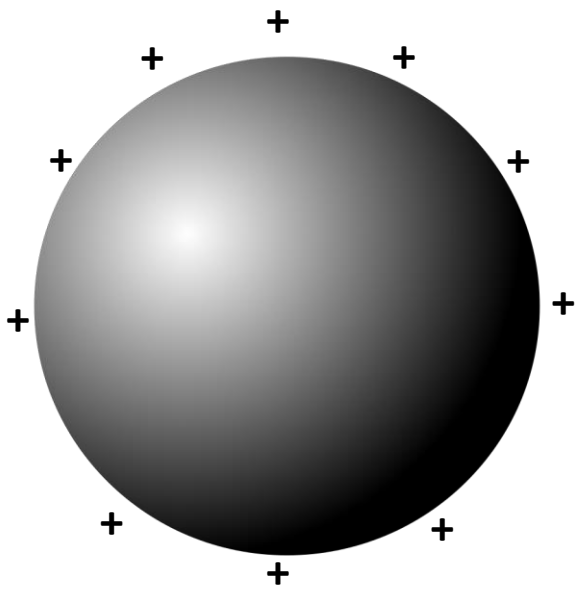
Densidade superficial de cargas, poder das pontas e blindagem

Prof. Jadoski
Física

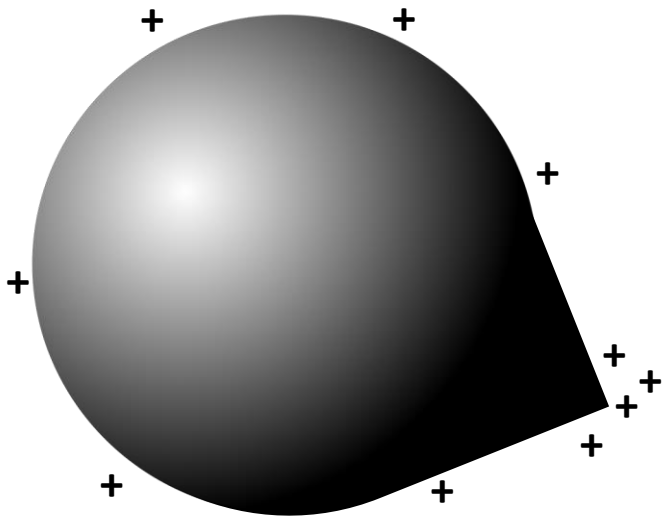
Densidade superficial de cargas



$$\sigma = \frac{Q}{A} \qquad \sigma = \frac{Q}{4\pi R^2}$$

$$[\sigma] = \frac{C}{m^2}$$

Densidade superficial de cargas



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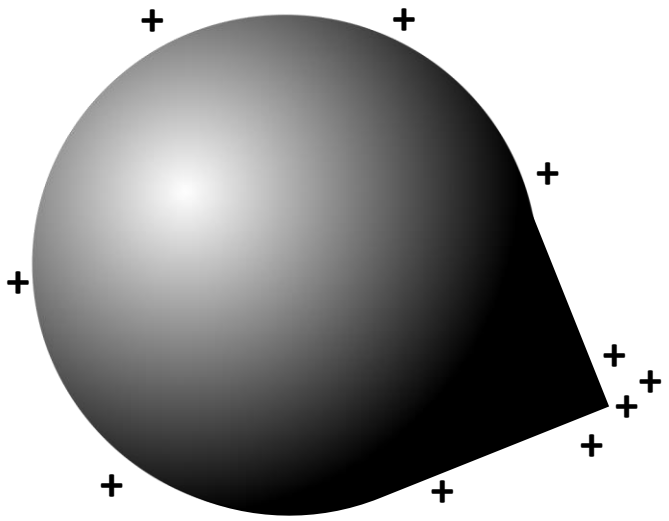
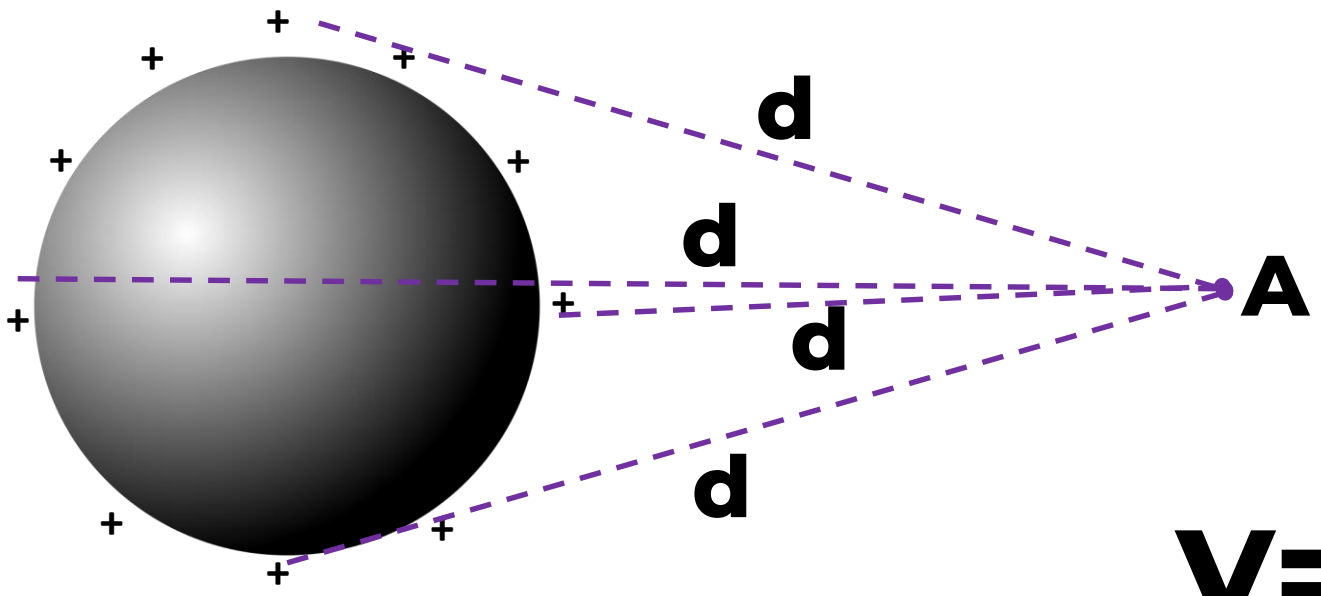


