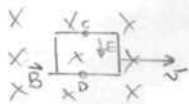


Ejercicios Adicionales

Ejercicio 1A (← para FQ2 2004)



Gruta Plano Metal $A = 0,065 \cdot 0,088 = 0,00572 \text{ m}^2$

$$v = cb = b$$

$$\text{Bunjangue} = B = 1,2 \times 10^{-3} \text{ T}$$

$$\mathcal{N} = \frac{d\Phi}{dt}$$

$$V_b - V_a = 3,9 \times 10^{-6} \text{ V}$$

$$V = ?$$

$$\int_B \vec{E} d\vec{p} = \Delta V \Rightarrow E = \frac{3,9 \times 10^{-6} \text{ V}}{0,088 \text{ m}} = 4,43 \times 10^{-5} \frac{\text{V}}{\text{m}}$$

$$\mathcal{N} = \frac{E}{B} = 3,69 \times 10^{-2} \frac{\text{m}}{\text{s}}$$

$$\frac{V}{T} = \frac{V}{\frac{N}{A \cdot m}} = \frac{V}{N} \cdot \frac{A \cdot m}{1} = \frac{N \cdot m}{A} \cdot \frac{A}{A \cdot s} = \frac{m \cdot A}{A \cdot s} = \frac{m}{s}$$