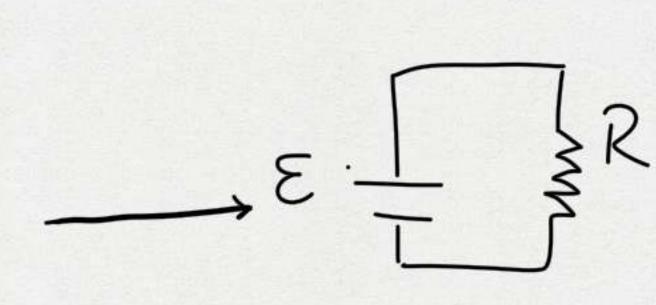
$$F_m = i.lB$$

 $v(t) = at = i.lB t = i.lB t = m$
 $v(t) = i.lB t_1 = 9.6 m/s$

m = 400 s, R = 500 D $\times \times \vec{B} \times \vec{B} \times \vec{B} \times \vec{B} = 40 \text{ cm}, B = 0.8 \text{ T}$ A il generatore formisce une corrente contente contente ... = 0.2 A - (1) obressione di motor - (2) v al tempo t= 155 -3) il lavor del generatire de t=0 a t=t,



$$\mathcal{E} = |\mathcal{E}_{G}| - |\mathcal{E}_{L}| \Rightarrow |\mathcal{E}_{G}| = \mathcal{E} + |\mathcal{E}_{L}|$$

$$\mathcal{E}_{L} = -\frac{\partial \Phi}{\partial t} = -\sigma(t) \mathcal{L} \mathcal{B} = -\frac{i \cdot \ell^{2} \mathcal{B}^{2} t}{m} \Rightarrow \mathcal{E}_{G} = i \cdot \mathcal{R} + \frac{i \cdot \ell^{2} \mathcal{B}^{2} t}{m}$$

$$G = E_{6} \hat{i}_{0} = R_{10}^{2} + \frac{n_{0}^{2} L^{2} t^{2} t}{m}$$

$$W = \int_{0}^{t_{1}} G dt = R_{10}^{2} t_{1} + \frac{i_{0} L^{2} B^{2}}{m} \int_{0}^{t_{1}} t dt = R_{10}^{2} t_{1} + \frac{1}{2} \frac{n_{0} L^{2} B^{2} t_{1}^{2}}{m} = R_{10}^{2} t_{1} + \frac{1}{2} m_{0}^{2} t_{1}$$

$$\varepsilon$$
. $\frac{\Gamma^{\text{MM}}}{\Gamma} \varepsilon_{\text{a}}(\mathbf{k})$

$$C_{im} = \mathcal{E}_{s.i.m} = 0$$

$$E_{i} = -\frac{d\Phi}{dt} = -v/t Bl = v$$

$$\varepsilon = \sum_{t=0}^{l} R$$

$$(i(t) = i(0)e)$$

$$T = \frac{L}{R'}$$
, $i(0) = \frac{\varepsilon}{R}$ = $\varepsilon = i(0)R = 0.176V$

$$\frac{1}{2} \frac{1}{1} \frac{1}$$

$$R' = -\frac{L}{15} \log \frac{\lambda(15)}{\lambda(0)}$$

$$E = 4.10^{4} \text{ H}, R = 5\Omega, E = 200V$$

$$E = \frac{1}{1000} \text{ P} \quad \text{determinate } t^{*}: i(t^{*}) = 0.6 i(\infty)$$

$$\text{2} \quad \text{l'energia accumulate nel compt magnetics quandor } i(t) = i(\infty)$$

$$i(t) = i(\infty) \left(1 - e^{-t/\tau}\right) = \frac{E}{R} \left(1 - e^{-t/\tau}\right)$$

$$\text{4} \quad 0.6 = \frac{1}{R} \left(1 - e^{-t/\tau}\right) \Rightarrow 0.4 = e^{-t/\tau}$$

$$-\log 0.4 = \frac{t^{*}}{7} \Rightarrow -7\log 0.6 = t^{*}$$

$$\text{2} \quad \text{U} = \frac{1}{2} \text{Li}(\infty)$$

$$B/V$$
 B/V
 B/V
 B/V
 B/V
 B/V
 B/V
 B/V
 B/V
 AV
 A

$$R = 10^{-3}\Omega$$
, $m = 10g$, $l = 20$ cm
 $B_{*}(z) = B_{0}z$, $B_{0} = 2T/m$
 G interesta e versos della corrente?

D'internté e vers della corrente?

$$\overline{\Phi} = \int_{\Sigma} \hat{R} \cdot \hat{A} d\Sigma = B \cdot \int_{0}^{L} dx \int_{h(t)}^{h(t)+\ell} dx = B \cdot L \left[\frac{1}{2} (h(t)+\ell)^{2} - \frac{1}{2} h(t) \right] =$$

$$= B. 2\left[\frac{1}{2}l^{2} + 2h(t)\right] \Rightarrow$$

$$\frac{d\Phi}{dt} = B. 2v(t) \Rightarrow i = -\frac{B. 2v(t)}{R}$$

$$y \longrightarrow x \qquad \overrightarrow{B} / \overrightarrow{y} \qquad F_{p} = m g = F_{m}$$

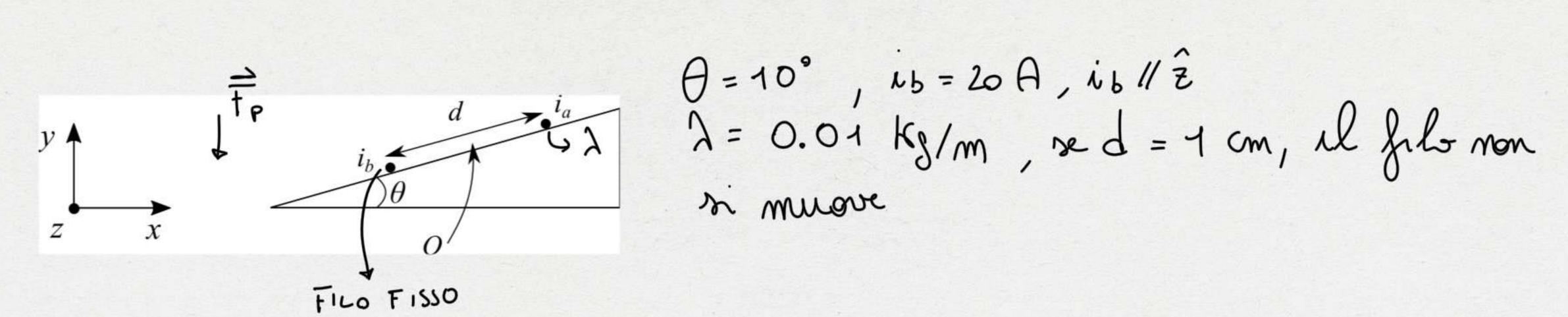
$$\overrightarrow{E} = i l B (h/k)$$

$$= i l B_{o} (h/k)$$

$$= l^{2} B_{o} v/k$$

$$R, m$$

(3)
$$\lambda_{LM}$$
, $\lambda(t) = \frac{\ell^2 B. \nabla Ib}{R}$ |=> $\lambda_{LIM} = \frac{\nabla_{LIM} \ell^2 B.}{R} = \frac{Rmg}{\ell^4 B.^2} \frac{\ell^2 B.}{R} = \frac{mg}{\ell^2 B.}$



(1) colcobre vers e internité d'ile

(D) B(0)=?

3) agrungions un comp externo Bext =-Bot, Bo = 0.7T.

Determinare il volore di va necessario offinale il sistema
volore in equilibrio.