HT No: 4

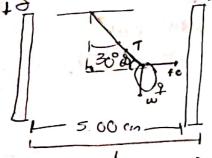
nombre: Lenel Josue Efrain Rusno Jeronimo

Camé: 202006373 Jeccon: "P"

Profesor: Bayron Cuyan Fisica 11 152022

AUX: JOSÉ BOLUX

Probbma L



a la magnhol de E entre les placos.

$$E = \frac{660}{9} = \frac{(0.0015)(9.80)}{(8.90 + 10^{-6})}$$

o) Ca dermoia pouncal placa

Vab = E L

$$E = 0$$
, $\frac{Q}{A}$

$$E = \frac{\sigma}{\epsilon o} - \frac{\frac{q}{\kappa}}{\epsilon o} - \frac{q}{\epsilon o} = \frac{(954)(8.85 + 10^{-2})(0.001)}{60.001}$$

9 = 8.44 PC

 $0 = 680 = (934)(8.85+10^{12}) = 8.44 n 0/m^{2}$

problema 2 31=11 ONG 91 = -22.04 G 400cm 93 = - 330AC a) 00 = K9192 + K9193 + K9193 $V_0 = K \left[\frac{(HOM)(-220u)}{(0.00)} + \frac{(HOM)(-230u)}{(0.00)} + \frac{(-230u)}{(0.00)} + \frac{(-230u)}{(0.00)} \right]$ Vo = LI -6.05 n + 9.075 n + 86.30] 00 = 191 J A NP = NPI + NPZ + VP3 $V_P = 12 \left[\frac{11.0 \, \text{H}}{1.5 \cdot 10^{15}} \left[\frac{22.0 \, \text{H}}{0.01} - \frac{230 \, \text{H}}{0.01} \right] = -46.9 \cdot 10^6 \, \text{Volt} \right]$ $C|V_1 = k \left[\frac{-27.04}{0.04} - \frac{3304}{0.09} \right] = -12.4 + 10^6 \text{ voit}$ WFO = 90 VAB - 91 VAB = 91 [VA-VB] - 9, [VI-VZ] W Fe = (11.04) [-12.4+106- (-4.9.5+106)] WFe= 408.4 J problema 3 90 VAO = AK geVAB = KF-KO VF = 1.40 -105 90 VAB = 1 me Ve2 - 1 me Vo2 VAB = 4 (9.11.10-01) [(1.40+105)2- (3.40+10) x = 2.00+M VAG= -6.2268672,1018 9e - 1.60 +10-H V P. 85 = 8AV

Problema 4

Problema 4

$$V_{Ab} = EL = (5.90 \cdot 10^{3})(0.01) = 59.0 V$$
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 V_{A

 $E_{1} = E_{2}$ $E_{1} + U_{1} = 2 + U_{2}$ $\frac{1}{2} m_{1} V_{1}^{2} + \frac{K q_{1} q_{2}}{r_{12}} = \frac{K q_{1} q_{2}}{r_{1}}$ $\frac{Lq, q_2}{\frac{1}{2}m, v, + Lq, q_2} = \frac{L(4e)(80e)}{\frac{1}{2}(13.28+15^{27})(1.00+10^3)^2 + L(4e)(80e)}{(2.00+10^{20})}$ 7,137,28210-13

6.6436860+10-13 = 1.11.10-13

 $|b| = \frac{29.92}{V} = \frac{(4e)(80e)}{(1.11+16^{13})} = 6.64 \cdot 10^{13} J$

