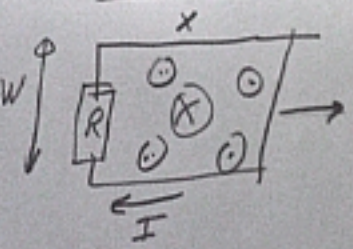
250

$$\Phi_M = \oiint \vec{B} \cdot d\vec{A}$$

$$\mathcal{E} = -\frac{d\Phi_M}{dt}$$



$$\mathcal{E} = -\frac{d\Phi_M}{dt}$$

$$\Phi_M = B \cdot (x \cdot w)$$

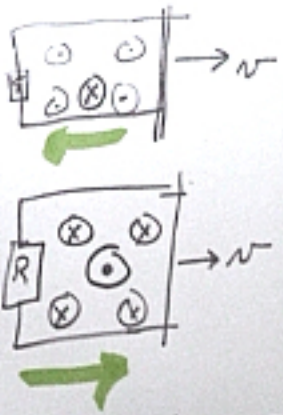
$$\varepsilon = -\frac{d\Phi_M}{dt}$$

$$\Phi_M = B \cdot (\ell w)$$

$$\frac{d\Phi_M}{dt} = B w v$$

$$\varepsilon = -B \ell w \qquad \varepsilon = IR$$

$$\left(I = \left| \frac{B \ell w}{R} \right| \right)$$

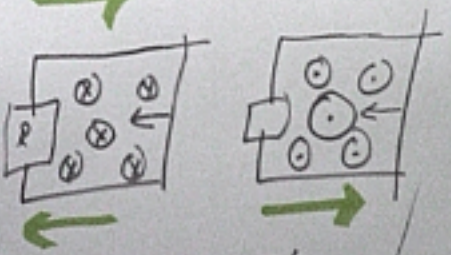


$x = 5t^3$

$\frac{d\phi}{dt} = BW(15t^2)$

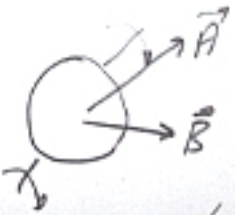
$\frac{d\phi}{dt} = BWa$

$\mathcal{E} = -BWa$



a $\quad x = x_0 + at$

$\phi = BW(x_0 + at)$

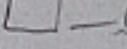


$$\Phi_m = \vec{B} \cdot \vec{A}$$

$$\Phi_m = BA\cos(\omega t)$$

$$\mathcal{E} = -\frac{d\Phi_m}{dt} = -\omega AB\sin(\omega t)$$

$$\mathcal{E} = \omega AB\sin(\omega t)$$



$$L = \frac{\Phi_M}{I} \qquad \frac{Tm^2}{A}$$

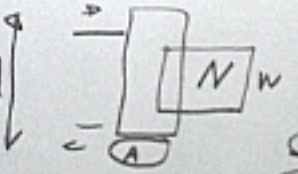
$$1h = \frac{1Tm^2}{1A} \qquad I = bt \qquad \frac{V}{(A/s)}$$

$$L = \frac{d\Phi_M/dt}{dI/dt} = -\frac{\mathcal{E}}{b}$$

$1h = \frac{J/m^2}{1A}$ (✓) $\frac{V}{(A/s)}$

$I = bt$

$L = \frac{d\Phi_M/dt}{dI/dt} = -\frac{\mathcal{E}}{b}$



$B = \mu_0 n w I$

$\Phi = NBA$

$\Phi_M = \mu_0 n^2 (Vol) \cdot I$

$L = \frac{\Phi_M}{I} = \mu_0 n^2 (Vol)$

$C = \varepsilon_0 \frac{A}{d}$

$U_E \in w_{cd}$

(4)