PAG. 1025 N 20

$$Q = 7,4 \text{ mC} = 7,4 \times 10^{-9} \text{ m} = ?$$

 $d = 0,50 \text{ m}$

$$K_0 \frac{Q^2}{dt^2} = G_7 \frac{m^2}{dt^2}$$

$$m = \sqrt{\frac{k_0 Q^2}{G_7}} = \sqrt{\frac{8,988 \times 10^9 \cdot (7,4)^2 \times 10^{-18}}{6,67 \times 10^{-19}}} \text{ kg} =$$

$$= 86 \text{ kg}$$

$$R = 0,54 m$$

PRIMA

$$Q = \frac{Q_A + Q_B}{2}$$

$$F_2 = \frac{K_0}{R^2} \left(\frac{Q_A + Q_B}{4} \right)^2$$

$$\frac{F_{z} - F_{1}}{F_{1}} \cdot 100 = \left(\frac{F_{2}}{F_{1}} - 1\right) \cdot 100 = \left(\frac{O_{1} + O_{1}}{4 Q_{1} O_{1}} - 1\right) \cdot 100 = 23\%$$

