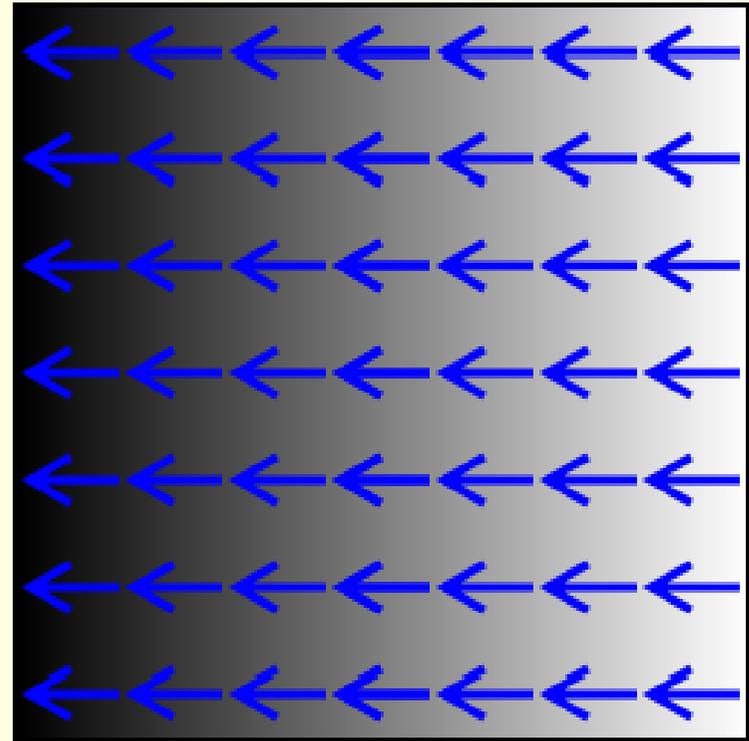
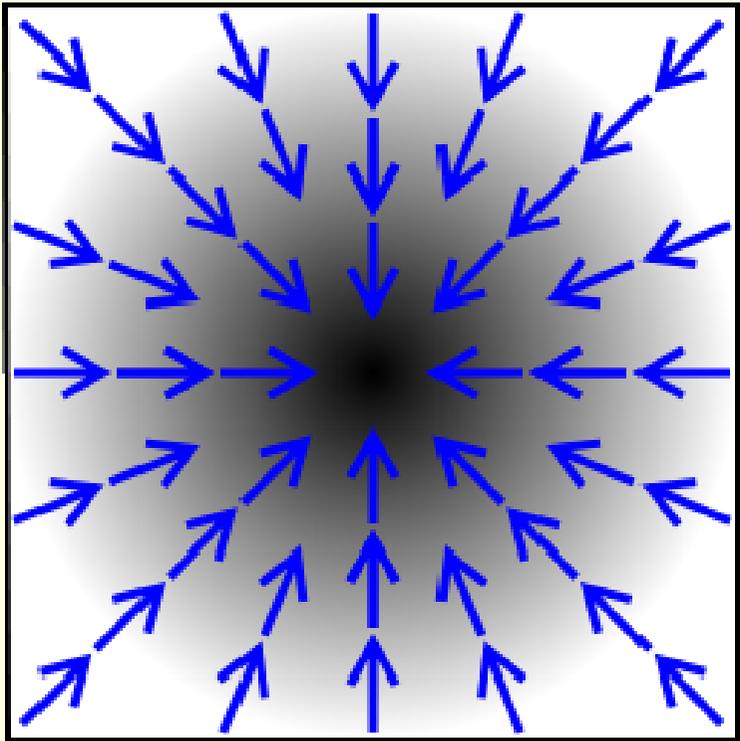


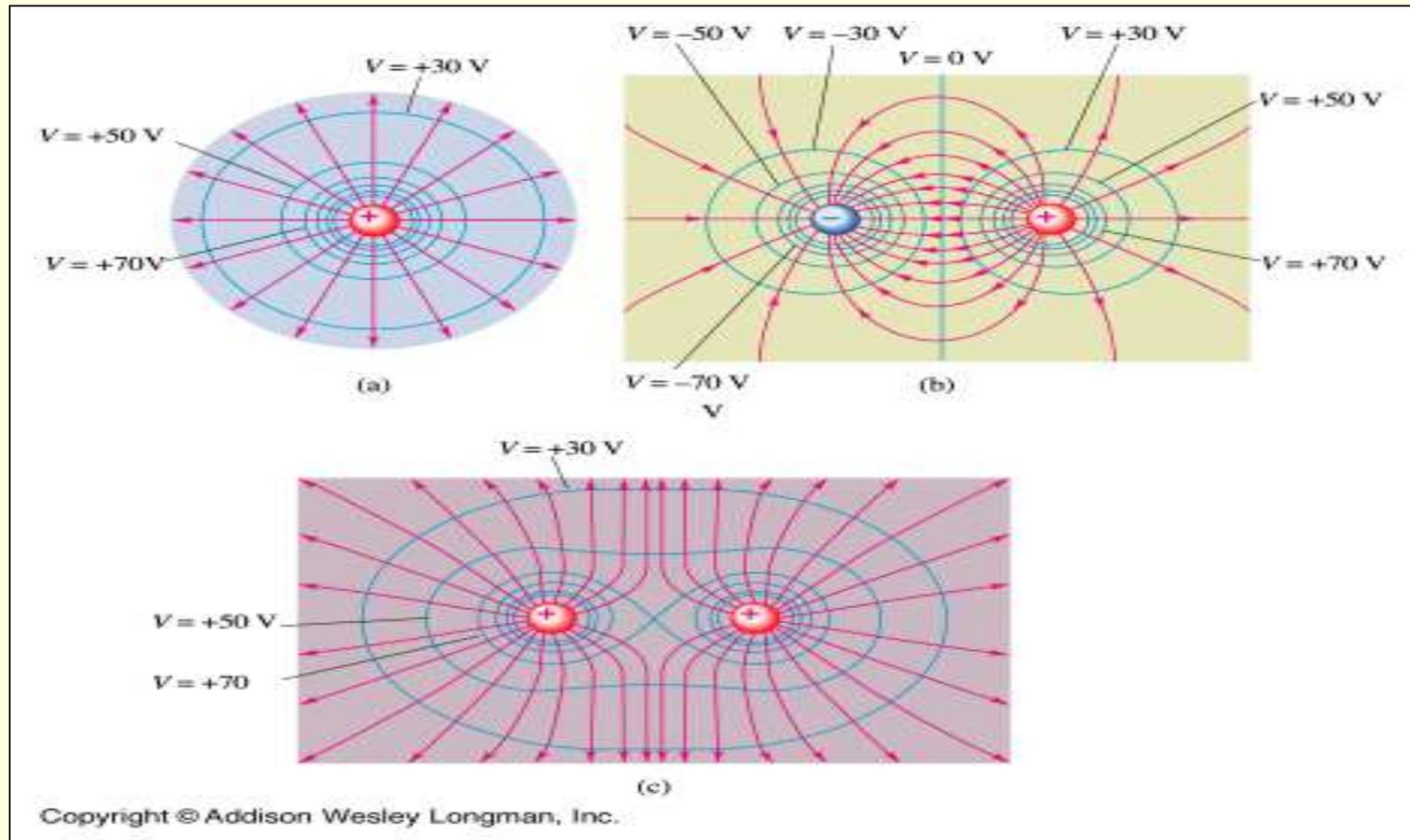
# *Gradiente do potencial eletrostático*



