HI4 電氣磁気学演習課題 (2004/7/11)

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(a) 事体 11: 10 [C] か323 V: QP., V2 = QP21 事体 212 - Q[C] あ323 V! = -QP12, V2 = -QP22

$$(C) V_{12} = V_1 - V_2$$

$$= QP_{11} - QP_{12} - (QP_{21} - QP_{22})$$

$$= Q(P_{11} - QP_{12} - QP_{21})$$

= Q (Pir +2 Piz + P+2)V)

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[課題(2)

$$(\alpha),(\alpha 1) c = \frac{\varepsilon_0 s}{d}$$

$$(02) C = \frac{8.85 \times 10^{-12} \cdot 00 \times 10^{-4}}{5 \times 10^{-3}}$$

$$= 1.77 \times 10^{-11} [F]$$

(C)(1)
$$C = \frac{\alpha}{V} = \frac{4\pi\epsilon_0}{a - b}$$



a: 4 hum

16m #1-41-1274