

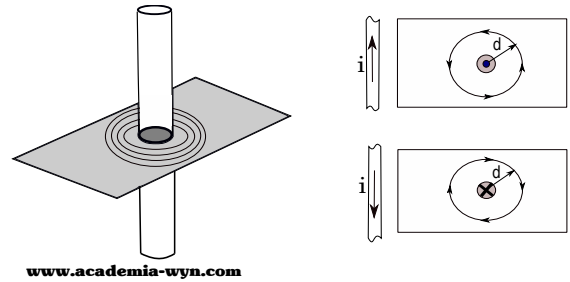
CAMPO MAGNETICO

Campo magnético generado

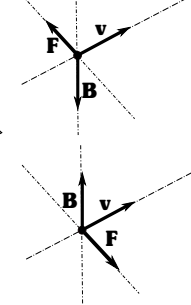
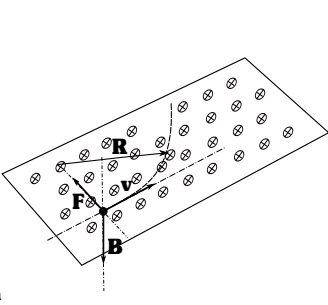
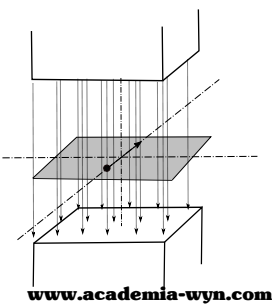
Campo creado por un hilo conductor $B = \mu_0 \cdot \frac{i}{2\pi d}$

Campo en el centro de una espira $B = \mu_0 \cdot \frac{i}{2R}$

Campo en el centro de una solenoide $B = \mu_0 \cdot \frac{i}{l} \cdot n$



Carga móvil en un campo magnético



$$F = q \cdot \vec{v} \wedge \vec{B}$$

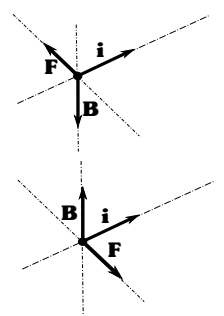
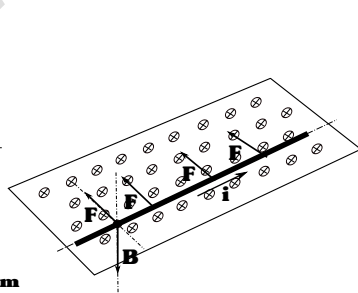
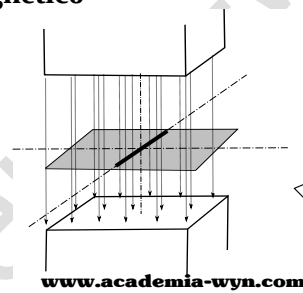
$$F_{\text{magnetica}} = F_{\text{centrifuga}}$$

$$q \cdot v \cdot B = m \cdot \frac{v^2}{r}$$

Hilo conductor en un campo magnético

$$F = i \cdot \vec{l} \wedge \vec{B}$$

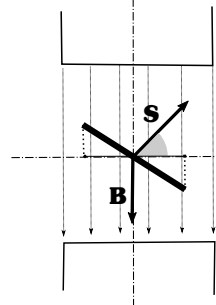
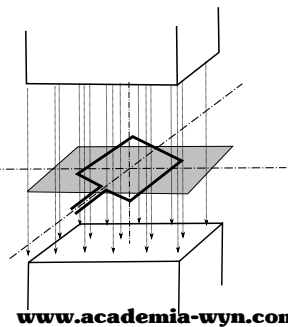
f.e.m. inducida ξ
 $\xi = B \cdot l \cdot v$



Fuerza entre dos hilos conductores paralelos

$$F = \mu_0 \cdot \frac{i_1 \cdot i_2}{2\pi d} \cdot l$$

Espira en un campo magnético



Flujo que atraviesa la espira $\phi = B \cdot S \cdot \cos \alpha$

f.e.m. inducida $\xi = \frac{-d\phi}{dt}$