Campo e potencial elétrico

$$E = \frac{K.Q}{d^2}$$

$$V = \frac{K.Q}{d}$$

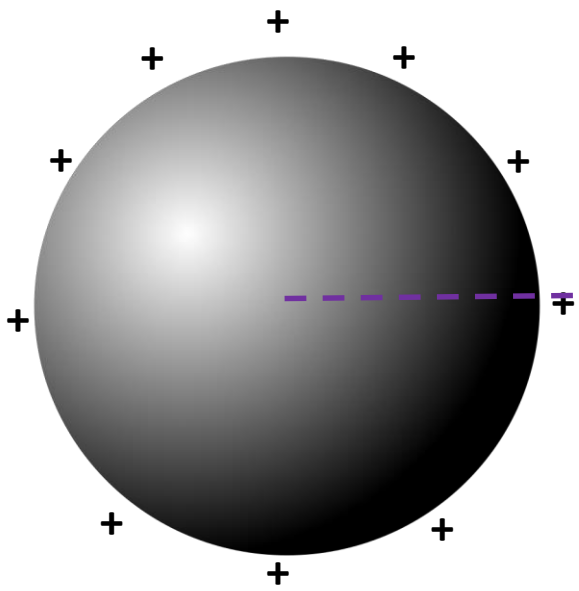
Campo e potencial elétrico



$$E = \frac{K.Q}{d^2}$$

$$V = \frac{K.Q}{d}$$

