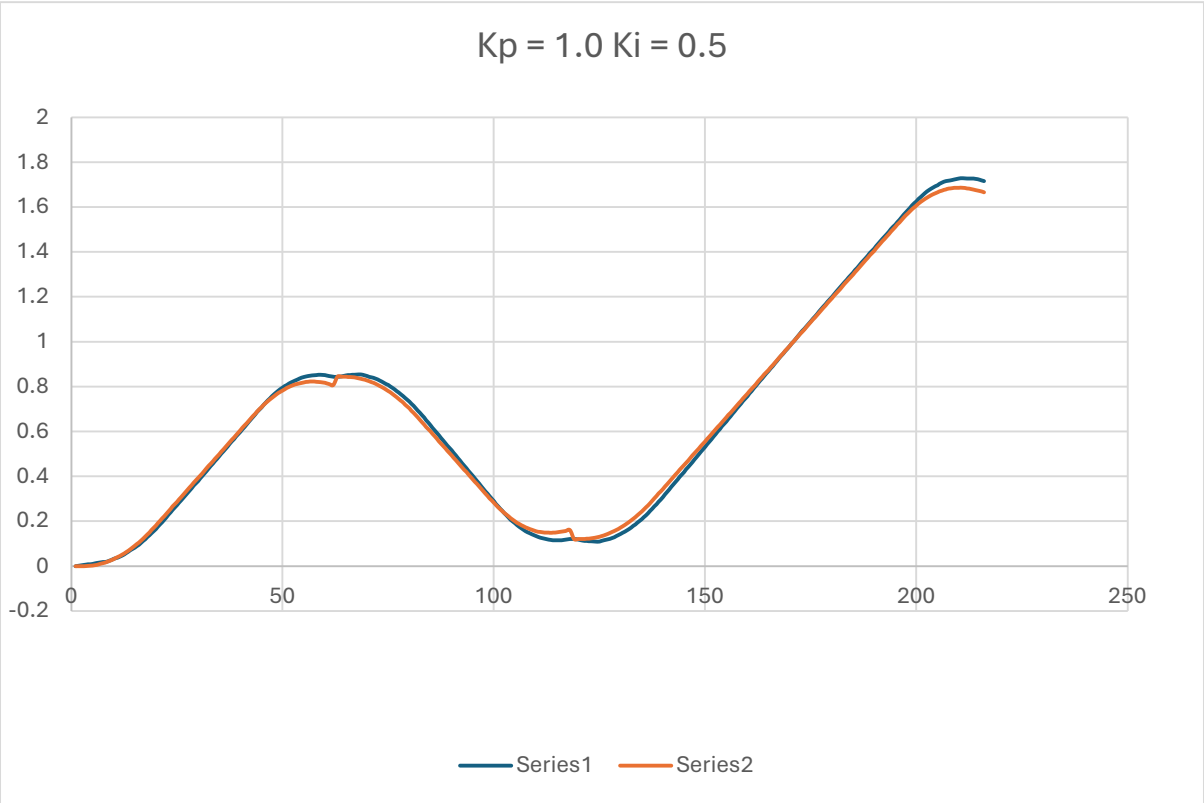
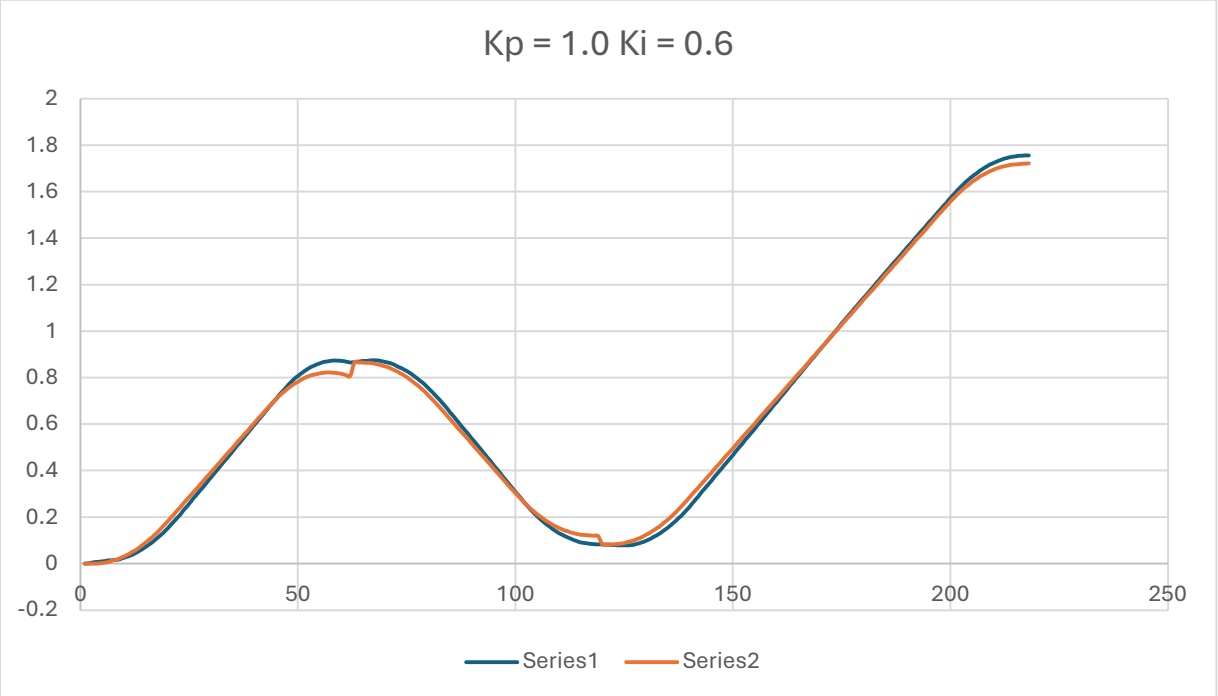
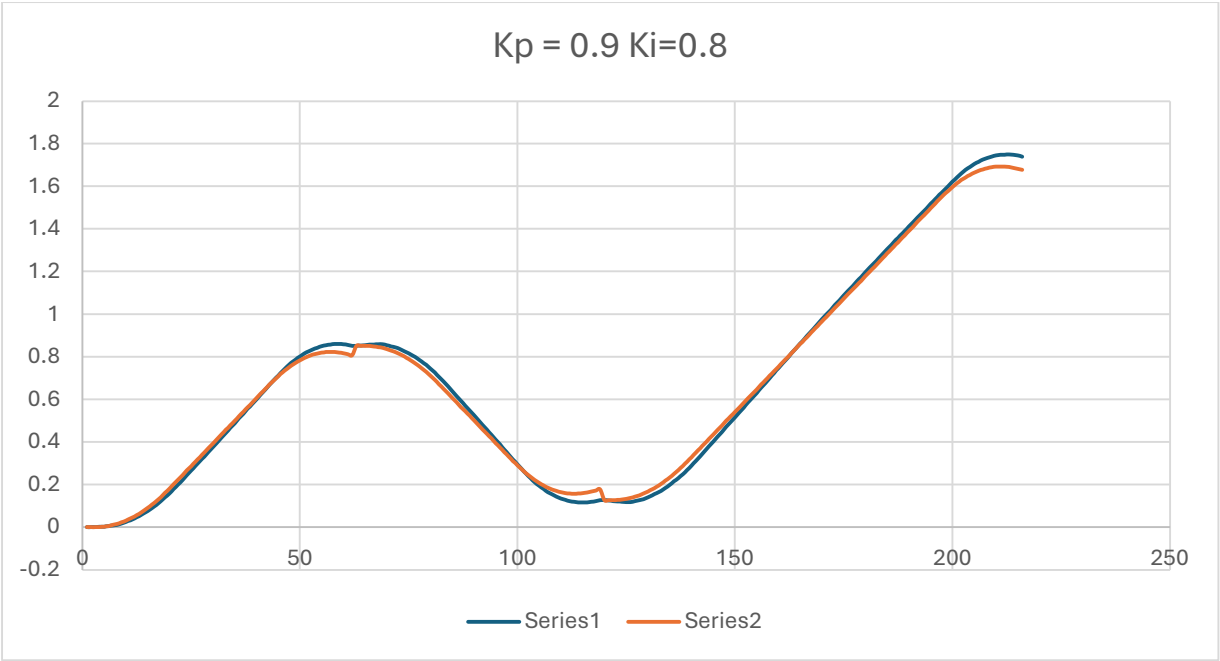
