

Find:

Library Tree

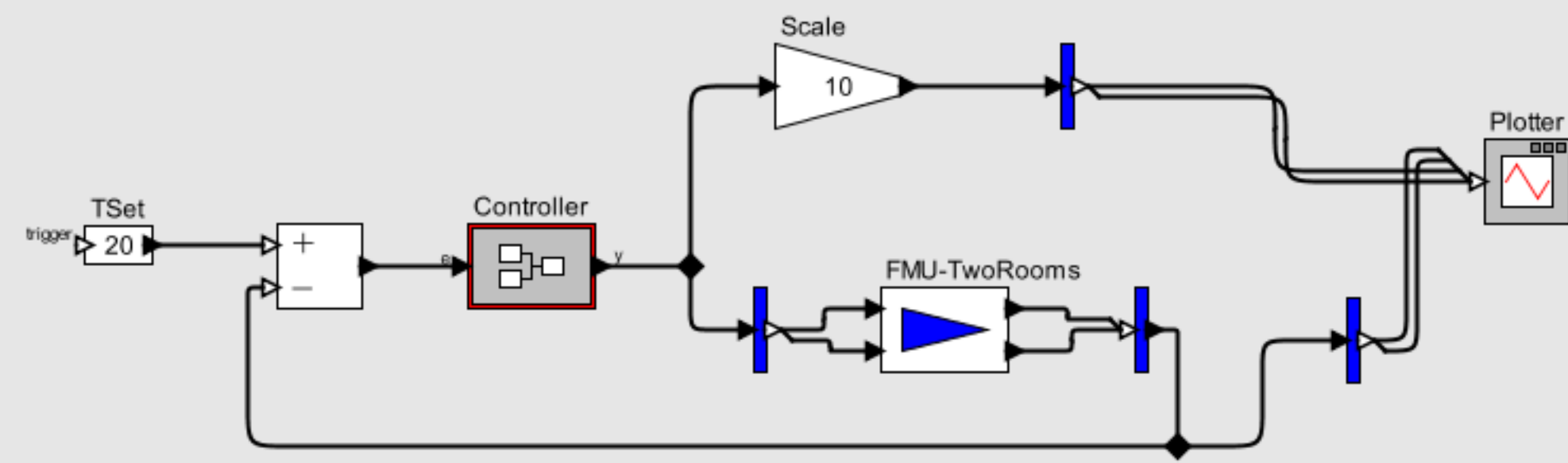
- Utilities
- Directors
- Actors
- MyActors
- BACnet
- ADInterfaceMCC
- UserLibrary

SDF Director

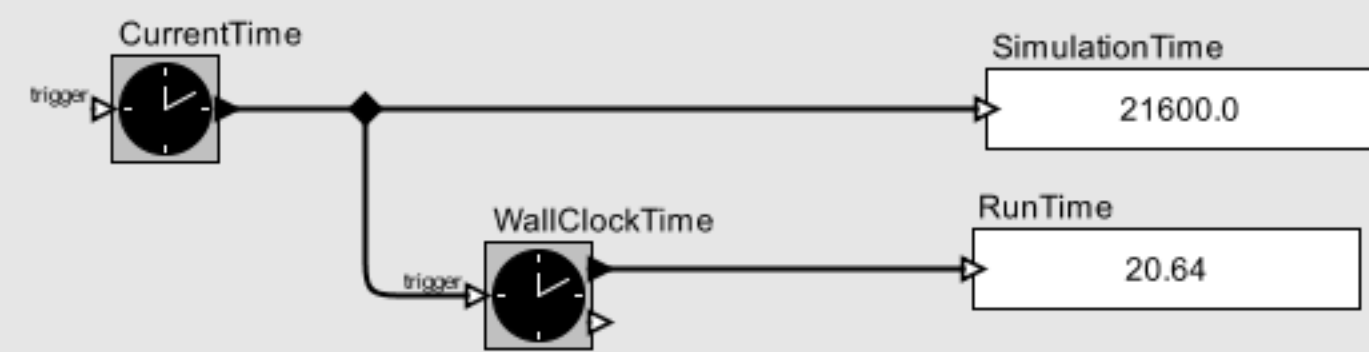


- timeStep: 60
- beginTime: 0
- endTime: 6*3600

This model illustrates the implementation of a simulation program developed in the Dymola modeling environment for Modelica. The Modelica model has been exported as a Functional Mock-up Unit (FMU) for co-simulation. The FMU computes the temperature change in two rooms with different capacity. Input to the FMU are the control signal u_k . Output of the FMU are the new room temperatures T_{k+1} . The control action is computed in Ptolemy II.



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



Author: Thierry S. Noudui

NOTES:

Modelica is a multi-domain modeling language for physical systems. The Modelica modeling environment for Ptolemy II is a co-simulation environment. The FMU computes the temperature change in two rooms with different capacity. Input to the FMU are the control signal u_k . Output of the FMU are the new room temperatures T_{k+1} . The control action is computed in Ptolemy II.

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