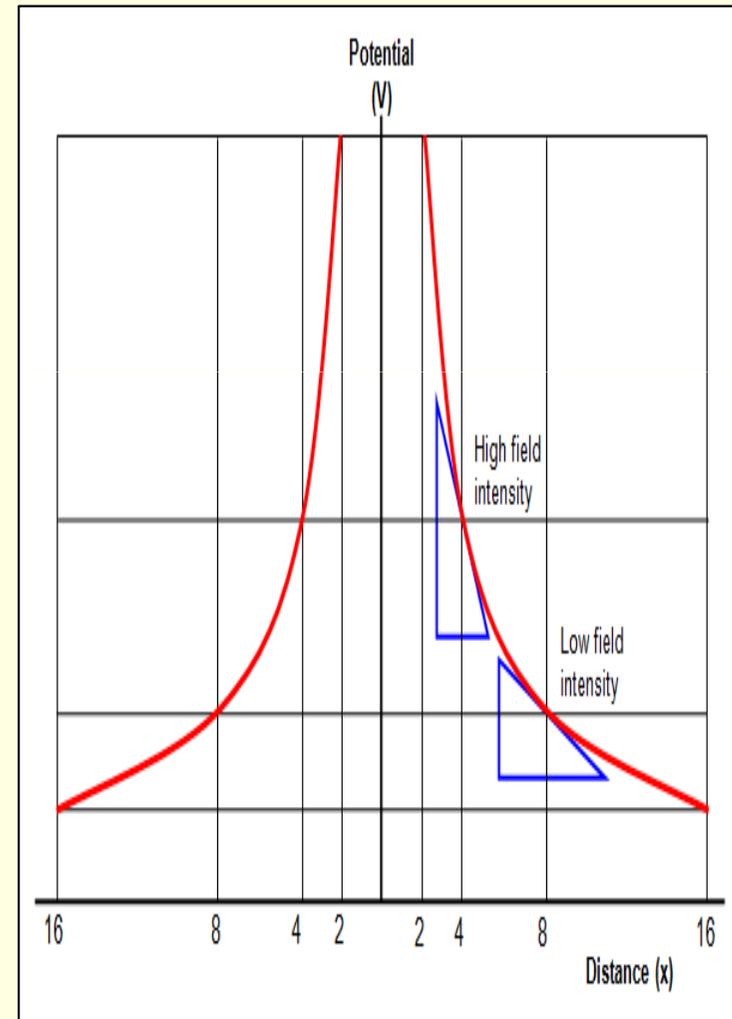
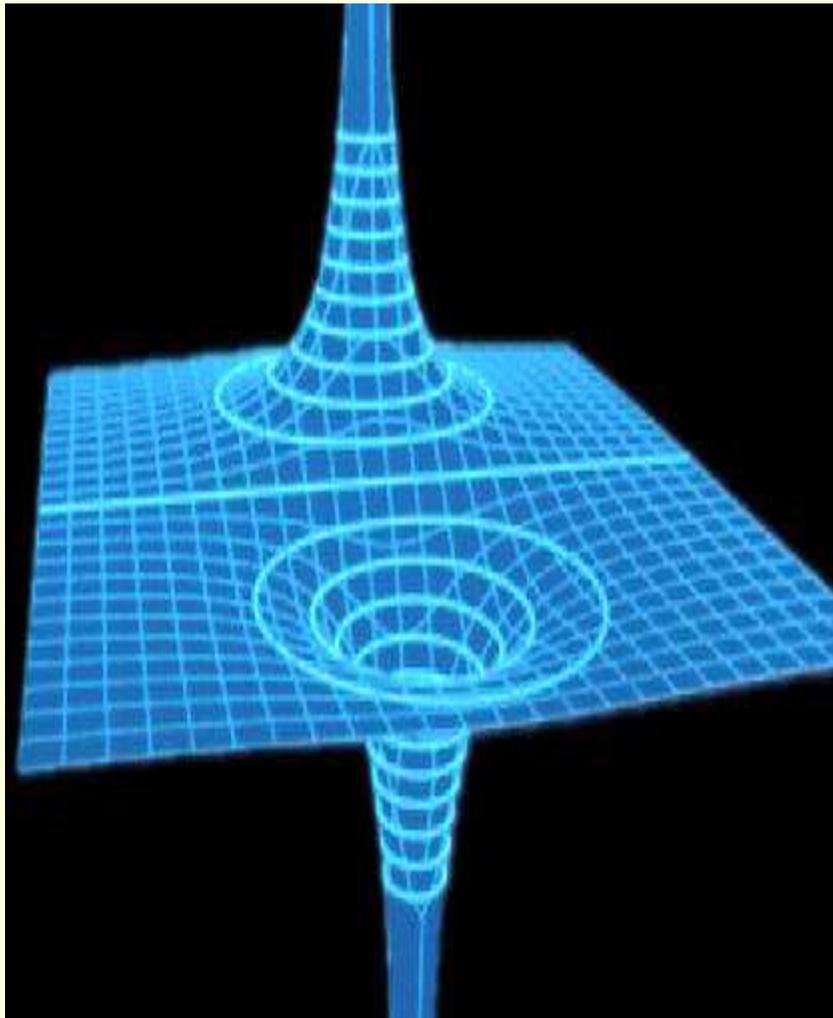
$$E = -\nabla V$$

**Obs. O gradiente sempre aponta para a região de crescimento da função**

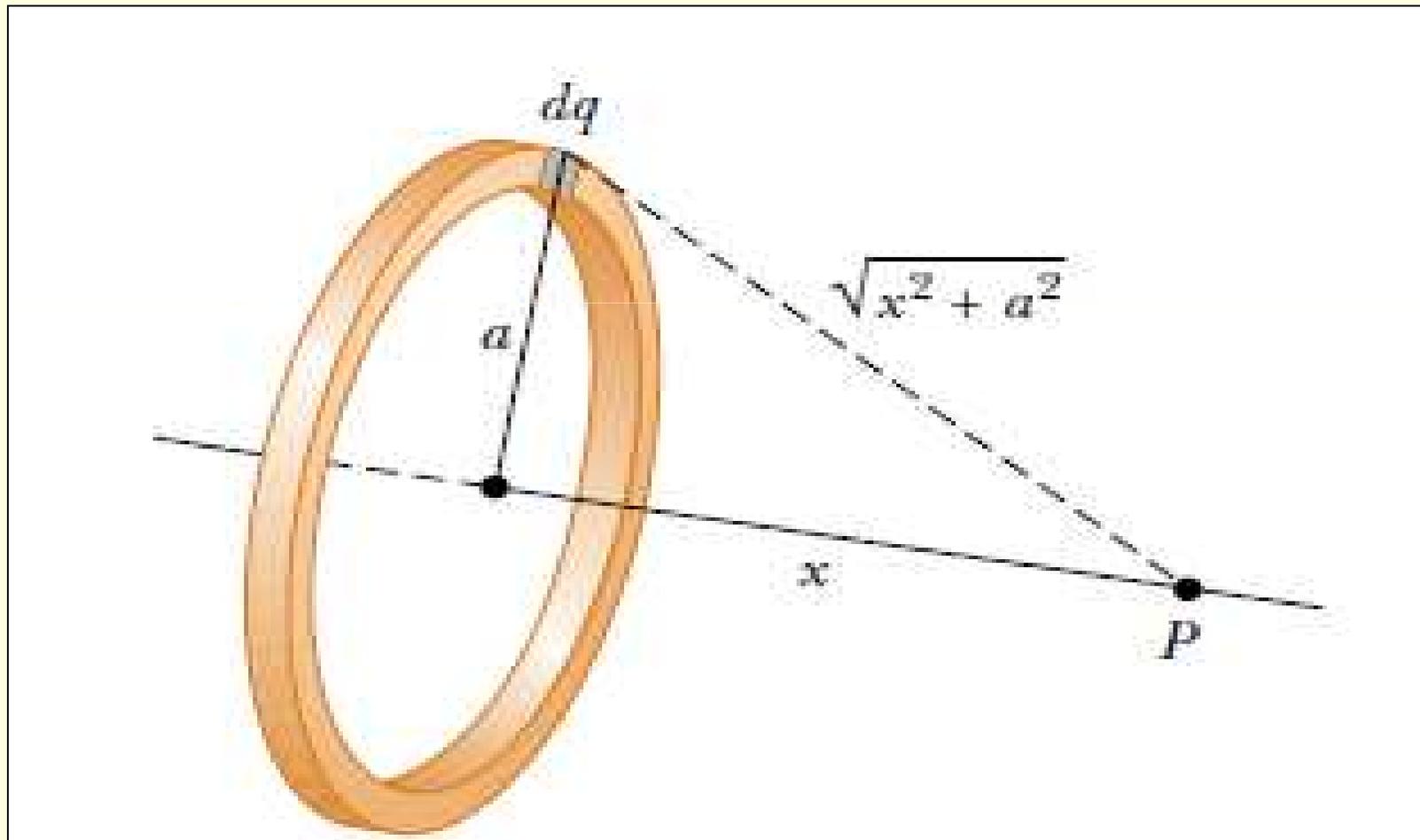
# *Gradiente do potencial eletrostático*



