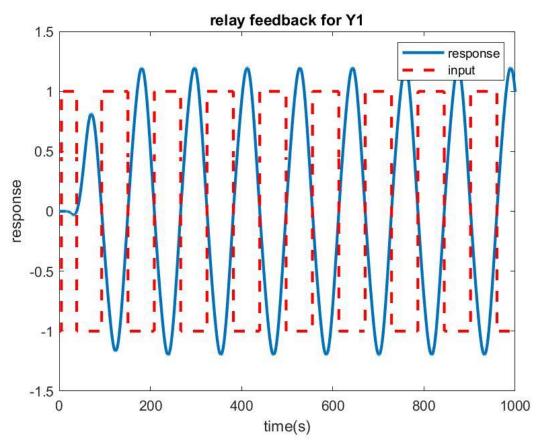
Lab Report 6(170747)

Part A:

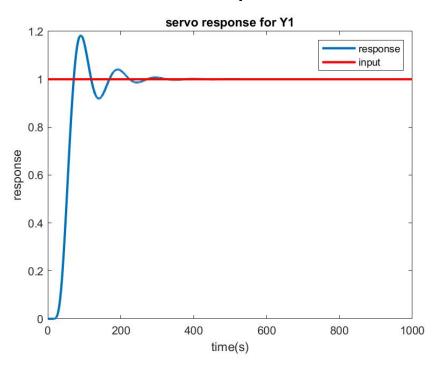
Relay Feedback Test:

