## Ficha de Problemas 8

- (2) a) perpendicular ao plano e "para denho"
  - b) sentido anti-horario
  - d) 61>62 pg 2L >L
- 3  $\Phi_{B} = 6_{10} t^{2} + 7_{10} t$  $fem = ? \times 055 \times 2_{11} \times 3_{10} \times 35_{11} = 0$
- a)  $\mathcal{E} = -\frac{12t+7}{1}$   $|\mathcal{E}| = 31 \,\text{mV}$
- b)  $e = 60 \Omega$  $i = \frac{\varepsilon}{e} = \frac{31}{60} = \frac{31}{60} = 0,52 \text{ mA & anhido hoednio}$
- $A = 0/12 \times 10^{-2} \text{ m}$   $A = TT (0/12 \times 10^{-2})^2 = 4/5 2 \times 10^{-6} \text{ m}^2 = 85 \Omega$ 
  - a)  $|\mathcal{E}| = N \frac{d(BA)}{dt} = 2 \mathcal{E} = \frac{0.5 \times 4.52 \times 10^{-6}}{2}$  Não inclui a revistência
    - 6)1 E1 = Zero c) igual as a)
- 6) N=206R=252l=18×10-2m $<math display="block">A = 3,24 \times 10^{-2} \text{ m}^2$
- a)  $\Delta B = 0.50$   $\Delta t = 0.8$   $\epsilon = -N \Delta B A$   $\epsilon = -200 0.5 \times 3.24 \times 10^{-2} = -1.05$  $1 \epsilon 1 = 4 V$

b) 
$$i = \frac{\mathcal{E}}{2} = 2A$$

6 
$$N_4 = 220 / cm$$
  
 $R_1 = 1.6 \times 10^{-2} m$   
 $N_2 = 120$   
 $R_2 = 1.8 \times 10^{-2}$   
 $R_3 = 1.8 \times 10^{-2}$ 

$$A_1 = 8_104 \times 10^{-4} \text{m}^2$$
  
 $A_2 = 1_102 \times 10^{-3} \text{m}^2$ 

$$\Delta \dot{y} = 1.5A$$

$$\Delta t = 25 \times 10^{-3} \text{ S}$$

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$$c = 182 = -120 \times 8,04 \times 10^{-6} \times 1,26 \times 10^{-6} \times 220 \times 10^{2} \times 10^{-6} \times 10^{-6}$$

a) 
$$L = 25 \times 10^{-2} \text{m}$$
  
 $V = 55 \times 10^{-2} \text{m/s}$ 

b) 
$$R = 18\Omega$$
  
 $i = 0.0481 = 2.67 \times 10^{-3} A$ 

C) 
$$P = \frac{B^2 L^2 V^2}{R} = P = 1,28 \times 10^{-4} W$$

$$|\mathcal{E}| = \frac{2 \times 8 \times 10^{-4}}{1} = |\mathcal{E}| = 0,0016$$

$$i = 0.0016 = 8 \times 10^{-4} A$$

(10) 
$$R = 10\Omega$$
 $A = 4 \times (6175 \times 1.5)$ 
 $B = 0.10$ 
 $A = 7.79 = 1.21$ 
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