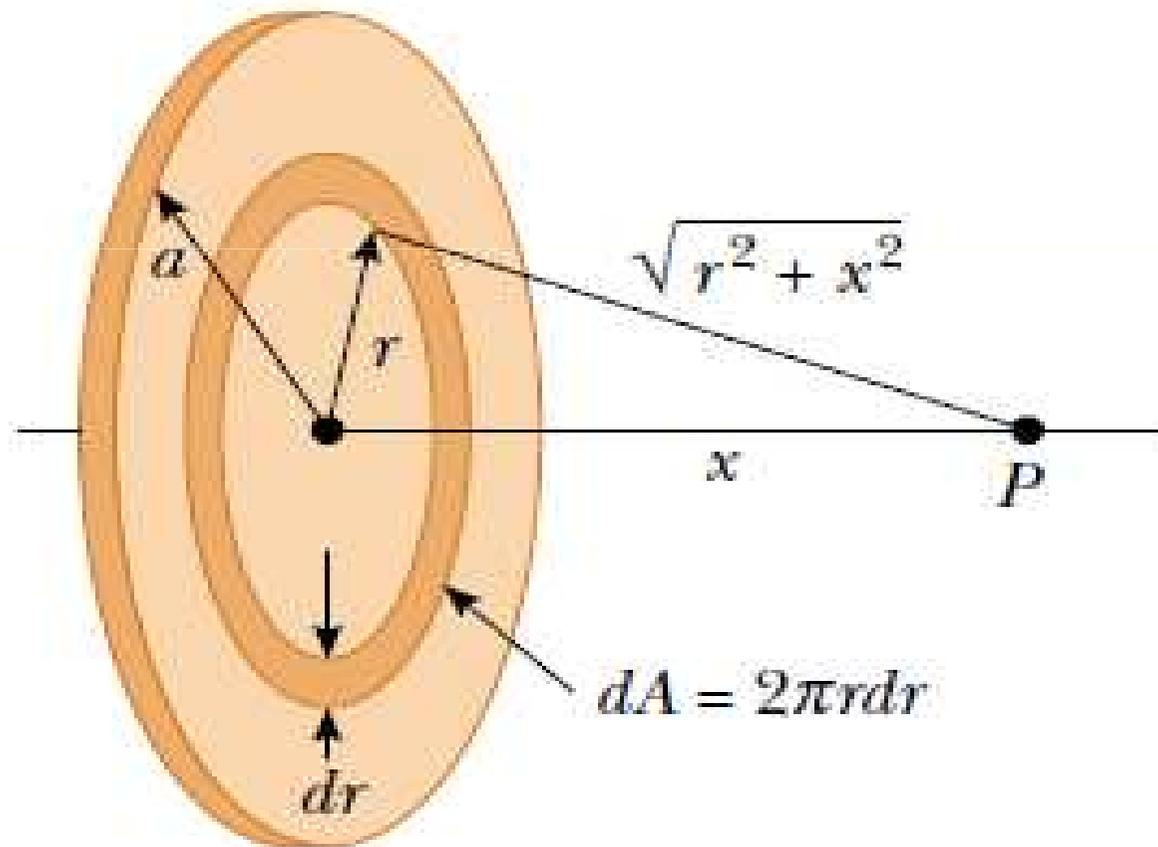
# *Gradiente do potencial eletrostático*



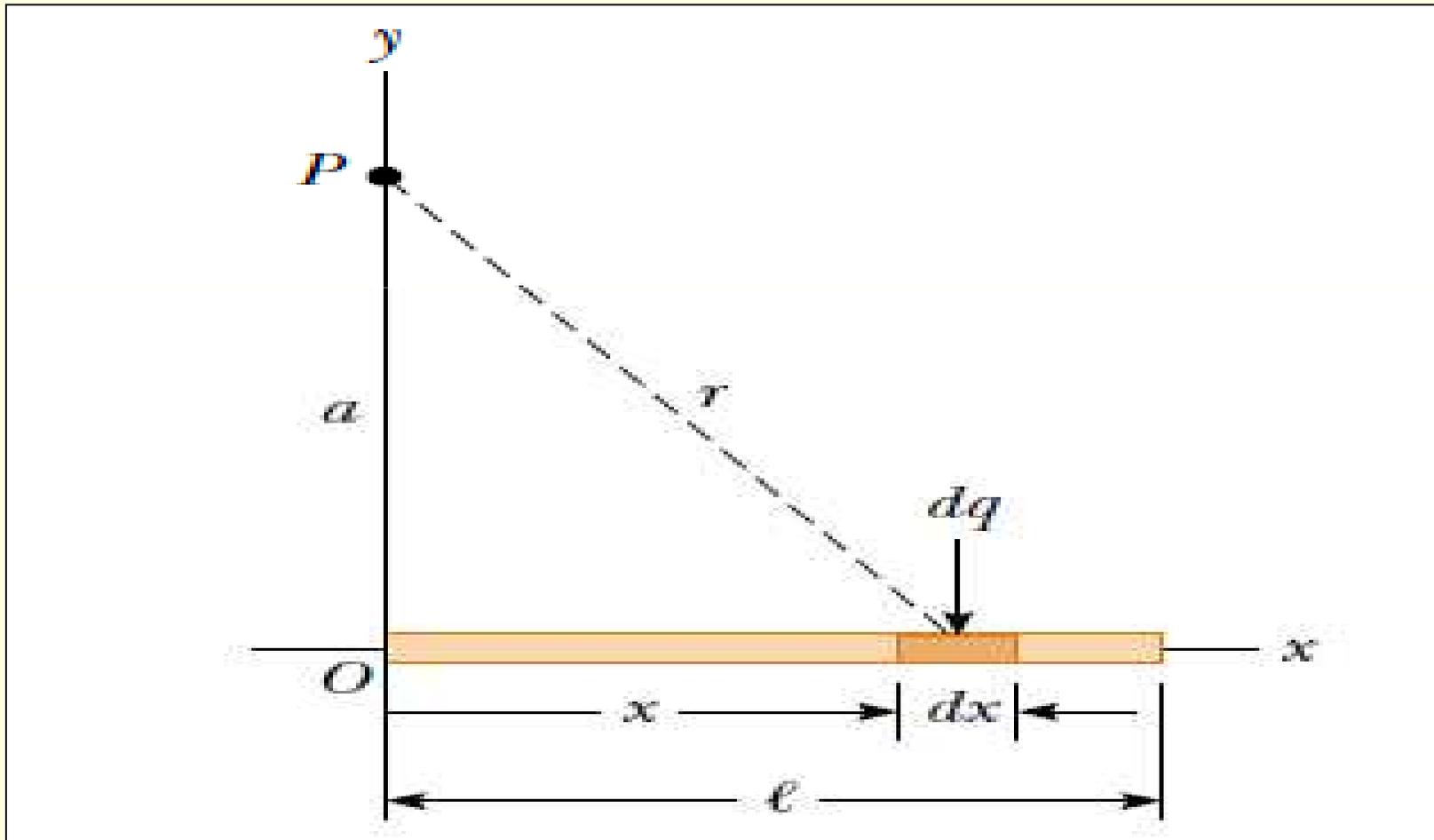
# *Potencial eletrostático de um anel uniformemente carregado*



