Clave general 1PF2 1S2022

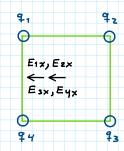
P1

$$\vec{E} = -\frac{2 \times 19.1 \cos 45^{\circ} \hat{\lambda}}{\Gamma^{2}} - \frac{2 \times 19.3}{\Gamma^{2}} \cos 45^{\circ} \hat{\lambda} = -\frac{2 \times \cos 45^{\circ}}{\Gamma^{2}} \left[9. + 9.3 \right] \hat{\lambda}$$

$$\vec{E} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. + 9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45^{\circ}}{2} \left[\frac{9. }{2} \right] \hat{i} = -\frac{2 \times \cos 45$$

$$\sqrt{R} = \frac{1}{4} + \frac{1}{4}$$

$$U_{SIS} + (39) = 1 < \frac{1}{2} \frac{(-5m)(5m)}{0.2} + \frac{(-5m)(-10m)}{0.2} + \frac{(5m)(-10m)}{0.2}$$



PZ

РЗ

$$\Delta x = v_{ox} + t = \Delta x = 0.09 = z_{0.0} = z_{0.0} = z_{0.0}$$

$$\Delta Y = v_{oy}t + (1/z) \Delta y t^{2} \qquad \Delta y = \frac{2[(d/z) - v_{oscn} + t]}{t^{2}}$$

$$O_{y} = 2[(0.03/z) - 7*10^{6}senso(zon)] = -4.61 *10^{14} m/s^{2}$$

$$F = 191E$$
 $ma = 191E$ $E = \frac{ma}{191} = \frac{(1.67 * 10^{-27})(4.61 * 10^{74})}{1.60 * 10} = 4.81 * 10^{6} \frac{N}{C}$

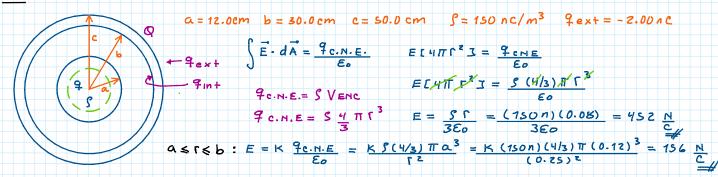
$$2 + y = v_{0y}^{2} + z_{0y}^{2} + z_{0y}^{$$

P4

$$dE = \frac{k \cdot dx}{k \cdot dx} \quad E = \frac{k \cdot dx}{k \cdot dx} = \frac{k \cdot dx}{k \cdot d$$

$$de = \frac{k \times dx}{(-x)^2} \qquad E = \frac{k \times dx}{x^2} \qquad E = \frac{k \times dx}{x^2} \qquad \frac{dx}{x^2} \qquad \frac$$

P5



$$9 = 3(4/3)\pi\alpha^{3} = (150n)(4/3)\pi(0.12)^{3} = 1.086nC$$

$$9 = 1.086nC$$

$$9 = 4 = 0 - 9 = -2n - (-1.086n) = -0.974nC$$

$$9 = 4 = 0.974n$$

$$10.7)^{2} = 16.8 \frac{N}{C}$$

P6

P7

$$\Phi_{E} = \frac{q_{C.N.E}}{\varepsilon_{0}} = \frac{\phi_{\lambda}}{\varepsilon_{0}} = \frac{(0.1)(q_{N})}{\varepsilon_{0}} = 102 \frac{N.m^{2}}{C}$$

$$\frac{d\bar{A}_{1}}{d\bar{A}_{2}} + \frac{d\bar{A}_{2}}{d\bar{A}_{3}} + \int_{A_{1}}^{A_{2}} + \int_{A_{2}}^{C} dA_{3} \cos^{2}\theta^{0} = \frac{q_{C.N.E}}{\varepsilon_{0}}$$

$$E = \frac{1}{2\pi r_{c}} = \frac{(q_{N})}{2\pi r_{c}(0.06) \varepsilon_{0}} = 2.70 \text{ kN/c}$$

$$\frac{d\bar{A}_{3}}{d\bar{A}_{3}} = \frac{102 \text{ N.m}^{2}}{c}$$

