

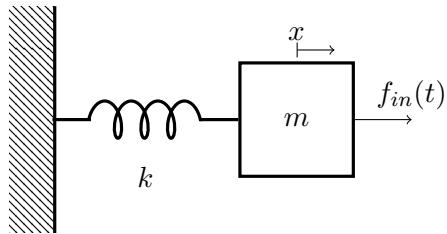
EENG307: Intro to Feedback Control

Fall 2020

Homework Assignment #1

Quiz #2

Quiz Question Monday: Find the differential equation that describes the following system. Put all terms involving x on the left side of the equal sign, and all terms involving f_{in} on the right.



- (a) $-m\ddot{x} + kx = f_{in}$
- (b) $-m\ddot{x} - kx = f_{in}$
- (c) $m\ddot{x} - kx = f_{in}$
- (d) $m\ddot{x} = f_{in}$
- (e) $m\ddot{x} + kx = f_{in}$