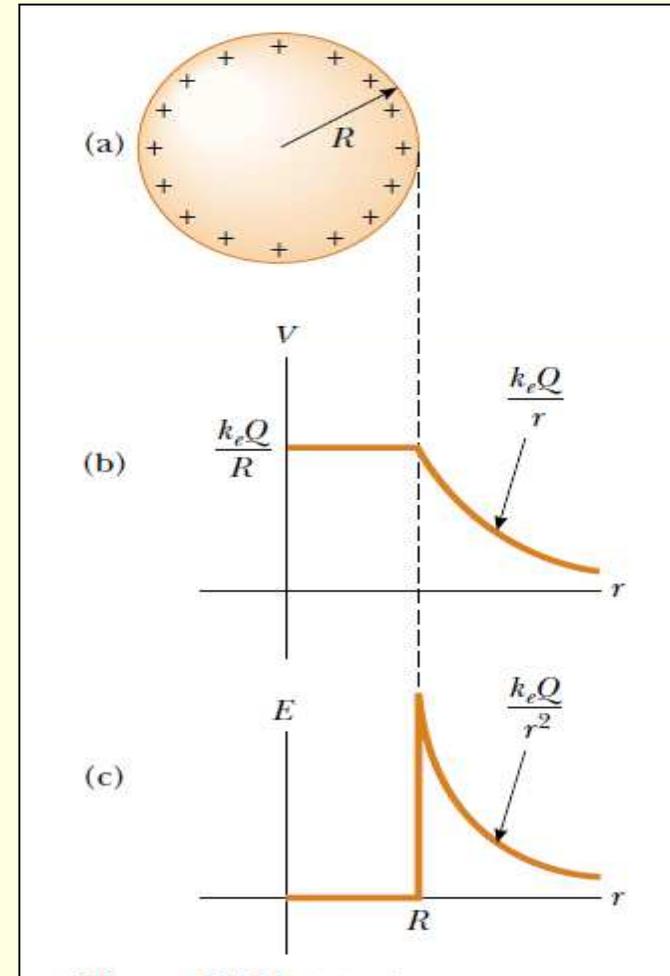
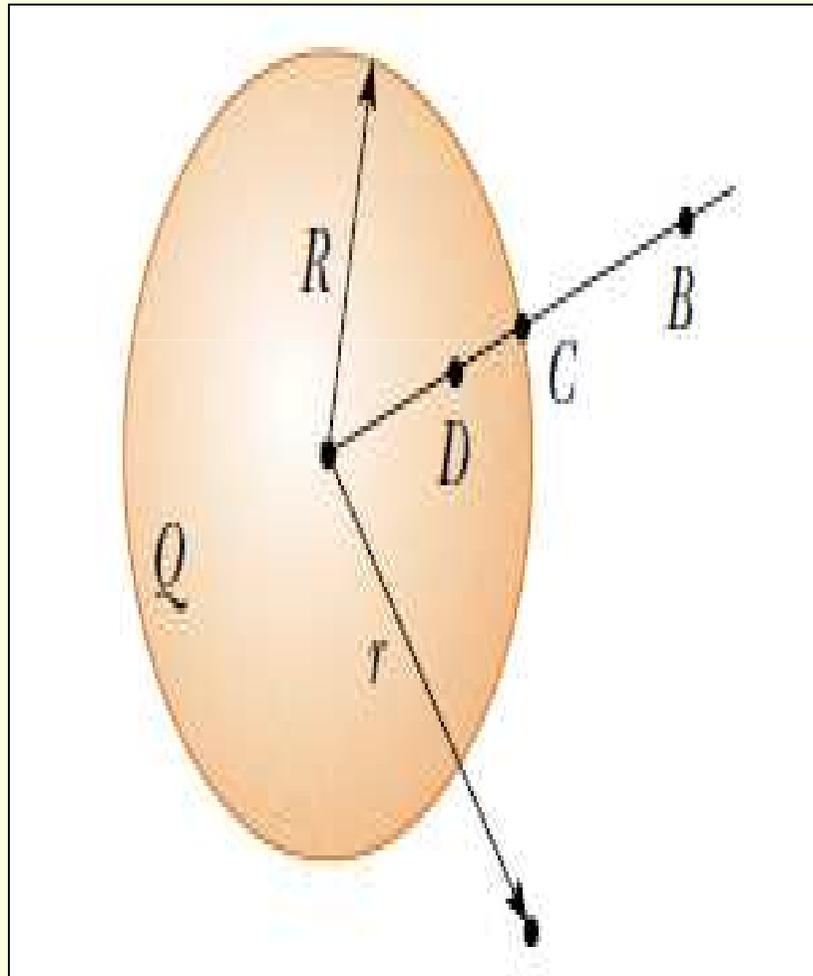
# *Potencial eletrostático de um disco uniformemente carregado*