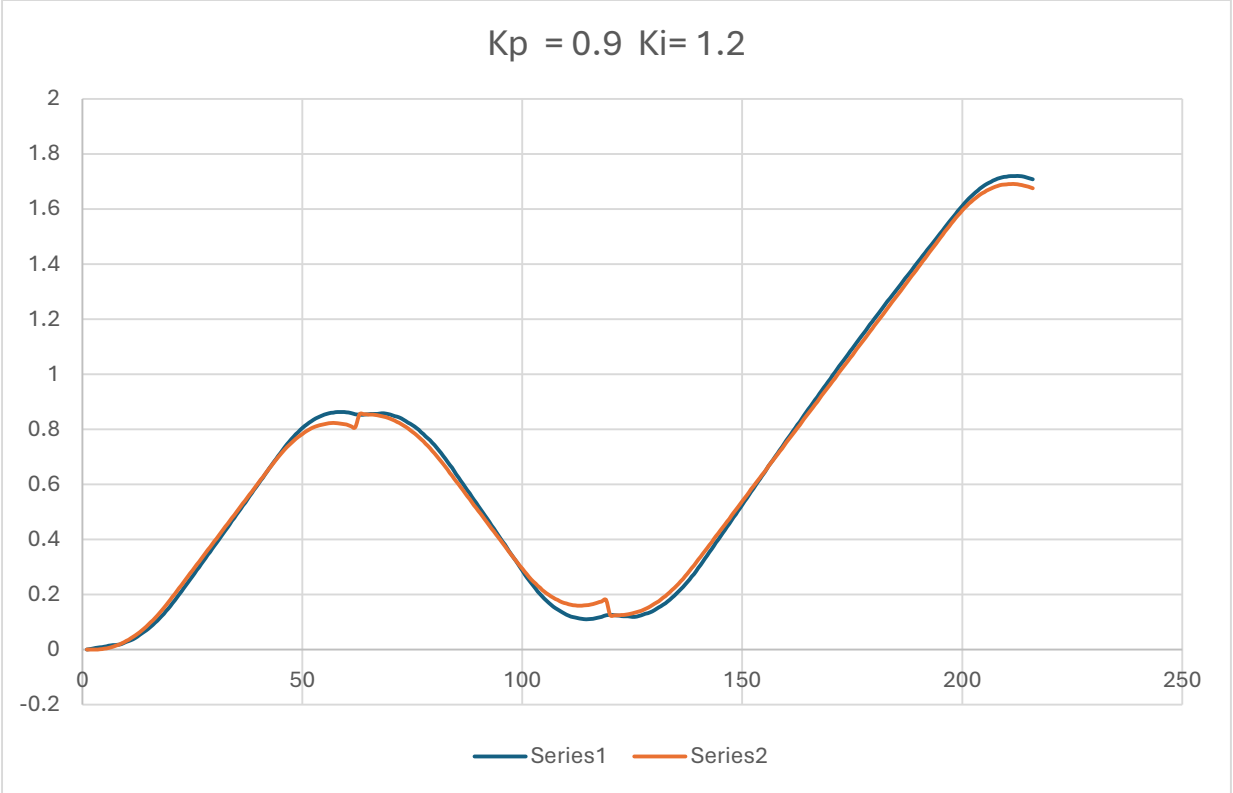
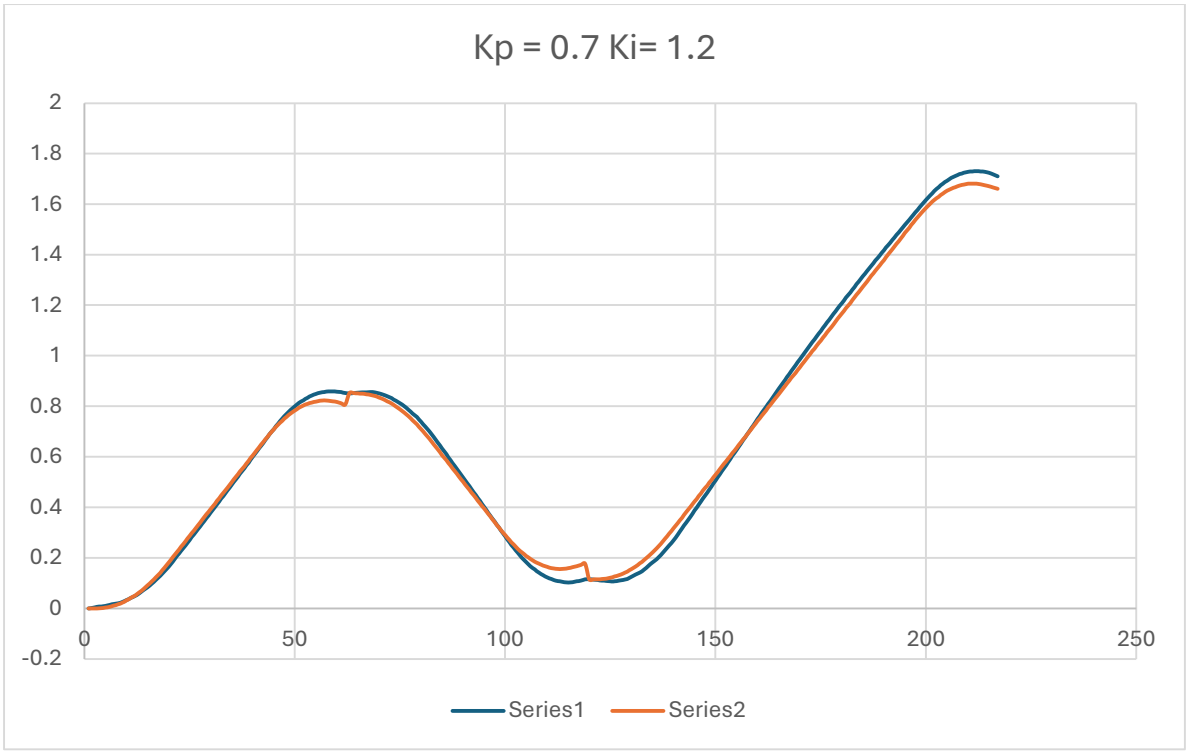
Trying to provocate overshoot without Kd