Campo e potencial elétrico



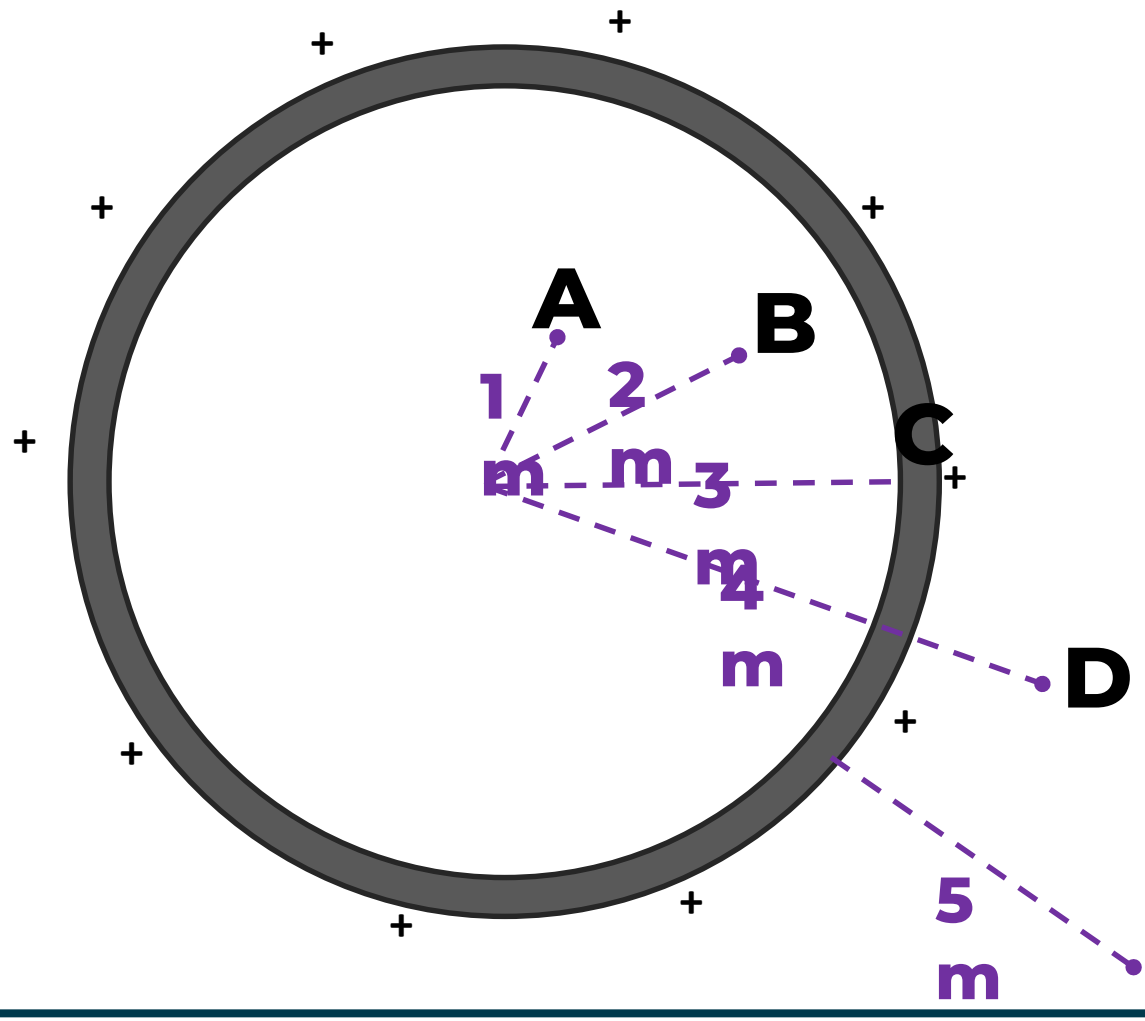
d

A

$$E = \frac{K.Q}{d^2}$$

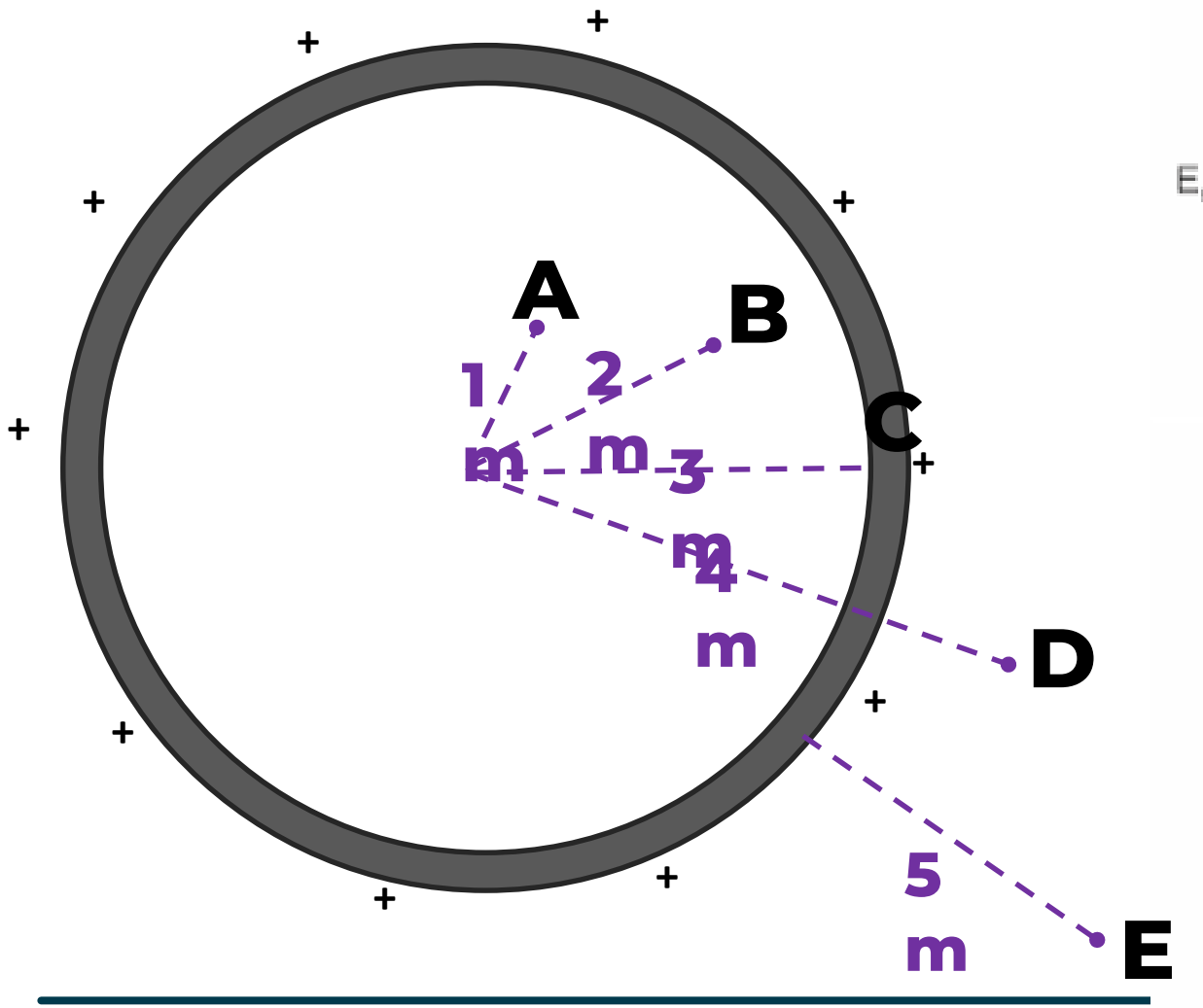
$$V = \frac{K.Q}{d}$$

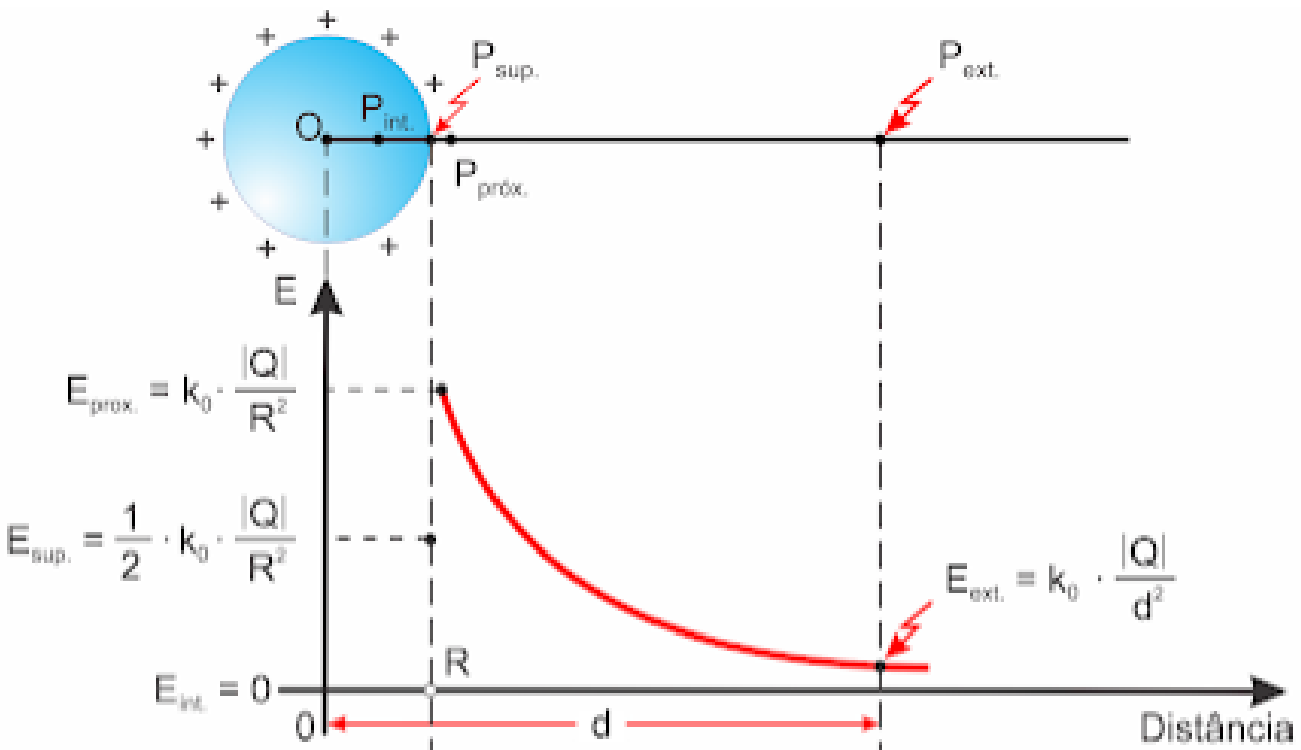
