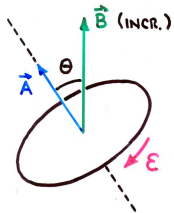


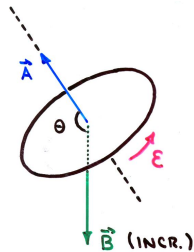
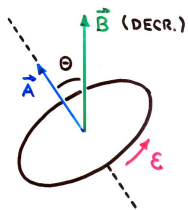


$$\Phi_B = \int \vec{B} \cdot d\vec{A}, \quad \mathcal{E} = \oint \vec{E} \cdot d\vec{\ell} = -\frac{d\Phi_B}{dt}$$

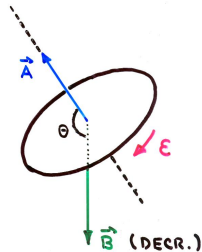
$$\Phi_B > 0, \quad \frac{d\Phi_B}{dt} > 0$$



$$\Phi_B > 0, \quad \frac{d\Phi_B}{dt} < 0$$



$$\Phi_B < 0, \quad \frac{d\Phi_B}{dt} < 0$$



$$\Phi_B < 0, \quad \frac{d\Phi_B}{dt} > 0$$