



FAP 0291

Gabarito – Lista de Exercícios 8 Indução Eletromagnética

E9.3 $q = 45 \mu\text{C}$.

E9.4 (A) $7,5\text{mV}$ (B) $0,375 \text{ mA}$ (C) $0,94 \mu\text{N}$

E9.8 (A) $0,15 \text{ V}$. (B) 0 V .

E9.11 (A) $0,377 \text{ V}$, (B) $0,473 \text{ mW}$, (C) $1,26 \times 10^{-6} \text{ Nm}$

E9.18 (A) $L = 0,89 \text{ H}$ (B) $V = 0,39 \text{ V}$ (C) $I = 90 \text{ A}$

E9.9 $3,6 \text{ mA}$, no sentido horário.

E9.11 $\frac{L}{l} = \frac{\mu_0}{2\pi} \ln(b/a)$

E9.14 $E(r) = ar/2$, para $r < R$, $E(r) = aR^2/2r$, para $r > R$.