Campo e potencial elétrico

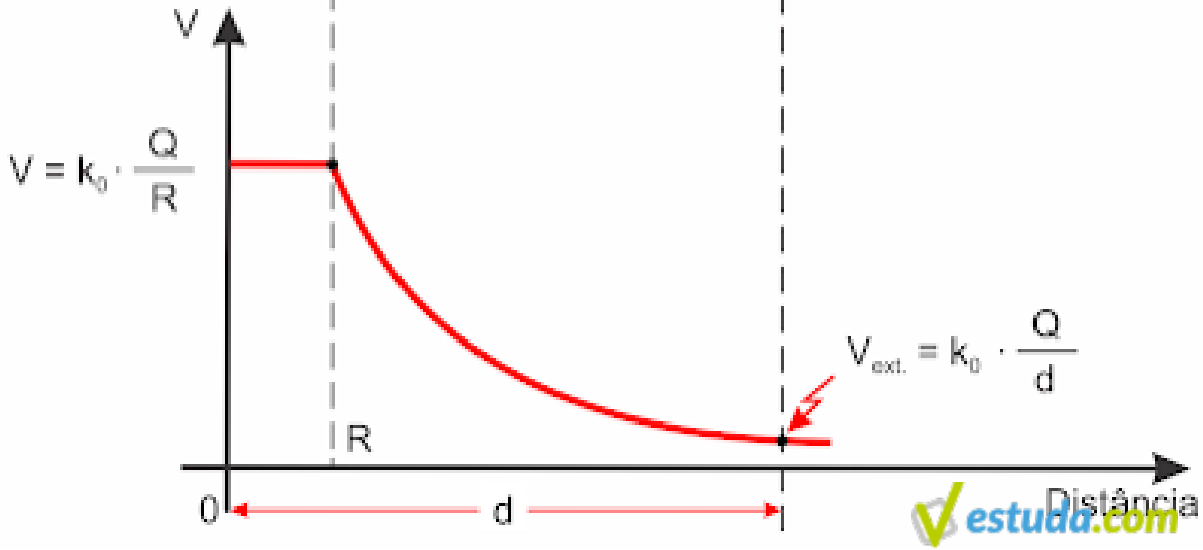


A	$E=0$	$V=\frac{K.Q}{3}$
B	$E=0$	$V=\frac{K.Q}{3}$
C	$E=\frac{1}{2}.\frac{K.Q}{3^2}$	$V=\frac{K.Q}{3}$
D	$E=\frac{K.Q}{4^2}$	$V=\frac{K.Q}{4}$
E	$E=\frac{K.Q}{8^2}$	$V=\frac{K.Q}{8}$

Campo e potencial elétrico







Gaiola de Faraday

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