

D-ome

$$\omega_0 = 0$$

$$v = 1,6 \text{ m}; c = 1,2 \text{ m}$$

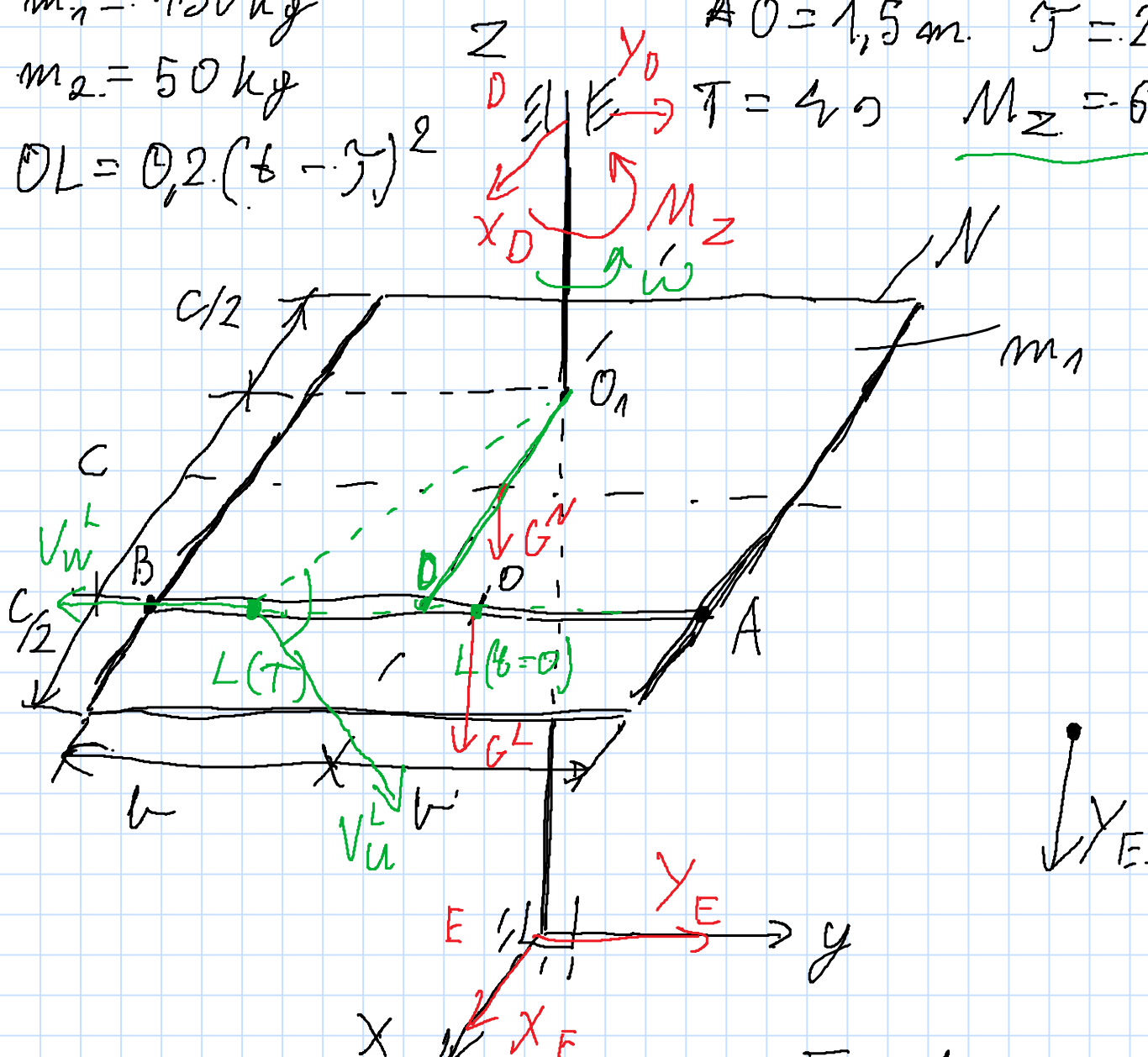
$$m_1 = 150 \text{ kg}$$

$$AO = 1,5 \text{ m}; J = 2,0$$

$$m_2 = 50 \text{ kg}$$

$$T = 40 \quad M_z = -600 \text{ t}$$

$$OL = 0,2 \cdot (t - 3)^2$$



I etape

$$K_z = K_z^{(w)} + K_z^{(L)}$$

$$K_z = J_z^{(w)} \cdot \omega + m_2 V \cdot O_1 O$$

$$V = \omega O_1 O$$

$$K_z = (J_z + m_2 V \cdot O_1 O^2) \omega$$

$$\frac{dK_z}{dt} = \sum M_z$$

$$y_z^N = y_x^N + y_y^N$$

$$y_x^{(A)} = \frac{B H^3}{3}$$

$$y_x^{(m)} = y_x^{(A)} \cdot \gamma$$

$$y_y^{(A)} = \frac{H B^3}{3}$$

$$\gamma = \frac{m}{B \cdot H}$$

$$y_x^{(m)} = m \frac{H^3}{3}$$

$$y_y^{(m)} = m \frac{B^3}{3}$$

$$H = 2c$$

$$B = 2b$$

$$y_z^N = m_1 \frac{(2b)^2 + (2c)^2}{3}$$

$$\omega(\gamma) = \frac{300 \gamma^2}{m_1 \frac{4}{3} (b^2 + c^2) + m_2 0,10^2}$$

$$\omega(2) = \dots \left[\frac{1}{2} \right]$$

II etape

$$M_z = 0$$

$$\frac{dK_z}{dt} = 0 \rightarrow K_z = \text{const}$$

$$K_z(\gamma) = K_z(T)$$

$$\underline{\underline{K_2(\tau) = (\gamma_2 + m_2 (0,0)^2) \omega(\tau)}}$$

$$\underline{K_2(\tau) = \dots}$$

$$K_2(T) = K_2^N(T) + K_2^L(T)$$

$$\parallel \\ \gamma_2^N \cdot \omega(T)$$

$$K_2^L(T) = ?$$

$$\bar{V}^L = \bar{V}_W^L + \bar{V}_u^L$$

$$V_u^L = \omega(T) \cdot 0,1 L$$

$$V_W = \frac{d}{dt} 0L$$

$$V_W = 0,2 \cdot 2 (t - \tau)$$

$$V_W = 0,4 (t - \tau)$$

$$K_2^L(T) = + m_2 \cdot \omega(T) \cdot 0,1 L \cdot 0,1 L \\ - m_2 \cdot V_W \cdot 0,1$$

$$K_2(T) = \underline{\underline{\gamma_2^N \cdot \omega(T) + m_2 \omega(T) \cdot 0,1 L^2 - m_2 V_W \cdot 0,1}}$$

$$(\gamma_2 + m_2 (0,0)^2) \cdot \omega(\tau) = \gamma_2^N \omega(T) + m_2 \omega(T) 0,1 L^2 \\ - m_2 V_W \cdot 0,1$$

$\rightarrow \omega(T)$

$$W(T) = \frac{\left(J_z + m_2 (0,0)^2 \right) \cdot \overset{\text{Zmane}}{\dot{w}(t)} + m_2 V_w D D_1}{J_z^N + m_2 (0, L)^2}$$

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