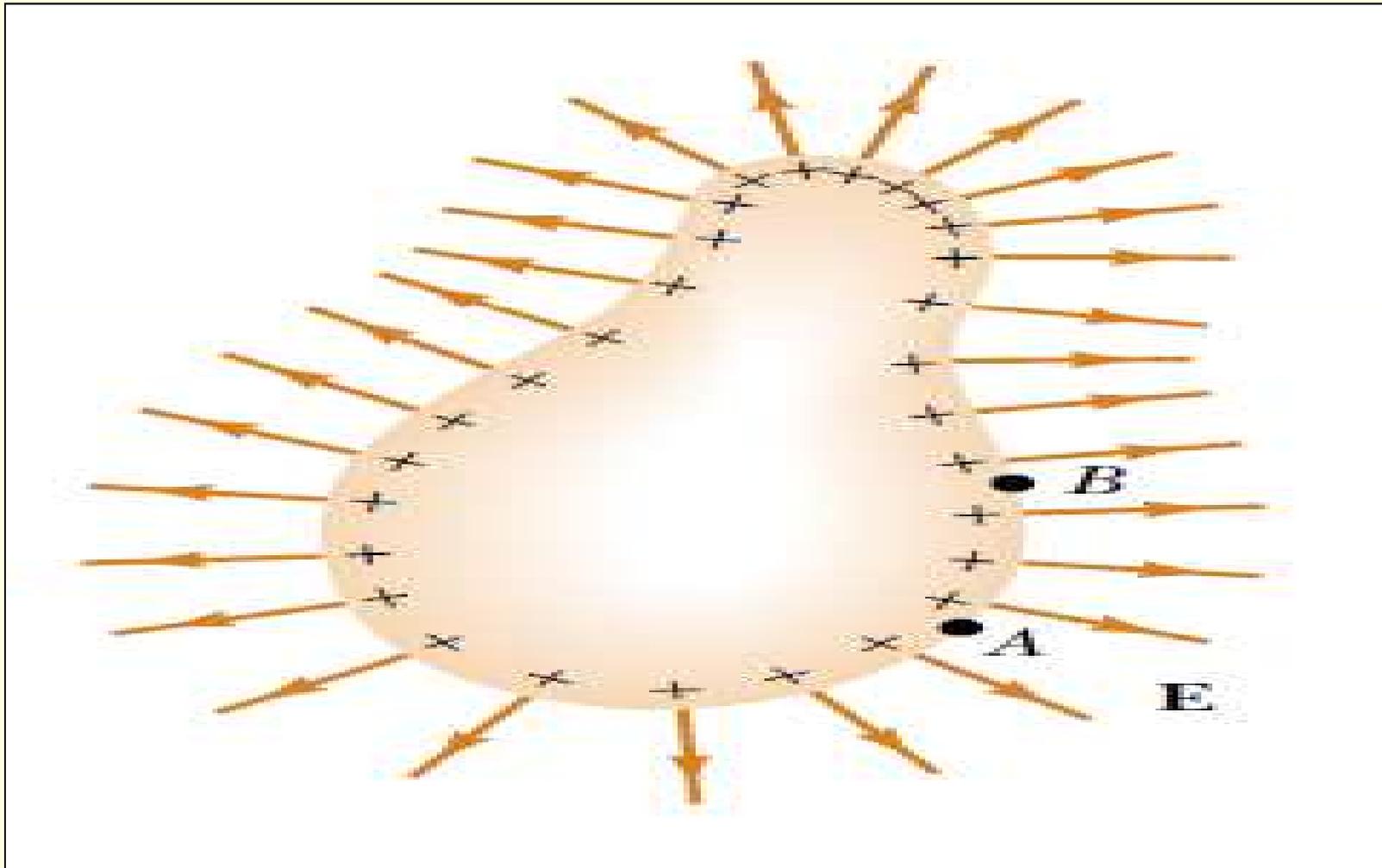
# *Potencial eletrostático de uma barra uniformemente carregada*



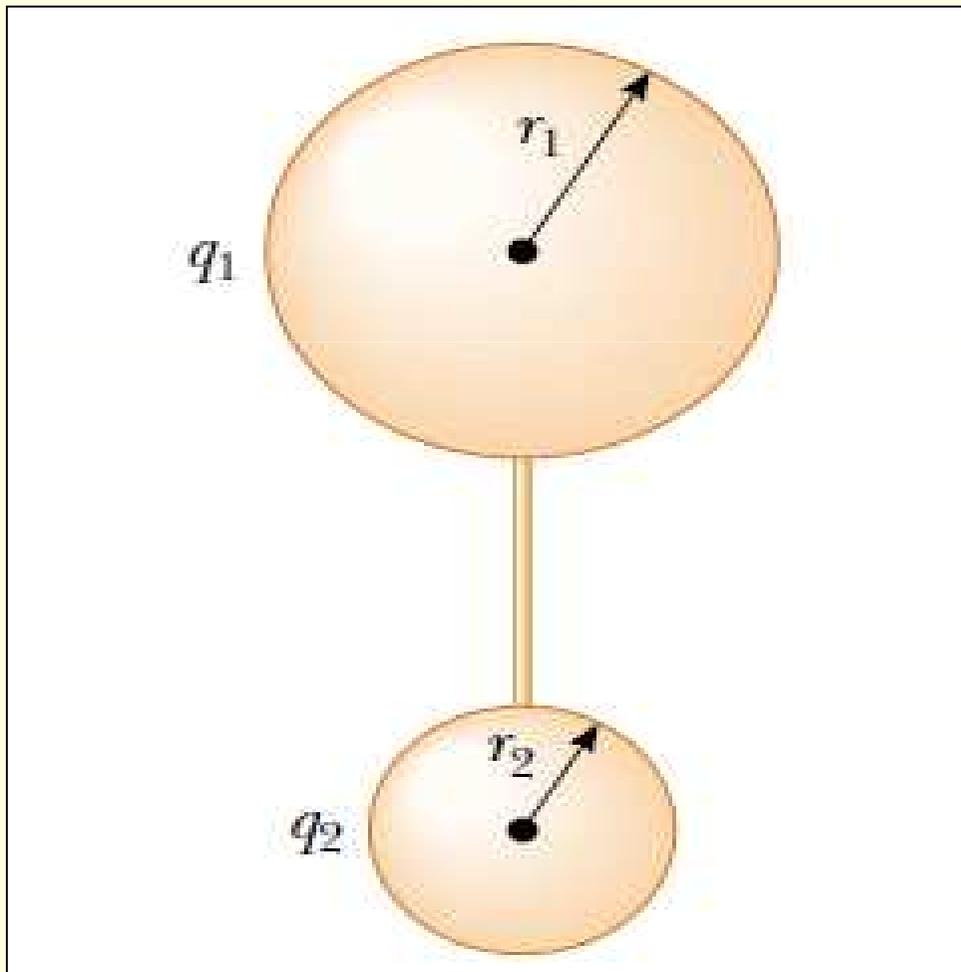
# Potencial eletrostático em uma esfera maciça



# *Campo elétrico em um condutor em equilíbrio eletrostático*



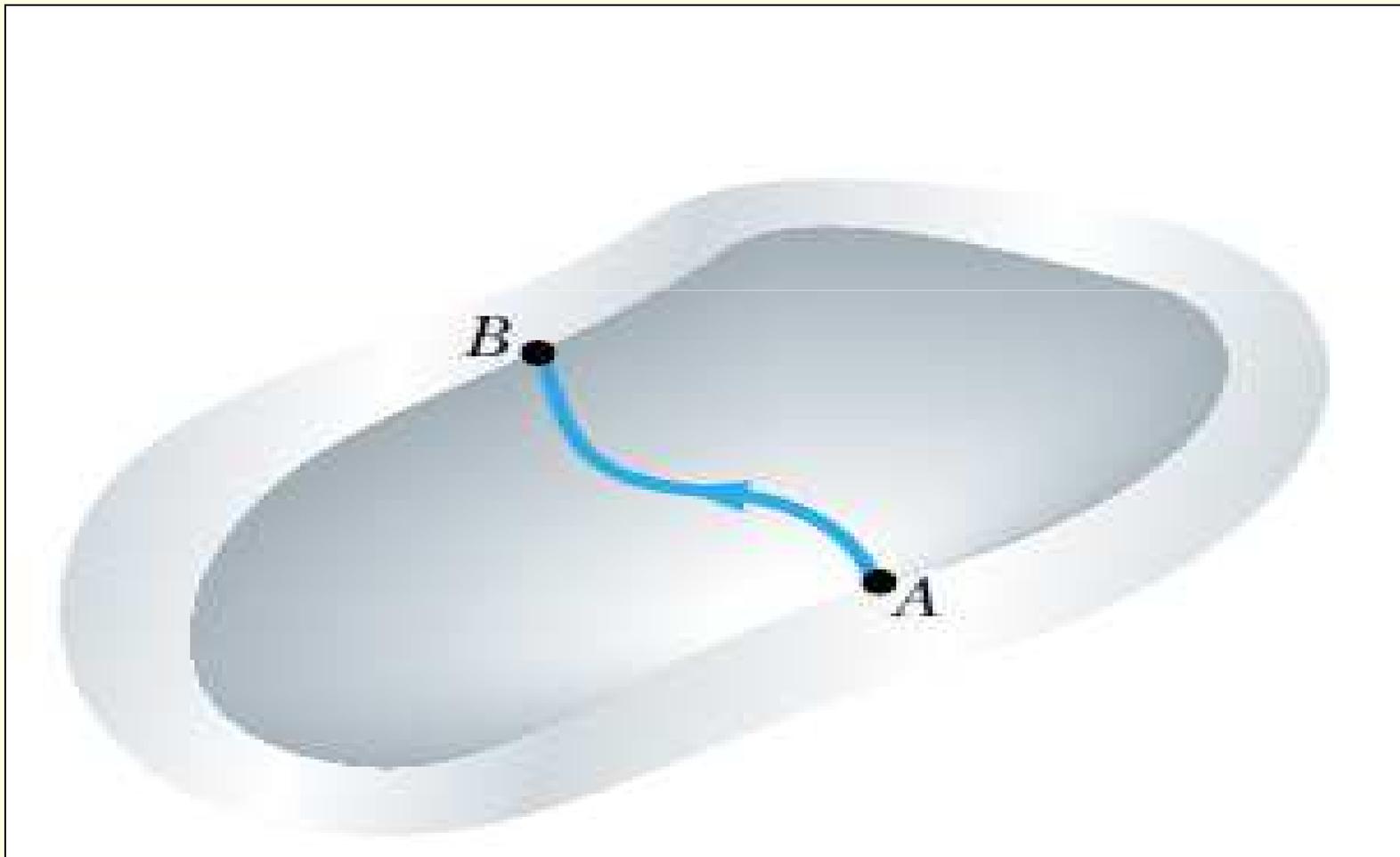
## *Distribuição de cargas em esferas de raios diferentes (efeito das pontas)*



