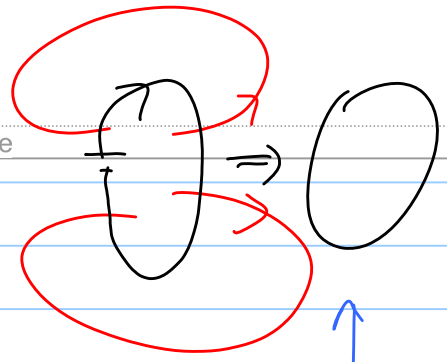
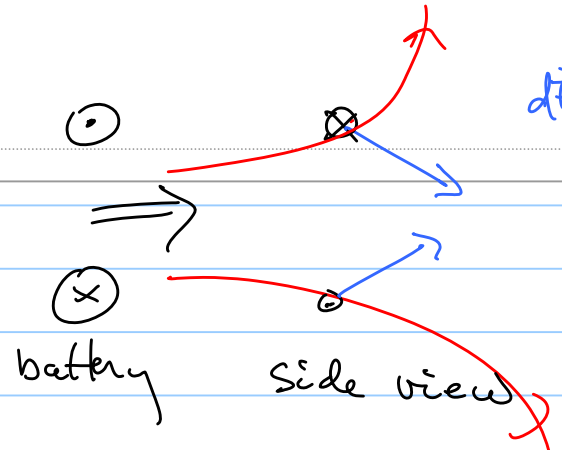
Note Title 4/18/2007



Solid disk

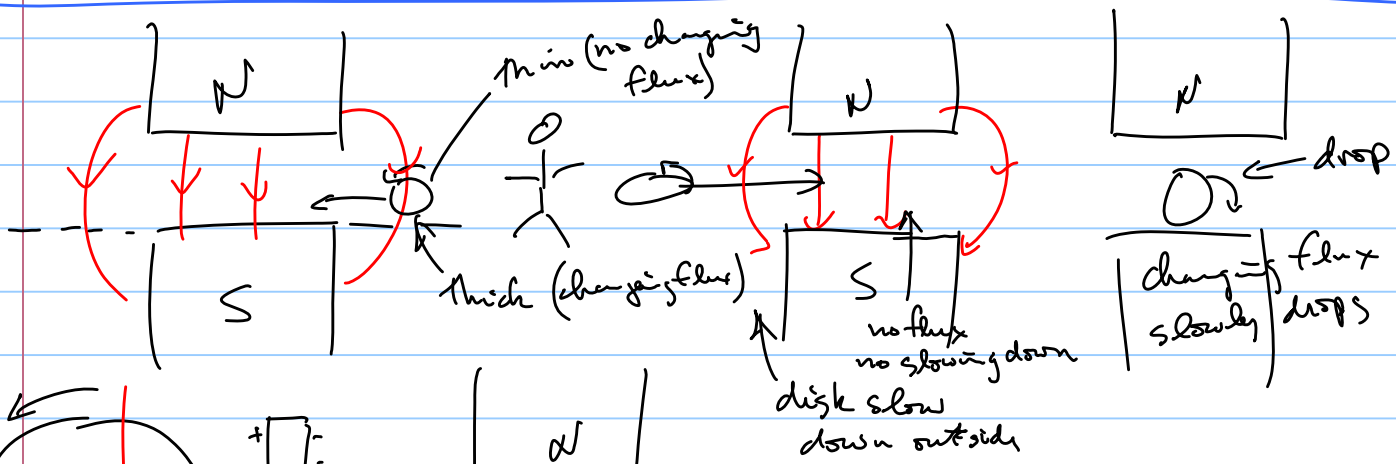


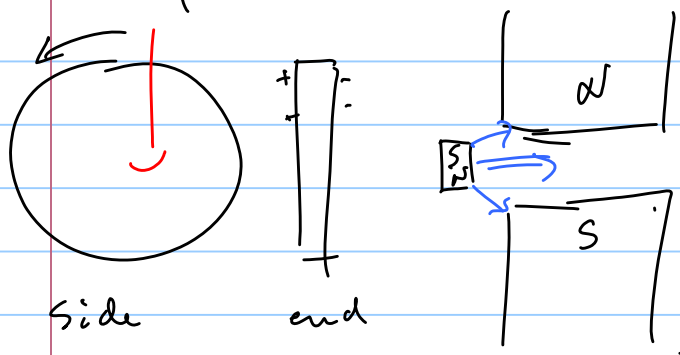
battery

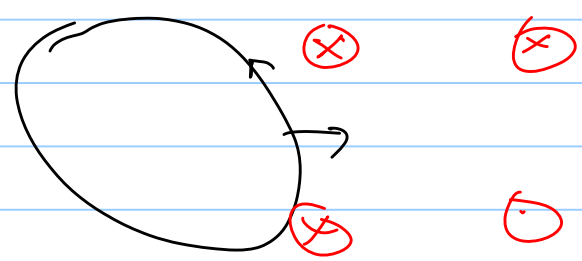
side view

$d\vec{F} = I d\vec{l} \times \vec{B}$

$\mathcal{E}mf = IR \qquad I = \frac{\mathcal{E}mf}{R}$





side end

2 effects $\left\{ \begin{array}{l} \mathcal{E}mf = -\frac{d\Phi_m}{dt} = IR \Rightarrow I \\ q\vec{v} \times \vec{B} \end{array} \right.$ $\qquad d\vec{F} = I d\vec{l} \times \vec{B}$