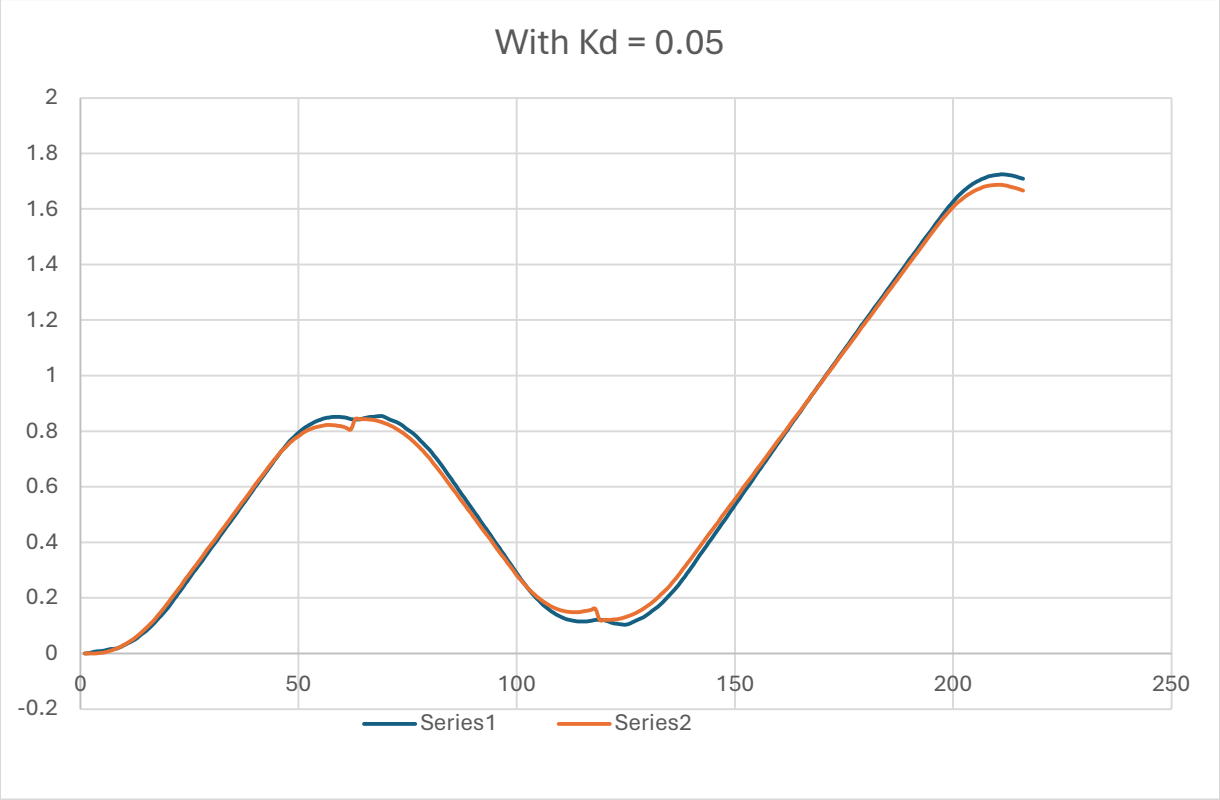


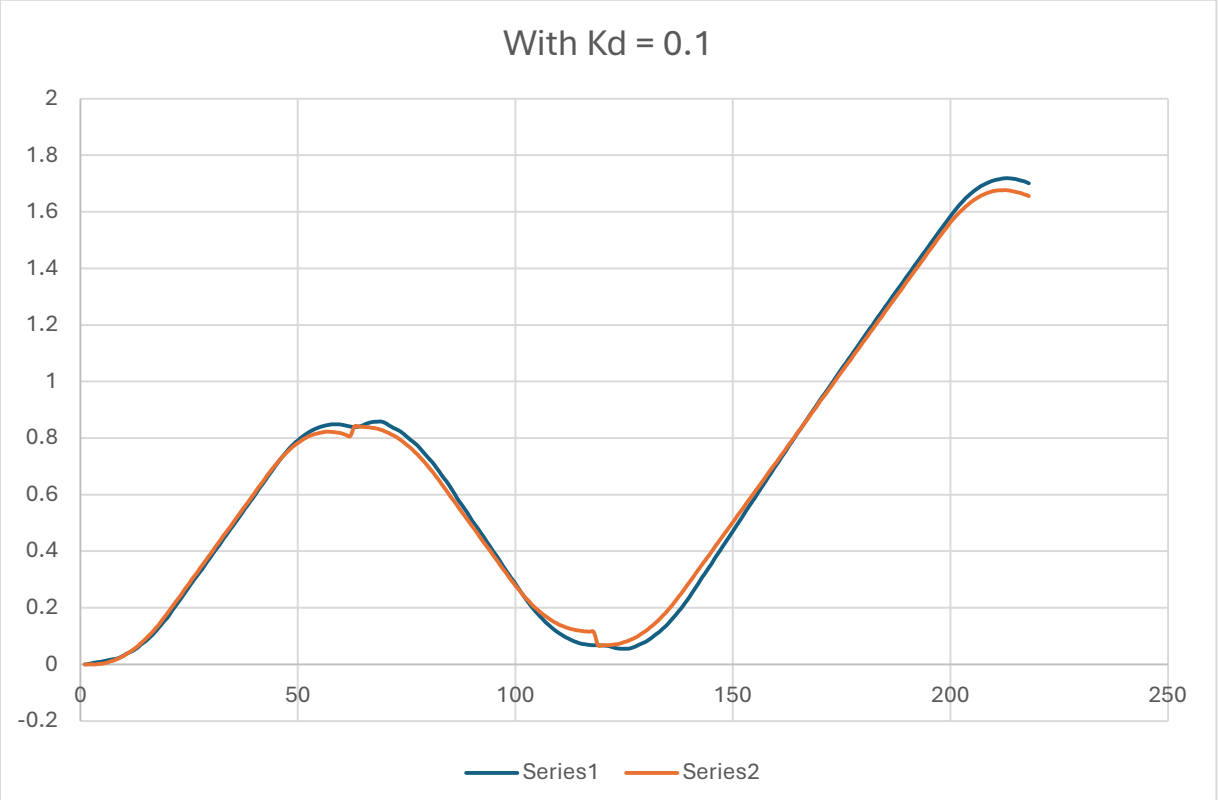

Kp = 0.9 Ki=0.8
