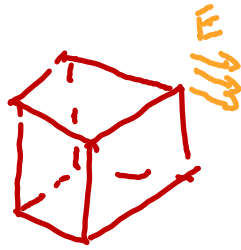


$$\int_1 E dA \cdot \int_2 E dA$$

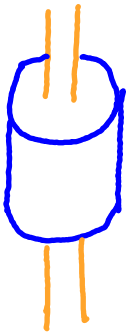


$$\text{Flux} = 0$$

Gauss' Law

$$E = \frac{k_e q}{r^2}$$

$$k_e = \text{coulomb constant} = 8.99 \times 10^9 \text{ N}$$



$$E = 2k_e \frac{\lambda}{r}$$