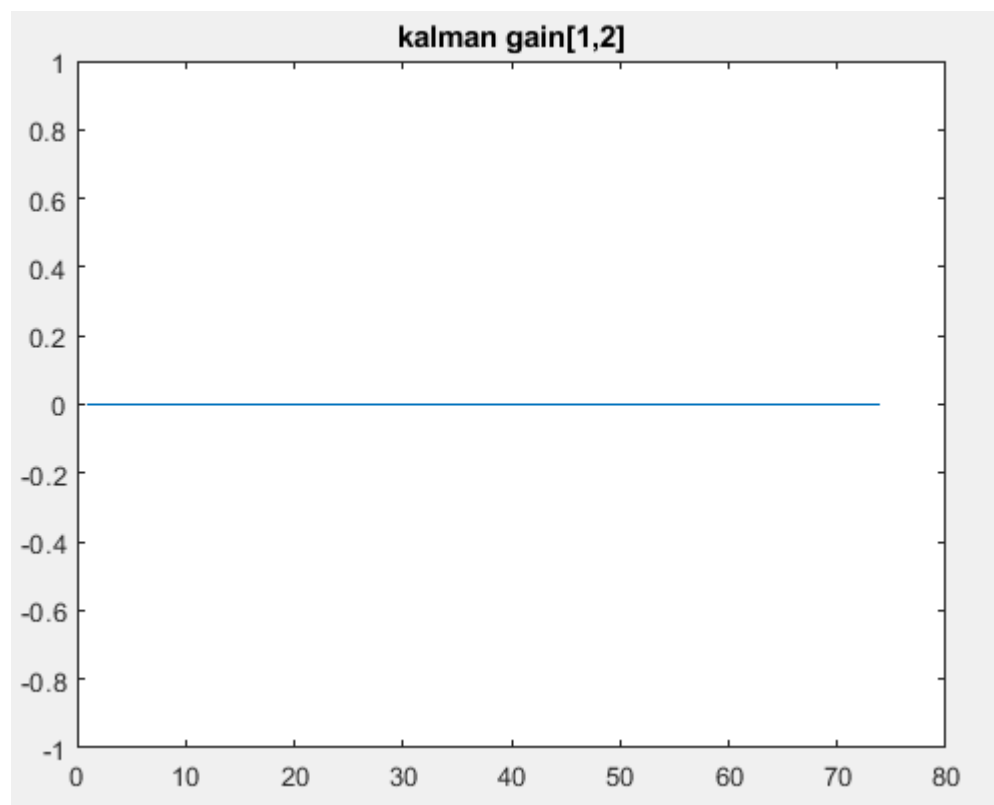
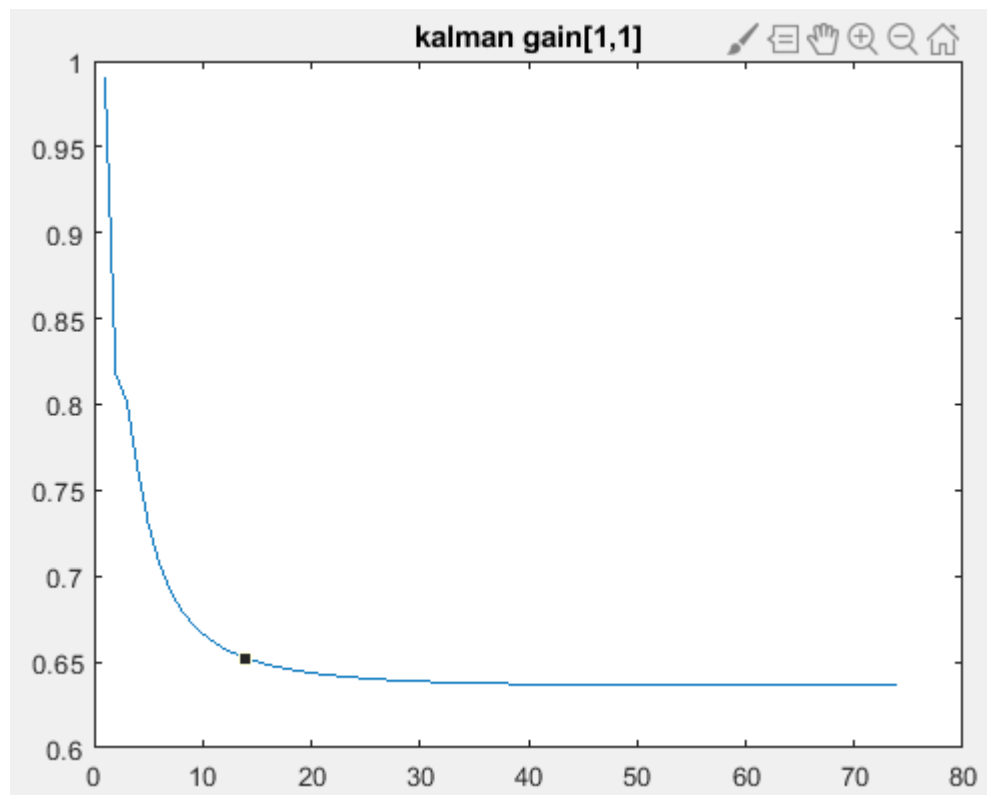
