

$$\vec{E}_{Q2} = \frac{k|Q|}{R^2} \left(-\frac{2k}{R} \hat{\chi} - \frac{\alpha}{R} \hat{y} \right)$$

$$\vec{E} = \vec{E}_{Q1} + \vec{E}_{Q2} = \frac{k|Q|}{R^2} \left(-\frac{2a}{R} \hat{y} \right) = \frac{2k|Q|\alpha}{R^3} \left(-\hat{y} \right)$$

$$\vec{E} \Rightarrow \frac{2k|Q|\alpha}{R^3} \left(-\hat{y} \right)$$

$$\vec{E} \Rightarrow \frac{2\alpha k|Q|}{2\alpha k|Q|} \left(-\hat{y} \right)$$

$$P_{s} = \frac{C}{m^{3}}$$

$$P_{v} = \frac{C}{m^{3}}$$

PL= Em