

File View Edit Graph Debug Help



Utilities  
 Directors  
 Actors  
 MoreLibraries  
 UserLibrary

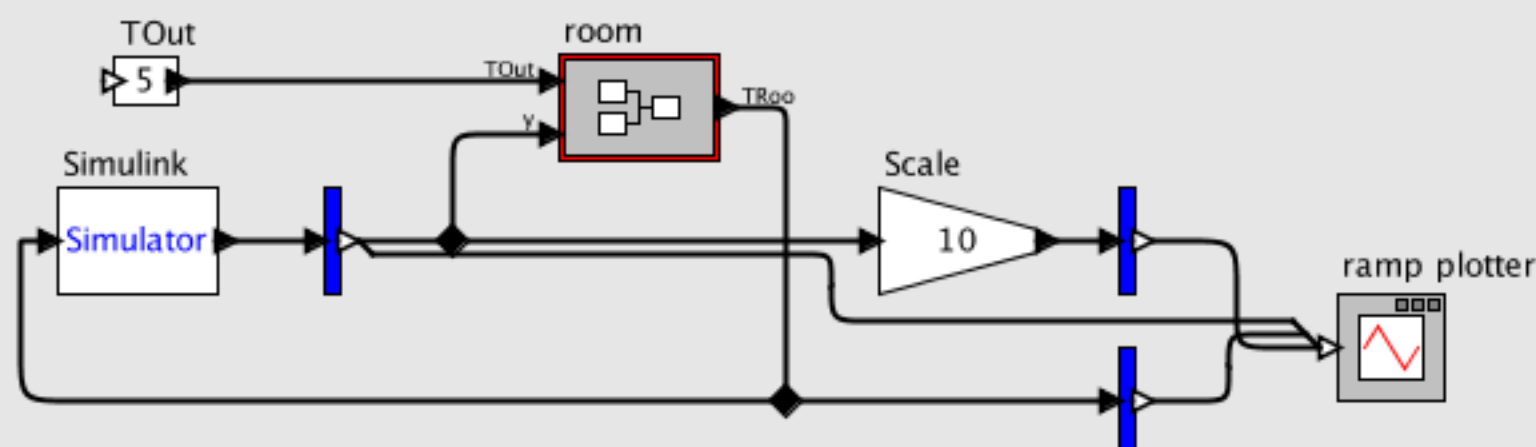
SDF Director



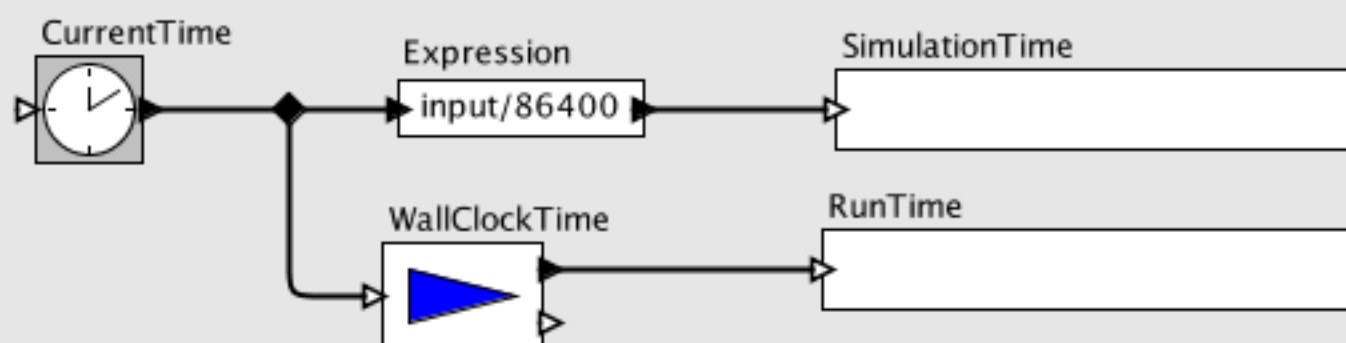
- timeStep: 120
- startTime: 0
- finalTime: 3\*24\*3600

This model illustrates the implementation of a simulation program written in Ptolemy and a controller written in Simulink. The simulation program computes a room's temperature change.

Input to the room model is the control signal  $u_k$ . Output of the room model is the new room temperature  $T_{k+1}$ . The control action is computed in Simulink. Output of Simulink is the control action and the room temperature setpoint. The room temperature setpoint is used for visualization only.



Output simulation time and wall clock time.  
This is for illustration purposes only and not needed by the above model.

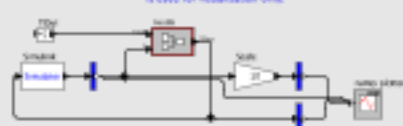


Author: Michael Wetter

SDF Director  
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