



ИСПИТ ИЗ ОСНОВА ЕЛЕКТРОТЕХНИКЕ 1

01. 09. 2017. - Рјешења

1.

$$A_e = Q_p E a.$$

2.

- a) $c = 4 \text{ cm}$,
 $d = 6 \text{ cm}$
б) $U_{\max} = 67,5 \text{ kV}$.

3.

- a) $b/a = e$.
б) $C' \approx 111,2 \text{ pF/m}$.
в) $q'_v = 715,97 \text{ nC}$.
г) $W'_e = 9,218 \frac{\text{mJ}}{\text{m}}$.

4.

$$P_{E_3} = -150 \text{ mW} \text{ и } P_{g1} = 215 \text{ mW}.$$

5.

$$E_2 = E_1 = 24 \text{ V}.$$

$$Q = 24 \text{ } \mu\text{C}.$$