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2

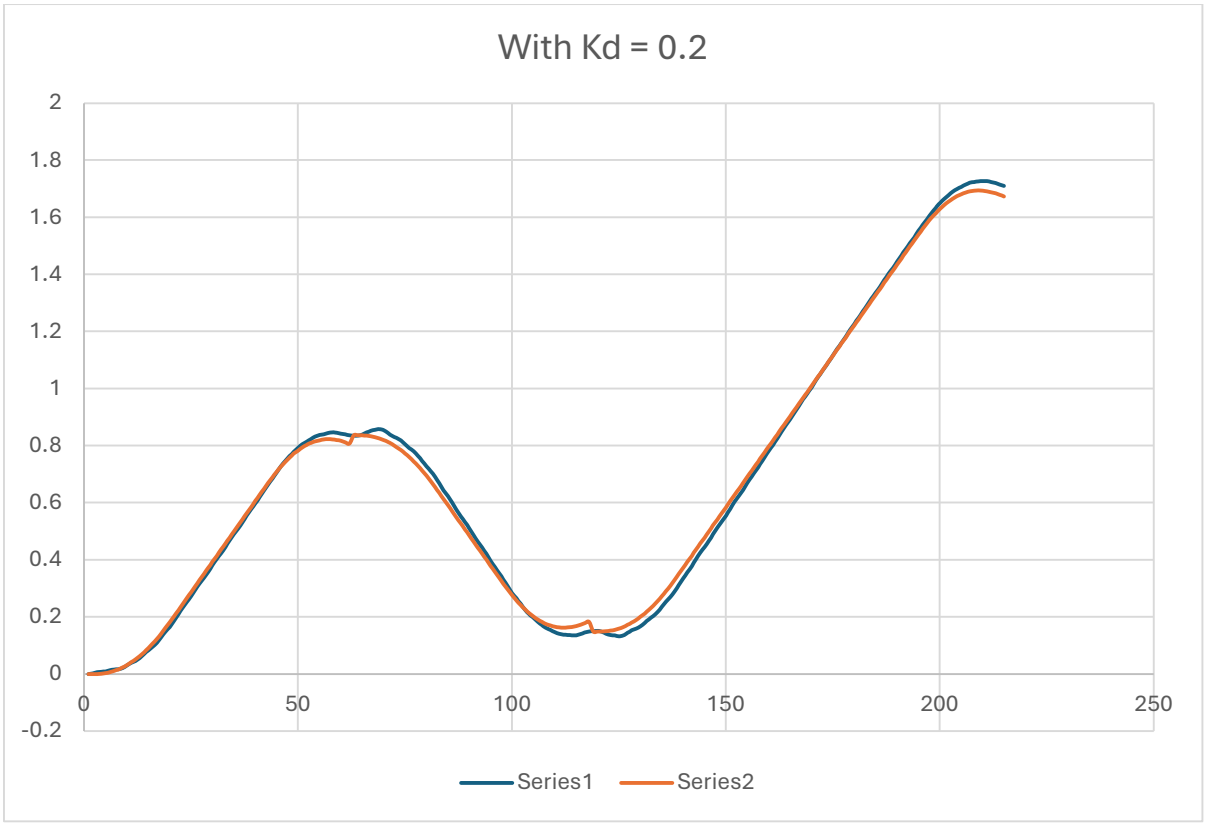

Kp = 0.9 Ki= 1.