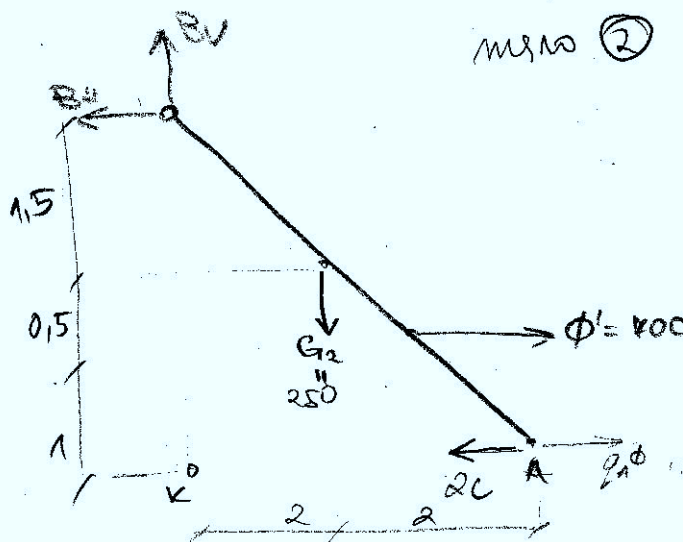
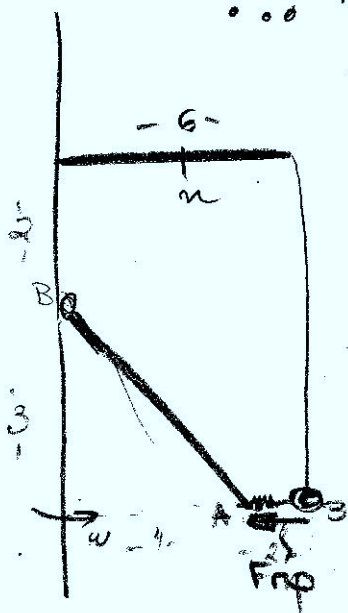


Зоржика Костадинова

!!! А и В - условни означения за краищата на прът ②

зад 2



$$F_{np} = c_0 \cdot x_{np} \quad (x_{np} = 4 - 2 = 2)$$

$$F_{np} = 2c$$

$$a_A = \omega^2 \cdot 4 = 14.4 = 56$$

$$a_B = 0$$

$$\dot{\varphi}_A = \omega'_2 \cdot a_A = 5.56 = 280$$

$$\varphi^1 = \frac{1}{2} \cdot \dot{\varphi}_A \cdot 5 = \frac{1}{2} \cdot 280 \cdot 5 = 700$$

$$(AB = 5)$$

$$a_3 = \omega^2 \cdot 6 = 14.6 = 84$$

(материалната точка)

$$\varphi_3 = m_3 \cdot a_3 = 2.84 = 168$$

$$G_2 = m_2 \cdot 5.10 = 250$$

мемо ②  $\Sigma M_B = 0$

$$-250 \cdot 2 + 700 \cdot 2 - 2c \cdot 3 = 0 \rightarrow c = 150$$

$$F_{np} = 300$$

$$\Sigma M_A = 0 \quad B_x \cdot 3 - 250 \cdot 2 - 700 \cdot 1 = 0 \rightarrow B_x = 400$$

$$\Sigma V = 0 \quad B_v = 250$$