

NCSLab

Remote Laboratory

Fan Speed Control

DC Motor Angle

DC Motor Speed

Single Tank Level

Air Levitation Plant

thermalControl

WHULab

Complicated System

processControl

Task: 基本任务

English

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DEVICE MODEL

Fans

CONTINUOUS

$\frac{1}{s}$

PID(s)

$\frac{\Delta u}{\Delta t}$

Integrator PID Controller Derivative

$\dot{x} = Ax + Bu$
 $y = Cx + Du$

G(s)

State-Space Transfer Fcn Transport Delay

PID(s)

PID Controller (s)

model name: IMC

Save as

configuration parameters

start simulation

start compilation

return

drag paper

2000

Set_ponit

Sum2

1

lambda

Add1

Product1

Integrator1

Filter

Derivative2

Derivative3

Constant4

Constant5

Constant3

Derivative1

Product2

Product3

Product4

Add2

Fans1

Scope1

Add3

G(s)

Direct model

Inverse model

Identified model