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	
Кр	double	1x1	20	
Ku	double	1x1	30.200	
Pu	double	1x1	1.5708	
Ts	double	1x1	4	
Υ	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

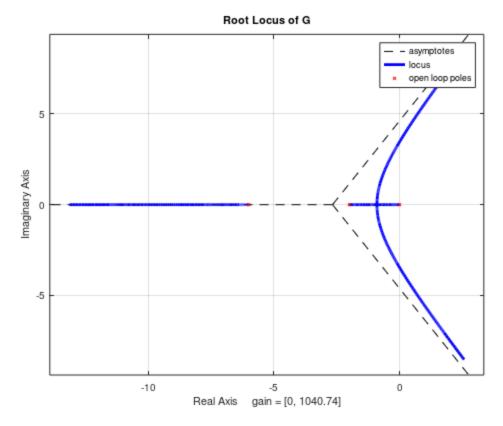
By using Ziegler-Nicholas formulas value obtained are:

Kp = 20

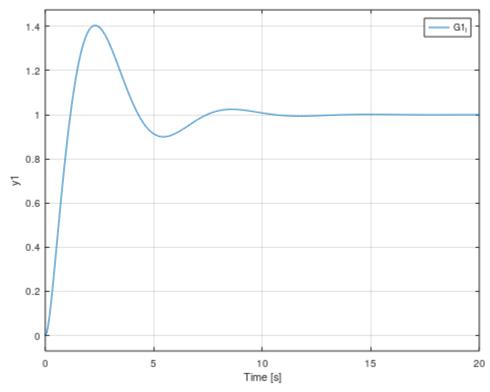
Ki = 6.4000

Kd = 14

Elapsed time is 5.44936 seconds.







## Respond to unit step change in Disturbance with PID controller

