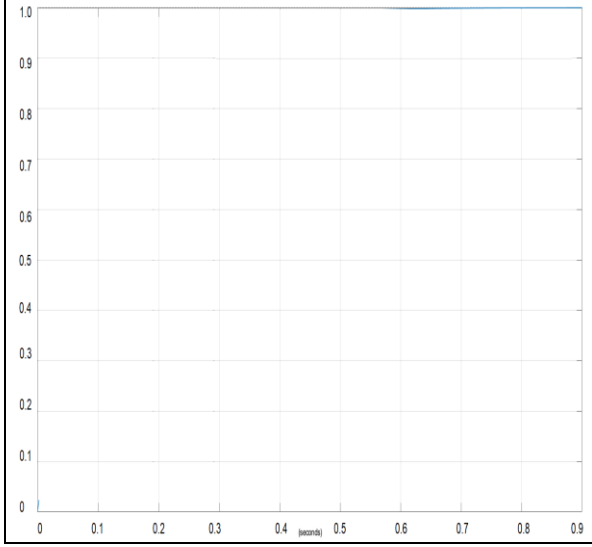
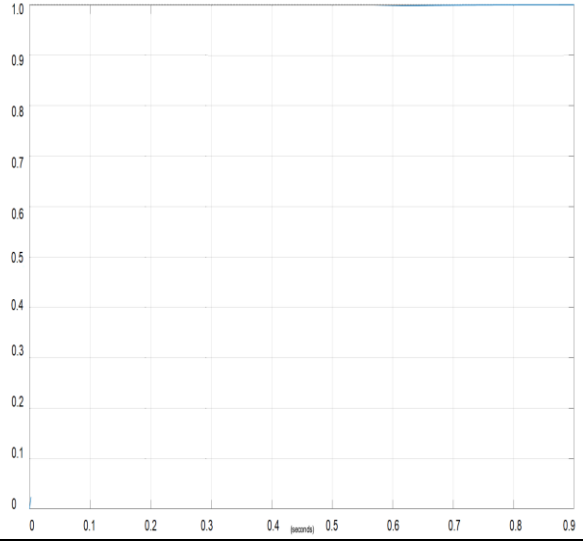
Transfer Function	Roots	Canonical Form	Parameters	Performance
G0 = 10/(s + 10)			σ = K=	t_r = t_s =
G1 = 100/(s + 10)^2			ω_n = ζ = K=	t_r = t_s = %OS =
G2 = 50/(s^2 + s + 100)			ω_n = ζ = K=	t_r = t_s = %OS =
G3 = 2/(s^2 + 4)			ω_n = ζ = K=	t_r = t_s = %OS =
G4 = 1/(s^2 - s + 100)			ω_n = ζ = K=	t_r = t_s = %OS =
G5 = 10/(s - 10)			σ = K=	t_r = t_s =
G6 = 32/(s^2 + 4*s + 16)			ω_n = ζ = K=	t_r = t_s = %OS =