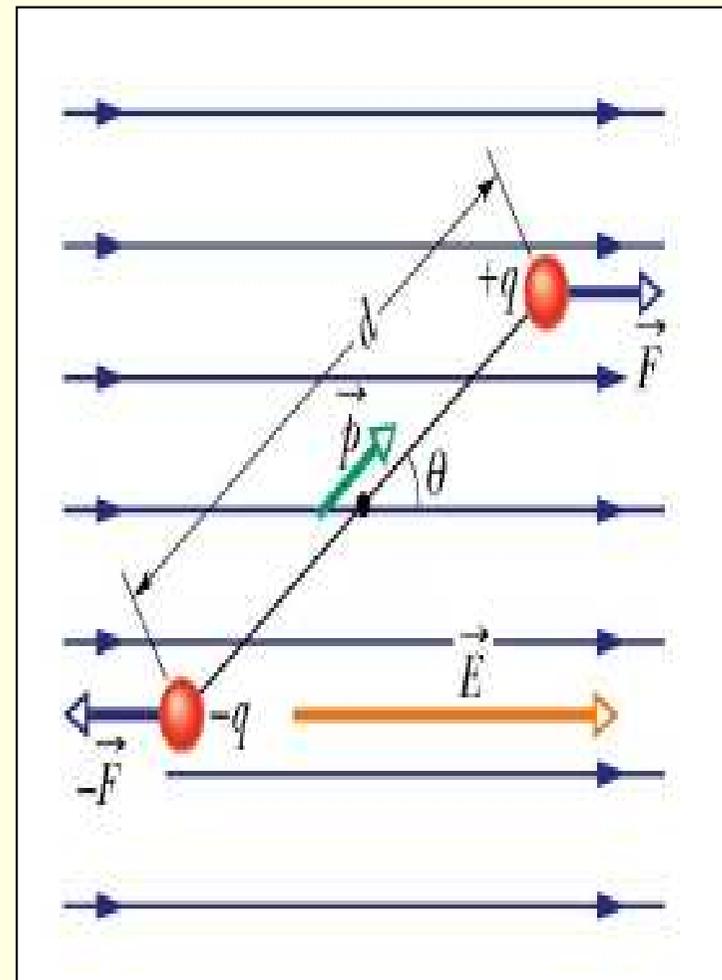
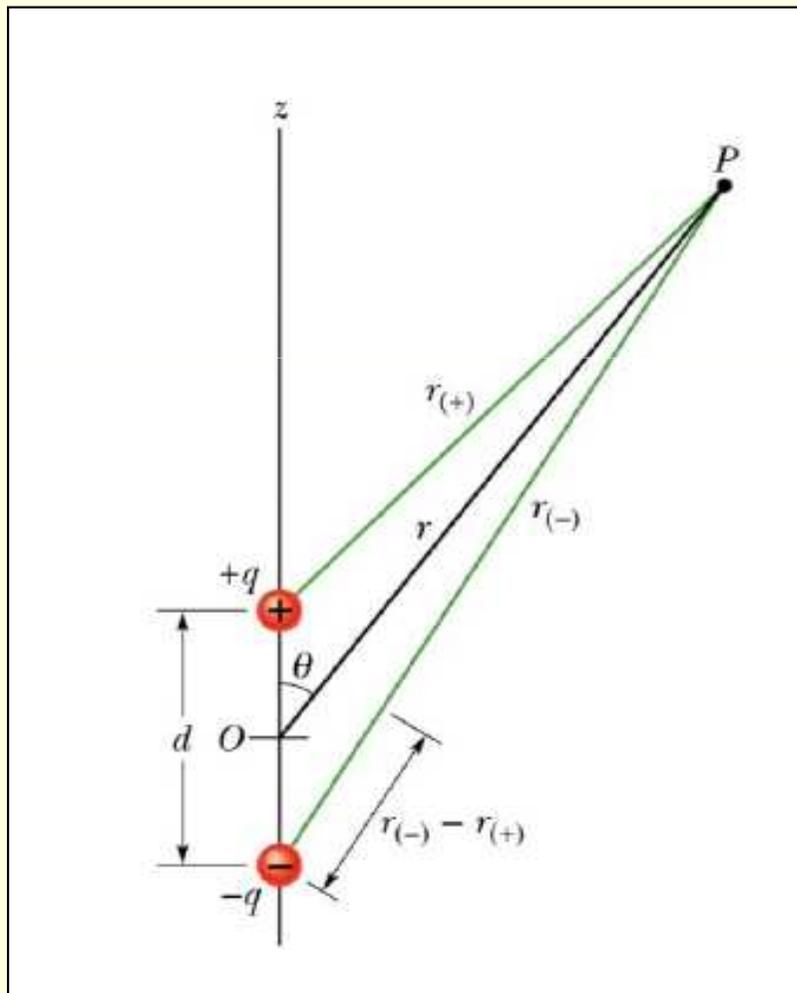
$$\frac{q_1}{q_2} = \frac{r_1}{r_2}$$

