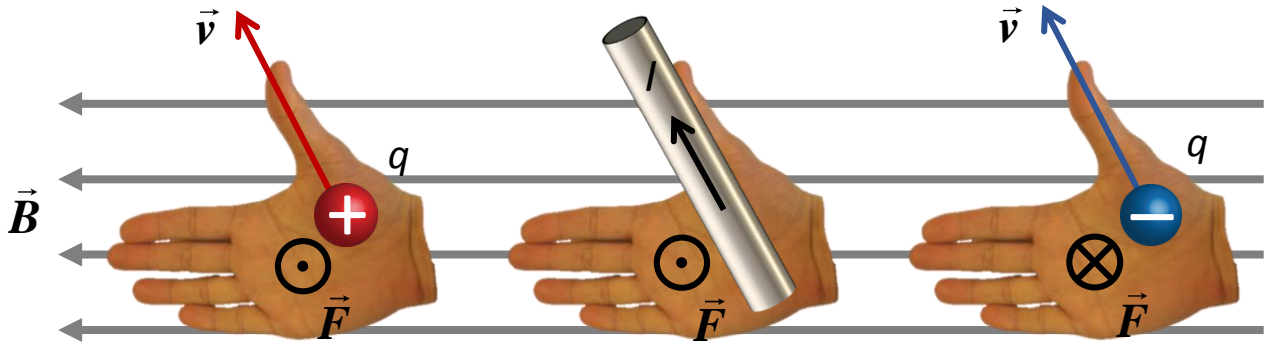


# Right hand rule (RHR) summary

Type I: RHR for *forces* on moving charges and currents

Moving + charges and currents

Moving - charges



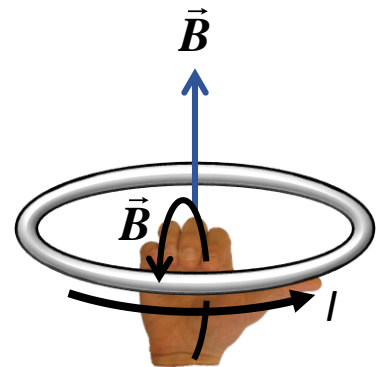
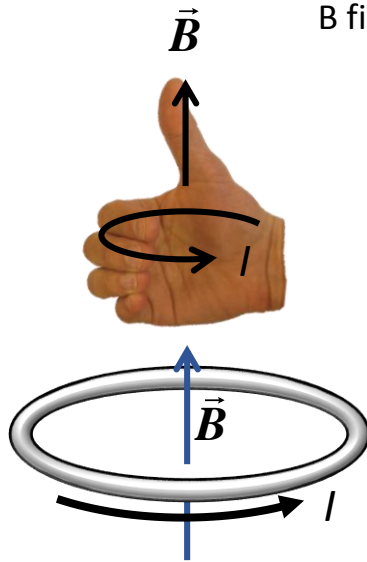
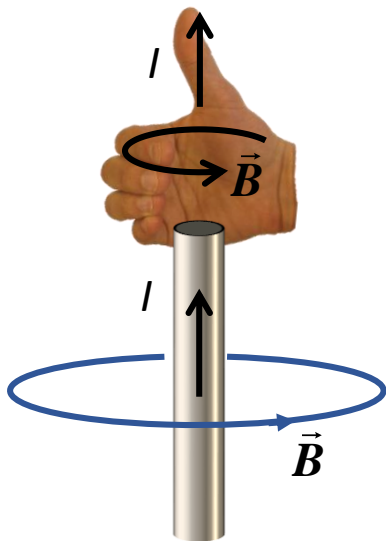
Thumb along  $\vec{v}$   
 Fingers along  $\vec{B}$   
 $\vec{F}$  on +  $q$  is out of palm

Thumb along  $\vec{v}$   
 Fingers along  $\vec{B}$   
 $\vec{F}$  on -  $q$  is into palm

Type II: RHR for *magnetic fields* generated by currents

B field from wire

B field inside loop



Thumb along  $I$   
 Curl fingers along  $\vec{B}$

Curl fingers along  $I$   
 Thumb along  $\vec{B}$

OR:

Thumb along  $I$   
 Curl fingers along  $\vec{B}$