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2

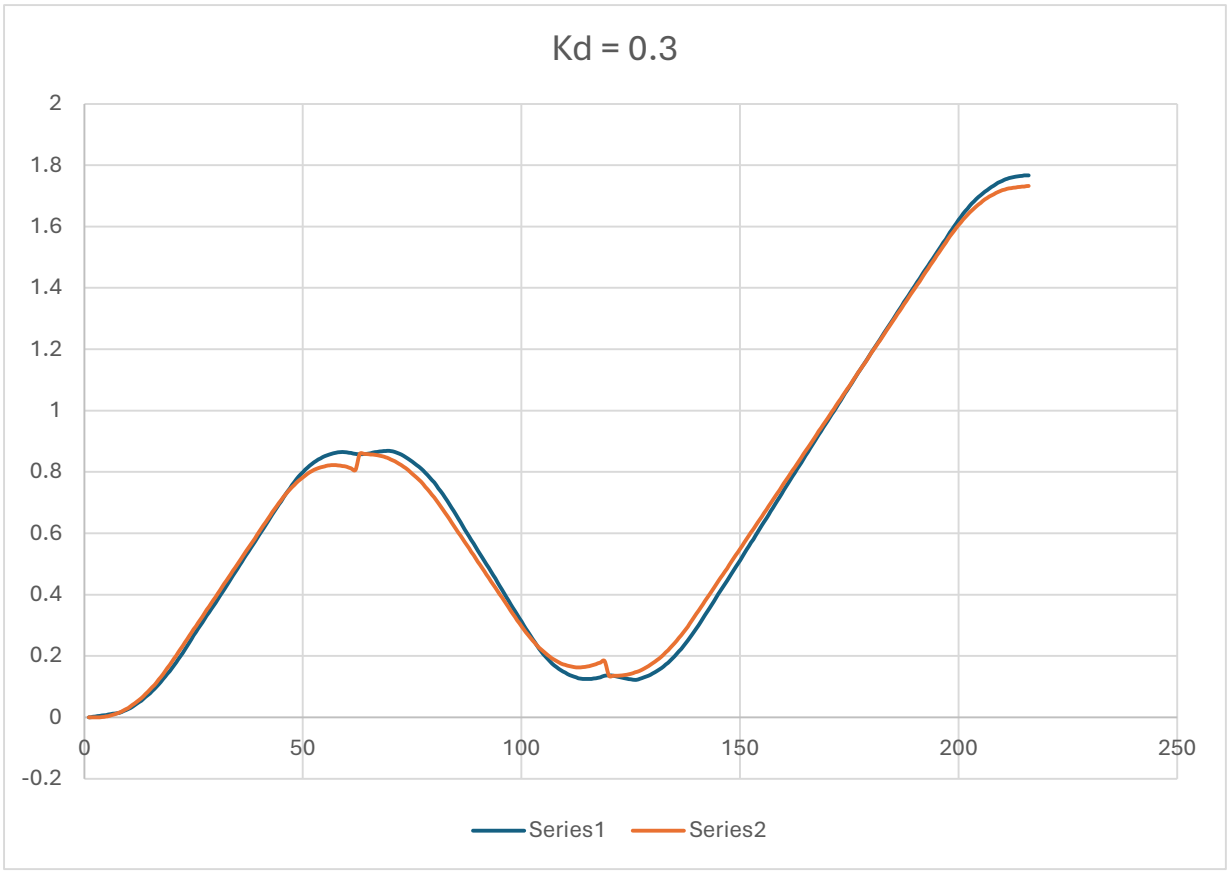

Kp = 0.7 Ki= 1.