

Workspace

Filter ☐

Name	Class	Dimension	Value	Attribute
G	tf	1x1	...	
G1	tf	1x1	...	
G1_I	tf	1x1	...	
G2	tf	1x1	...	
Gc	tf	1x1	...	
Kd	double	1x1	14	
Ki	double	1x1	6.4000	
Kp	double	1x1	20	
Ku	double	1x1	30.200	
Pu	double	1x1	1.5708	
Ts	double	1x1	4	
Y	double	101x1	[0; 3.5663e-06; 4...	
Y2	double	101x1	[0; 9.3431e-04; 6...	
s	tf	1x1	...	
t	double	1x101	0:0.1:10	
t1	double	101x1	[0; 0.1000; 0.200...	
t2	double	101x1	[0; 0.1000; 0.200...	
u	double	1x101	0:0.1:10	

Command Window

Controller gains from Table of Ziegler-Nicholas PI:

Kp = 18.120
Ki = 12.920
Kd = 6.3500

By using Ziegler-Nicholas formulas value obtained are:

Kp = 20
Ki = 6.4000
Kd = 14

Elapsed time is 5.44936 seconds.