$$\frac{E_1}{E_2} = \frac{r_2}{r_1}$$

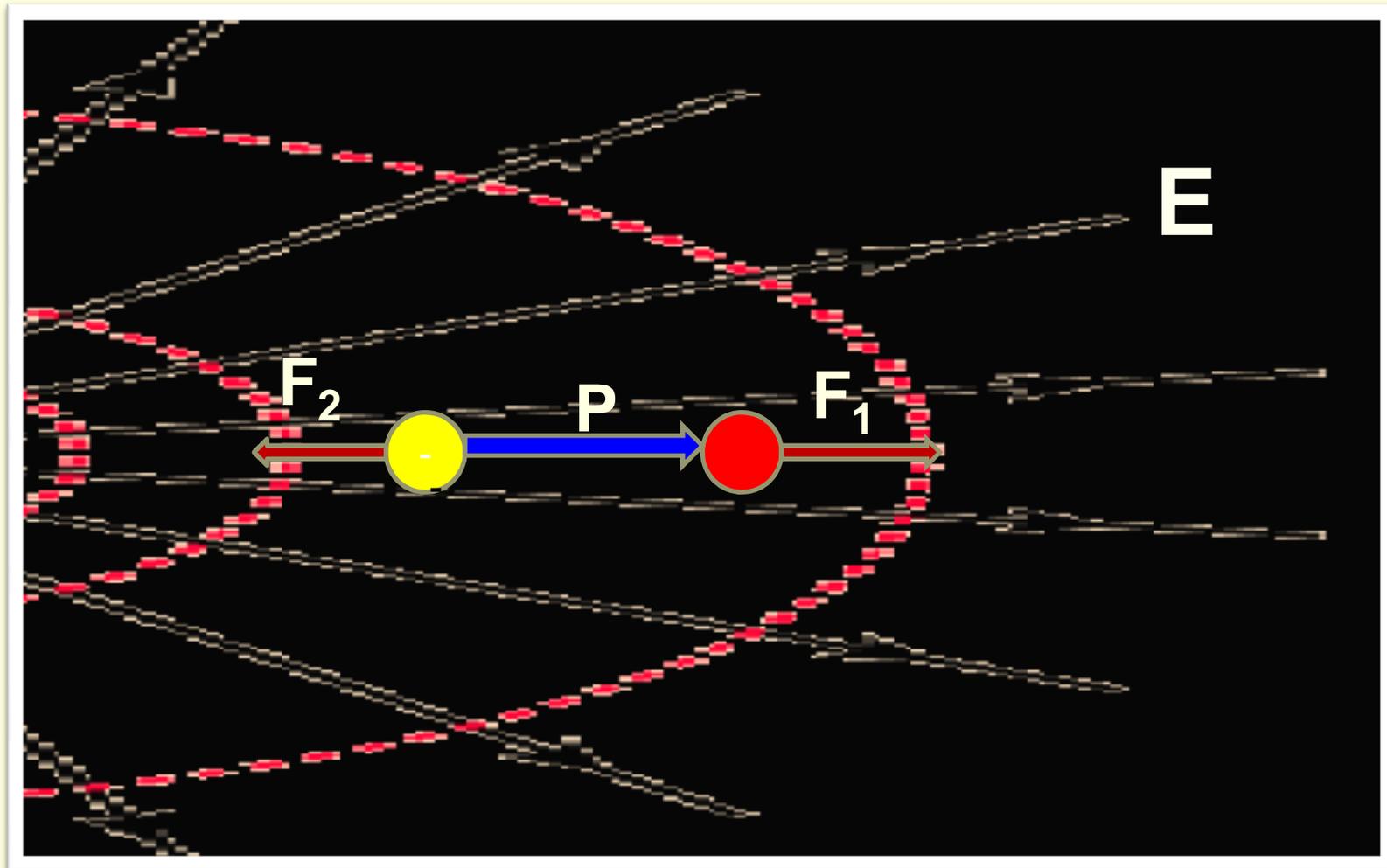
# Cavidade oca



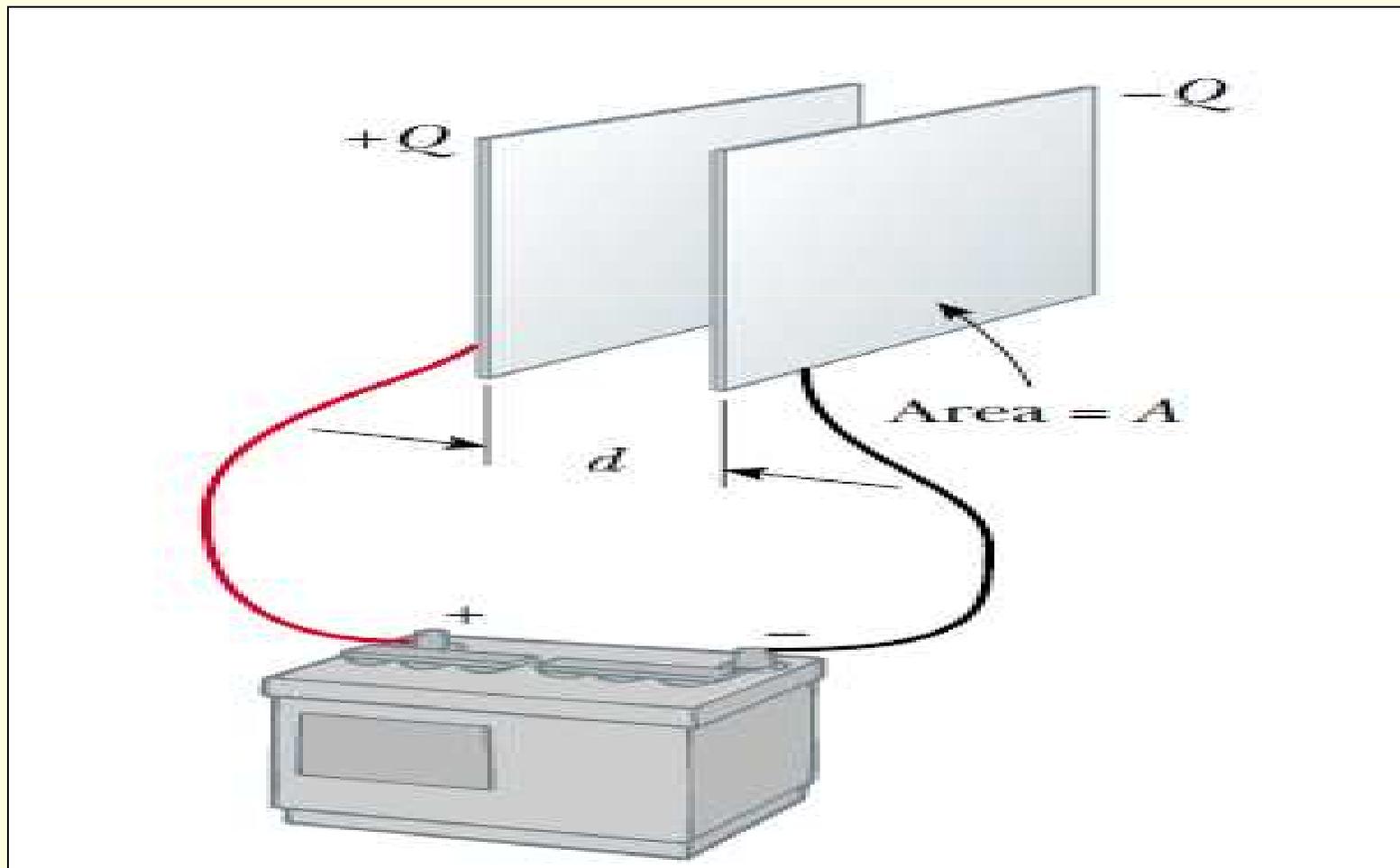
# Potencial, campo elétrico e torque em um dipolo