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2

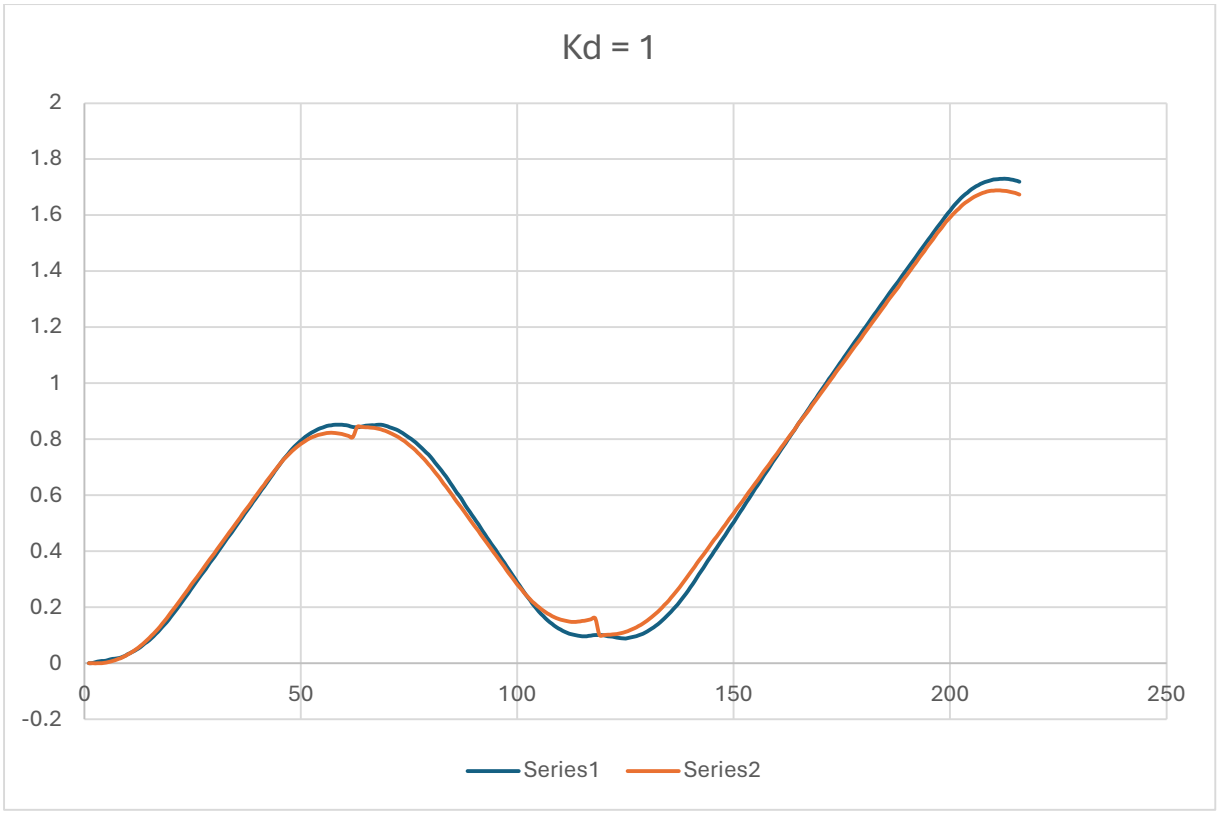
Use of Kd to fix second curve






With Kd = 0.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2


Kd = 0.3
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2


Kd = 1
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
50
100
150
200
250
Series1
Series2