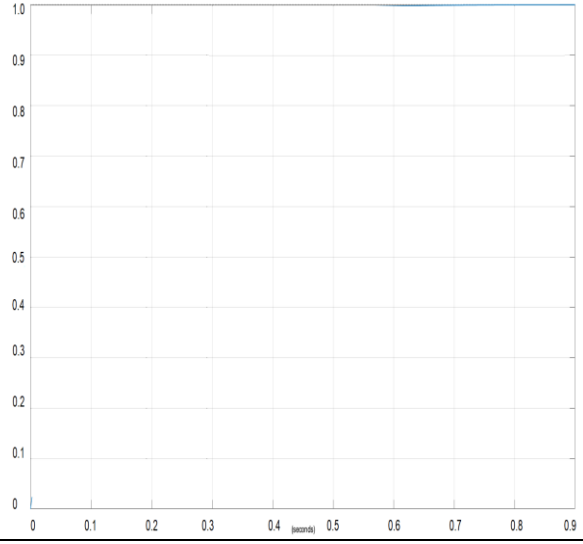
G0



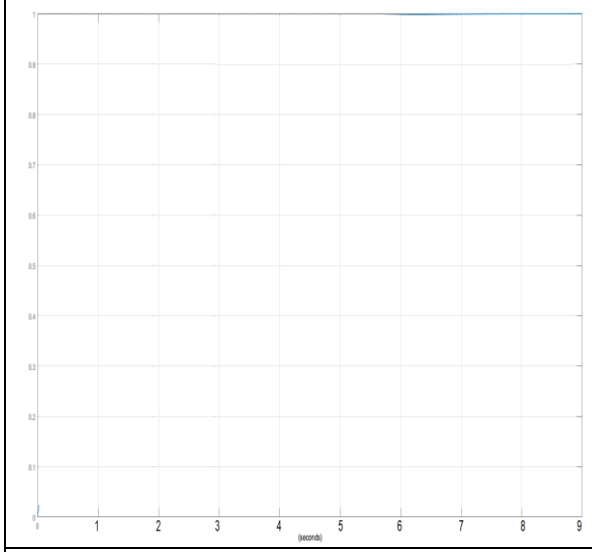
G1



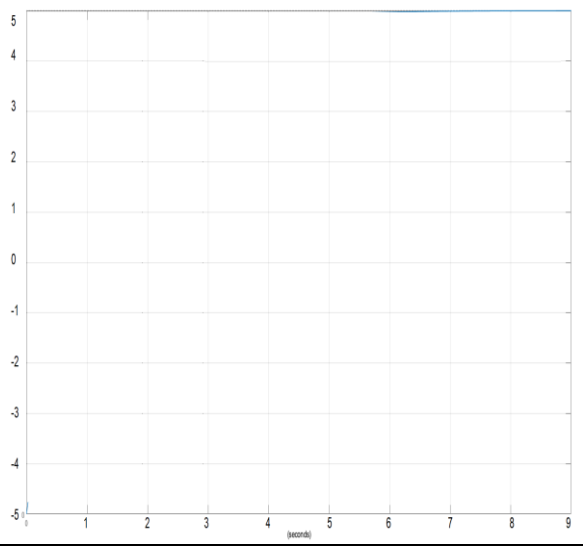
G2



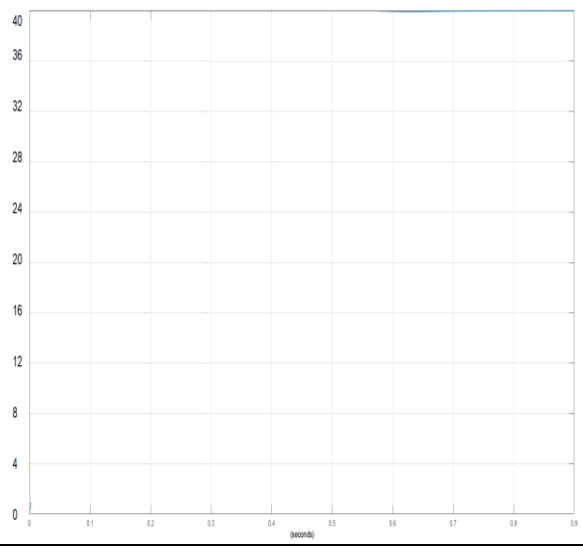
G3


(seconds)

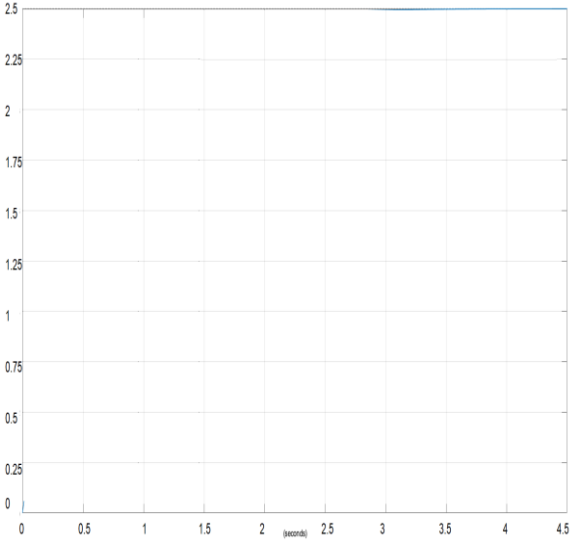
G4


(seconds)

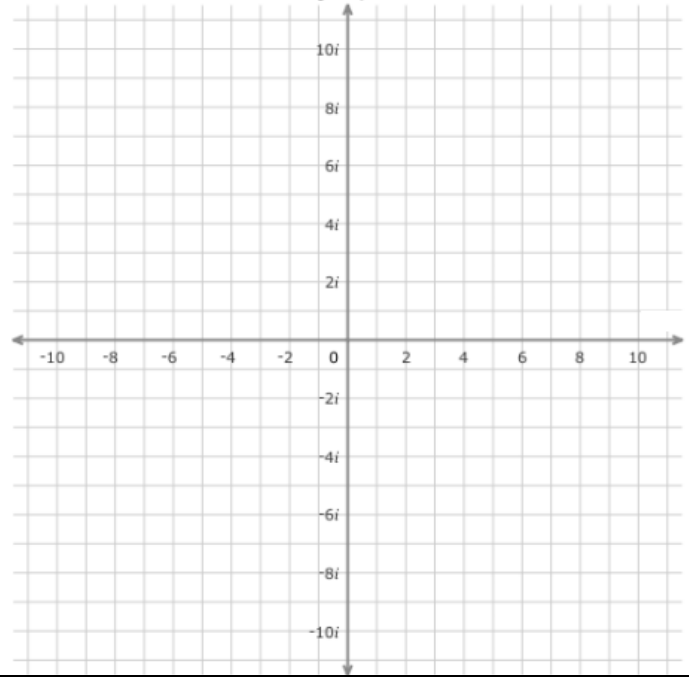
G5


(seconds)

G6


(seconds)


%OS
90
80
70
60
50
40
30
20
10
.1 .2 .3 .4 .5 .6 .7 .8 .9
ζ


10i
8i
6i
4i
2i
-10 -8 -6 -4 -2 0 2 4 6 8 10
-2i
-4i
-6i
-8i
-10i