$$\hat{E}_{10} = \frac{k \cdot 10}{R^2} \left(\frac{x \cdot 2 \cdot - y \cdot \hat{y}}{R} \right)$$

$$\mathcal{R} = \int_{\mathcal{R}^2 + \mathcal{Y}^2}$$

$$\overline{E} = \sum_{i=1}^{N} \frac{\Delta Q k (\alpha \hat{x} - y_i \hat{y})}{(\alpha^2 + y_i^2)^{\frac{3}{2}}}$$

=
$$k \Delta Q x \hat{x} \sum_{i=1}^{N} \frac{1}{(n^2 + y^2;)^{\frac{3}{2}}} - k \Delta Q \hat{y} \sum_{i=1}^{N} \frac{y_i}{(x^2 + y_i^2)^{\frac{3}{2}}}$$

$$\lim_{x \to 2} \Delta y \to dy$$

$$= \frac{1}{2} \left(\frac{x}{x^2 + y^2} \right)^{3/2} = \int_{\mathcal{L}} kx \left(\frac{y}{x^2 + y^2} \right)^{3/2}$$

$$\left(\frac{|\vec{x}|^{2} + |\vec{y}|^{2}}{|\vec{x}|^{2} + |\vec{y}|^{2}}\right)^{\frac{1}{2}} \times \left(\frac{|\vec{y}|^{2} + |\vec{y}|^{2}}{|\vec{x}|^{2} + |\vec{y}|^{2}}\right)^{\frac{1}{2}}$$

of N segments

DQ: = DQ

$$E_{x} = \frac{k \log 1}{2 \sqrt{\int_{20}^{2} + \left(\frac{L}{\lambda}\right)^{2}}}$$

$$\int \frac{dy}{2^{2}+y^{2}} \frac{1}{3^{2}}$$

$$\int \frac{1}{2^{2}+y^{2}} \frac{1}{3^{2}} \frac{1}{2^{2}+y^{2}} \frac{1}{3^{2}}$$

$$\int \frac{1}{2^{2}+y^{2}} \frac{1}{3^{2}} \frac{1}{$$