

Mass-Spring-Damper System Cont.

- 1- Sketch the simulation diagram for solving the ODE
- 2- After each step, elements are added to the Simulink model
- 3- First, solve for the term with highest derivative

$$m\ddot{x} = f(t) - c\dot{x} - kx$$

- 4- Make the left-hand side of this equation the output of a summing block

▶ C:/Users/User/Desktop/simulink/teaching/Introduction/simulink/example1.mdl