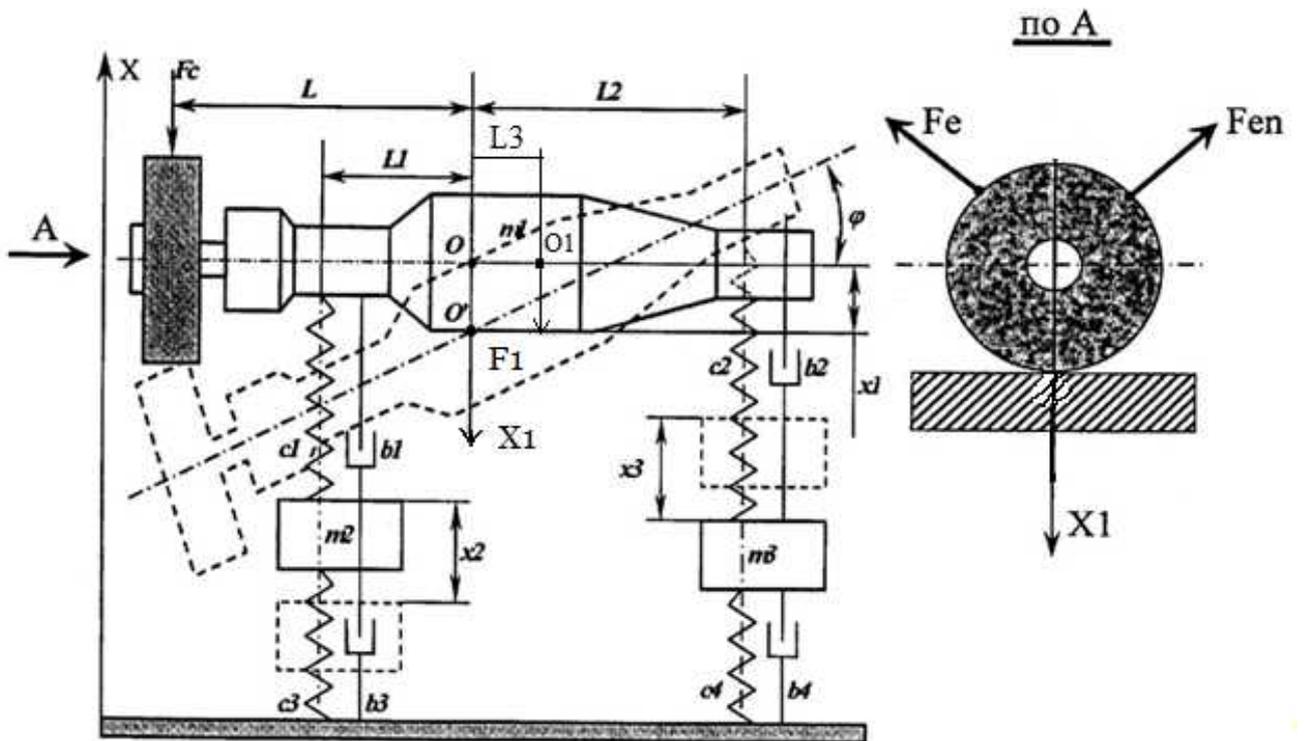


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.1 -

«

.1

m_1

0 -

O_1

0

L_3

F_1

m_2

m_3

$C_1 C_2$

$b_1, b_2.$

b_3, C_3

$b_4, C_4.$

$C_1, C_2, C_3, b_1, b_2, b_3$

[1].

2- 4- [2]

«VisSim» [3]

$$\left. \begin{aligned} \ddot{\varphi} &= \frac{1}{I} (F \cdot l - F_1 \cdot l_3 - b_1 l_1 \dot{q}_1 + b_2 l_2 \dot{q}_2 - C_1 l_1 q_1 + C_2 l_2 q_2); \\ \ddot{X}_1 &= \frac{1}{m_1} (F + F_1 - b_1 \dot{q}_1 + b_2 \dot{q}_2 - C_1 q_1 - C_2 q_2); \\ \ddot{X}_2 &= \frac{1}{m_2} (b_1 \dot{q}_1 - b_3 \dot{X}_2 - C_1 q_1 - C_3 X_2); \\ \ddot{X}_3 &= \frac{1}{m_3} (-b_2 \dot{q}_2 - b_4 \dot{X}_3 - C_2 q_2 - C_4 X_3). \end{aligned} \right\} (1)$$

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1,5 ÷ 4

1. // 2. 3. «VisSim+MathCad+MATLAB.» 2004 .