

NCSLab

应用

应用

Remote Laboratory

Fan Speed Control

DC Motor Angle

DC Motor Speed

Single Tank Level

Air Levitation Plant

thermalControl

WHULab

WHUtypicalLinks

WHUsecondOrder

WHUcontrolSystemStability

WHUfrequencyDomain

WHUseriesCompensation

Complicated System

processControl

Task: 基本任务

Library browser

search

SIGNAL ROUTING

S-FUNCTION

ELECTRICAL ELEMENTS

Resistor

Variable Resistor

Inductor

Capacitor

Variable Capacitor

Diode

Op-Amp

Electrical Reference

Solver Configuration

PS-Simulink Converter

Simulink-PS Converter

AC Voltage Source

DC Voltage Source

Controlled Voltage Source

Voltage Sensor

model name: first order system

save model

drag paper

200000

R1

S->PS

Simulink-PS Converter3

200000

R0

S->PS

Simulink-PS Converter2

1

Input

S->PS

Simulink-PS Converter1

Controlled Voltage Source1

f(x)=0

Electrical Solver Reference Configuration2

0.000001

C

S->PS

Simulink-PS Converter4

Variable Resistor1

Variable Capacitor2

Op-Amp1

Variable Resistor0

R2

Op-Amp2

V

Voltage Sensor1

PS->S

PS-Simulink Converter1

Output

Scope1

Electrical Reference4

Electrical Reference3

Electrical Reference2

Set Parameters

Module Type: ResistorBlock

Description: The voltage-current (V-I) relationship for a linear resistor is $V=I \cdot R$, where R is the constant resistance in ohms.

Name: R3

Resistance (Ohm): 200000

Cancel OK

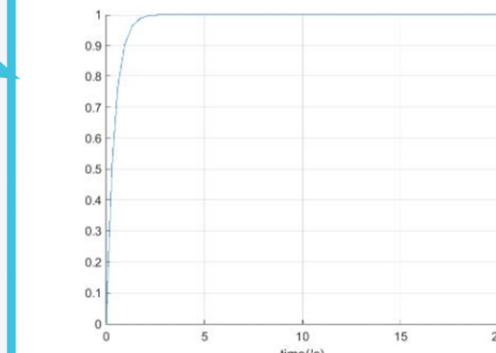
start simulation

start compilation

return

Simulation Result

Scope1



Cancel OK

Parameter setting

Simulation result