



$$m_1 \dot{v}_1 = -f_1 + f_2$$

$$f_1 = c_1(x_1 - x_0) + d_1(v_1 - v_0)$$

$$m_2 \dot{v}_2 = -f_2 + f_3$$

$$f_2 = c_2(x_2 - x_1) + d_2(v_2 - v_1)$$

$$f_3 = c_3(-x_2) + d_3(-v_2)$$