

listrik statis
 Medan dapat ditimbulkan dari suatu muatan
 $\vec{E}$: Medan listrik

$$\vec{E} = k \frac{q}{r^2} \hat{r}_0, \quad \hat{r}_0 = \frac{\vec{r}}{r}$$



$$\vec{E} = \vec{E}_r + \vec{E}_\theta$$

$$= k \left[\frac{q}{r^2} \hat{r}_0 + \frac{q}{r^2} \hat{r}_\theta \right]$$

$$\vec{E}(0) = k \left[\frac{q_2}{s^2} (\hat{j}) + \frac{q_1}{s^2} \left(\frac{-4\hat{i} - 3\hat{j}}{5} \right) \right]$$

$$\vec{F} = \vec{F}_1 + \vec{F}_2$$

$$= kQ \left[\frac{q_2}{s^2} (\hat{j}) + \frac{q_1}{s^2} \left(\frac{-4\hat{i} - 3\hat{j}}{5} \right) \right]$$

$$\vec{F}_0 = kQ \left[\frac{q_2}{s^2} (\hat{j}) + \frac{q_1}{s^2} \left(\frac{-4\hat{i} - 3\hat{j}}{5} \right) \right]$$

