

1 Running Simulations from Command Line

1.1 Multiple Executions

Take lecture1_bounce Model and invoke it from the command line, modifying the input parameters and the time information. Get the output of the result (using To Workspace or Signal Logging) and plot the different trajectories depending on the parameters

2 Stateflow

2.1 Stop-watch

Create a Stop-Watch in four phases:

- two state stop watch, running/stopped with counter in minutes and seconds
- lap switch for obtaining the lap times while the counter is running
- store/recall switch for storing and getting current value
- use a 10Hz loop

2.2 Soda Machine

Build a FSM and a corresponding Simulink Stateflow Chart

- Coins 50c 20c 10c
- One cost
- Two Types of Soda: Coke and Sprite
- Outputs: drop Coke, drop Sprite