 $Ku = 4 h/a\pi = 1.0628$

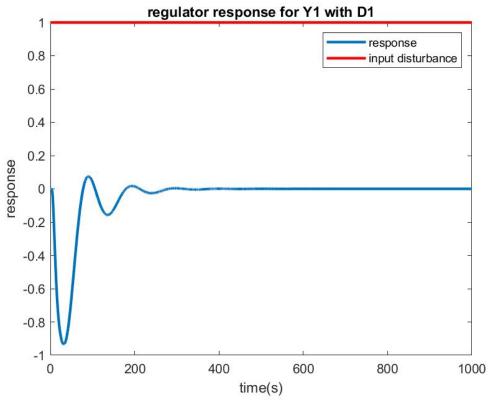
Pu = 115.7 s

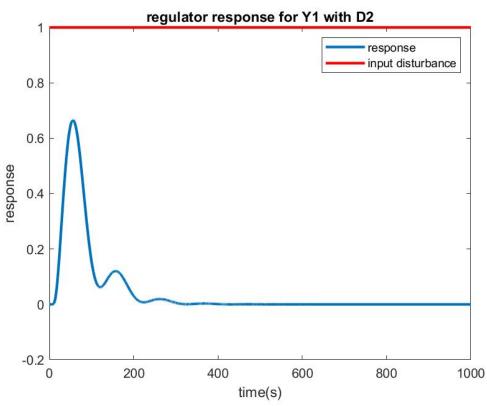


Servo Response



Regulator Responses



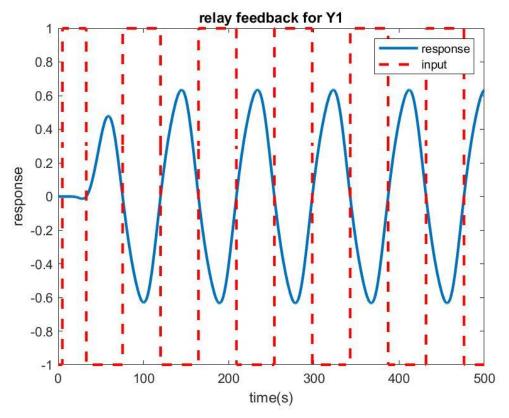


Part: B

Relay feedback for Y1

 $Ku = 4 h/a\pi = 1.6804$

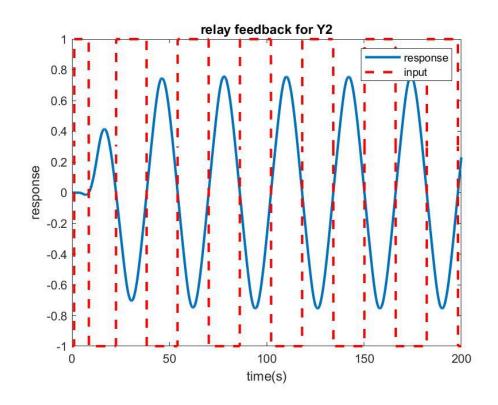
Pu =31.9 s



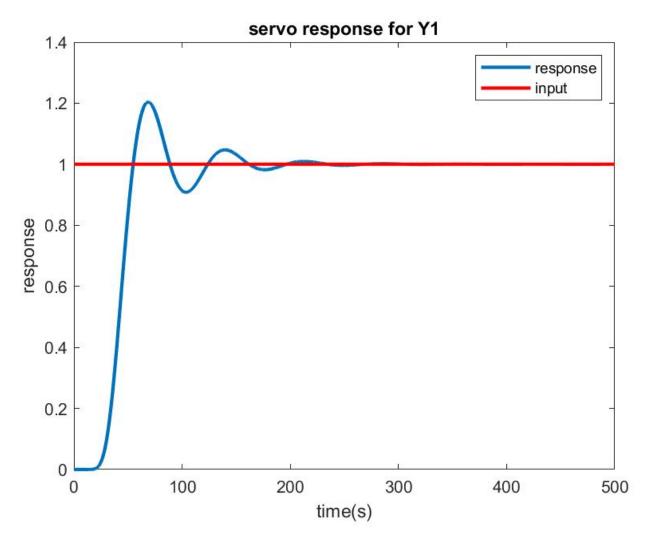
Relay feedback for Y2

 $Ku = 4 h/a\pi = 2.0073$

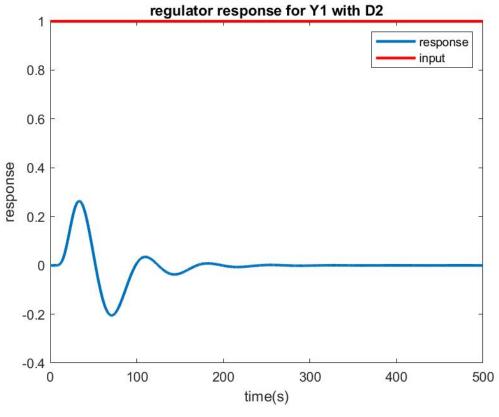
Pu =89.1 s

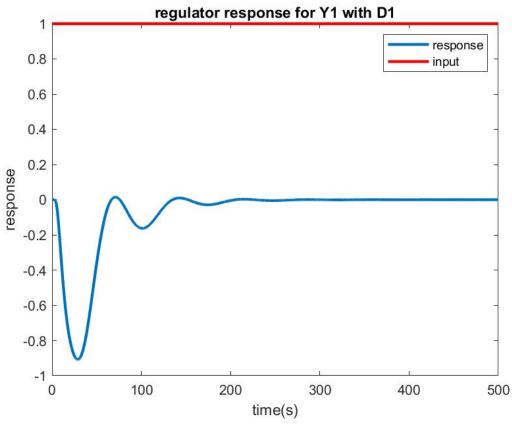


Servo Response



Regulator Responses



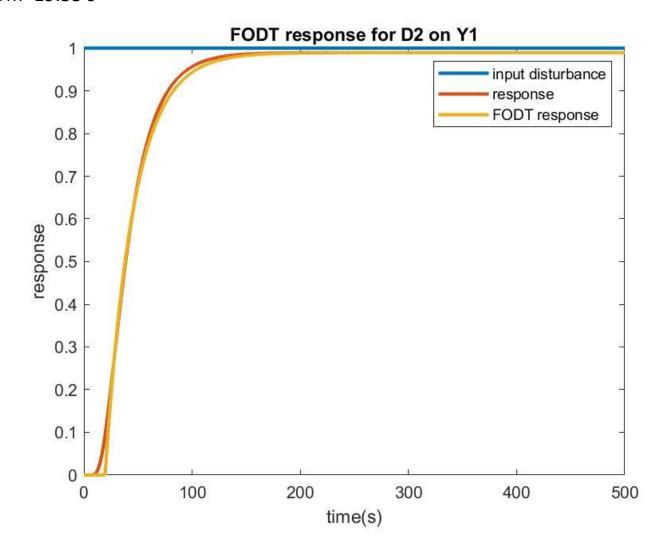


Part: C FODT model fitting of Y1 w.r.t D2

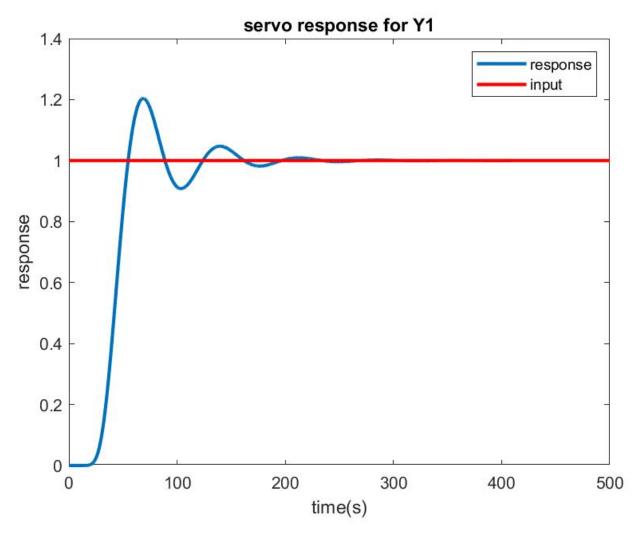
Km=0.9894

Tm=26.25 s

Dm=19.55 s



Servo Response



Regulator Responses

