



**4300270**

Gabarito – Lista de Exercícios 8  
Indução Eletromagnética

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**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)  $0 \text{V}$ .

**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)  $I = 90 \text{A}$

**P9.9**  $3,6 \mu\text{A}$ , no sentido horário.

**P9.11**  $\frac{L}{l} = \frac{\mu_0}{2\pi} \ln(b/a)$

**P9.14**  $E(r) = ar/2$ , para  $r < R$ ,  $E(r) = aR^2/2r$ , para  $r > R$ .