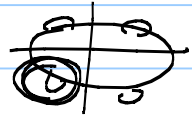


FBD

Note Title

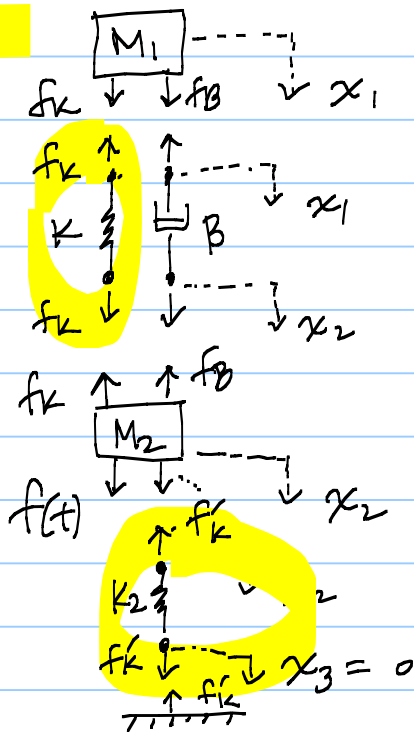
9/17/2008



$$f_k(t) = k_1(x_2 - x_1)$$

$$f_b(t) = B(\dot{x}_2 - \dot{x}_1)$$

$$f'_k(t) = k_2(0 - x_2)$$



$$\sum F_i = ma$$

① mass 1

$$M_1 \ddot{x}_1 = f_k + f_B = k_1(x_2 - x_1) + B(\dot{x}_2 - \dot{x}_1)$$

② mass 2

$$M_2 \ddot{x}_2 = f(t) + f'_k - f_k - f_B$$

$$= f(t) - k_2 x_2 - k_1(x_2 - x_1) - B(\dot{x}_2 - \dot{x}_1)$$