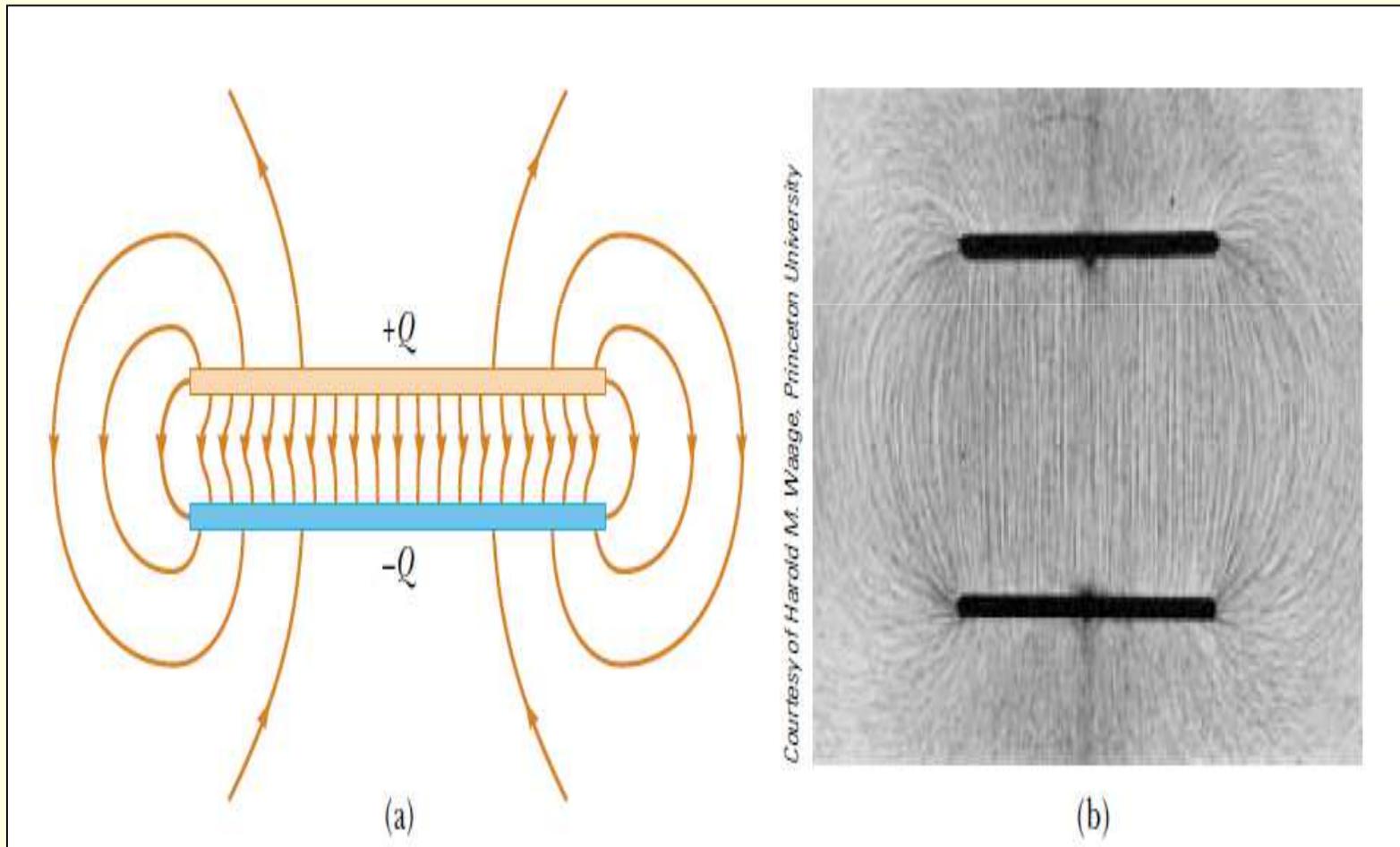
# *Força sobre um dipolo em um campo elétrico não uniforme*



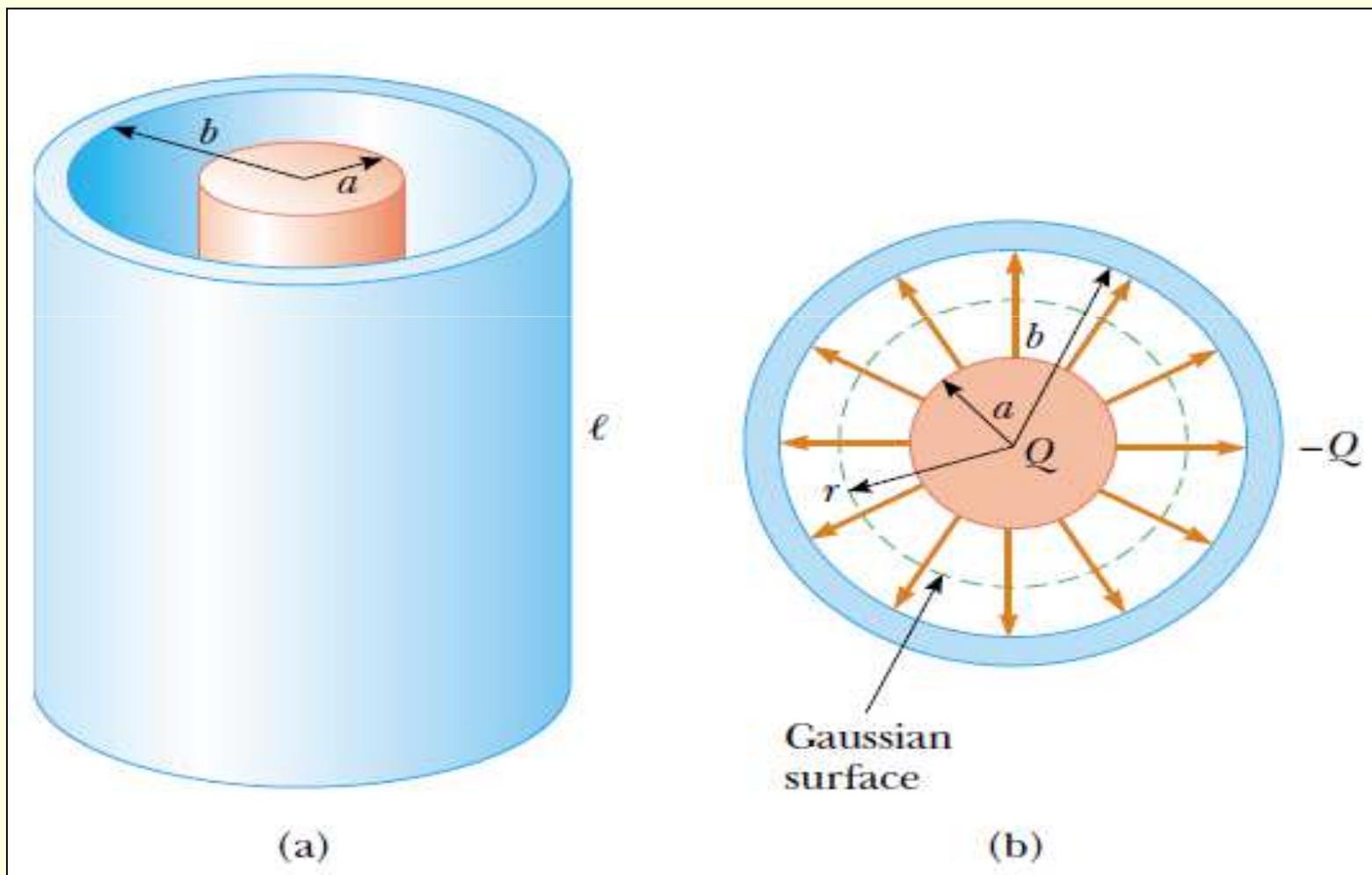
# Capacitores



# *Capacitor de placas paralelas*



# Capacitor cilíndrico



# *Capacitor esférico*