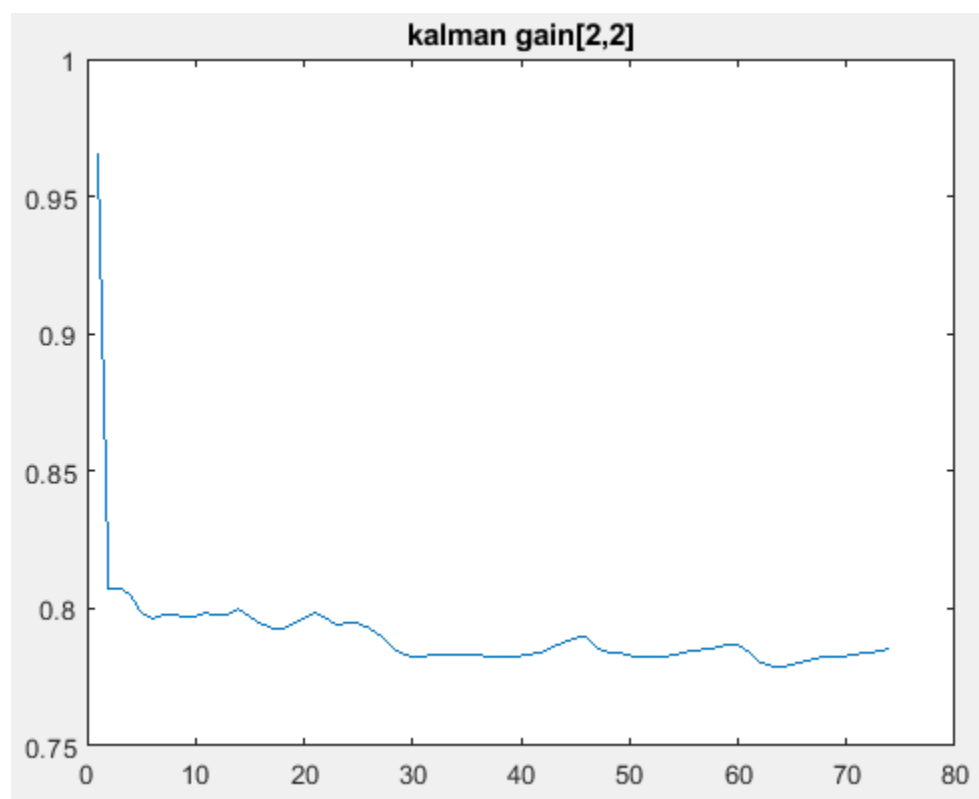
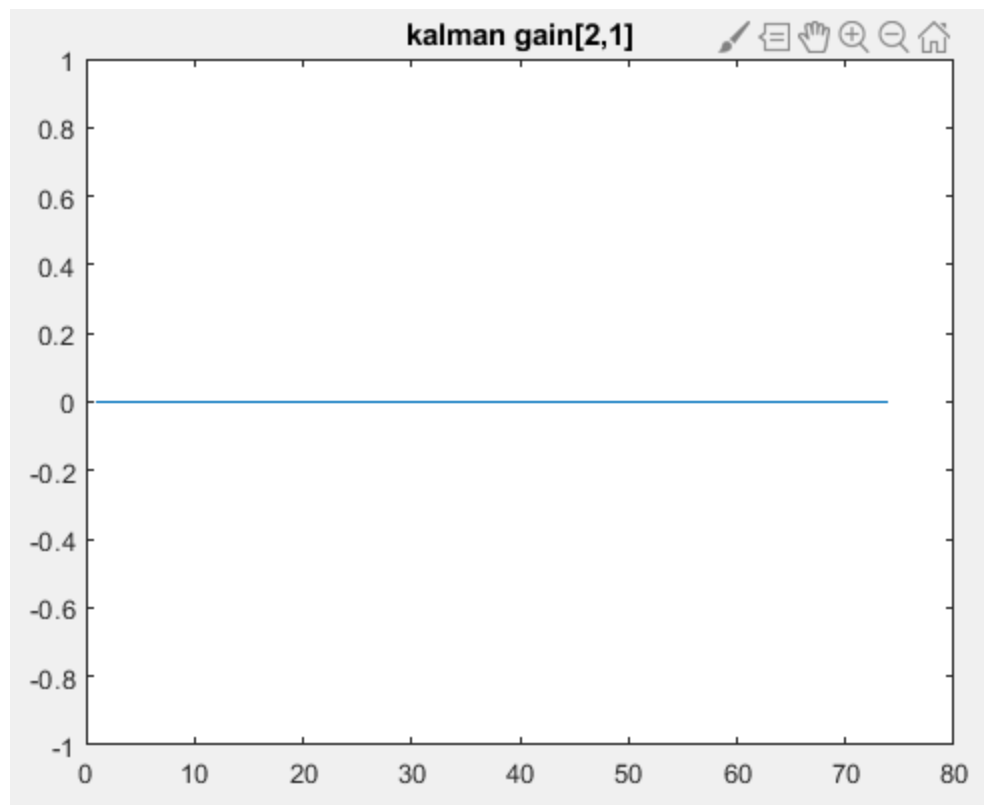
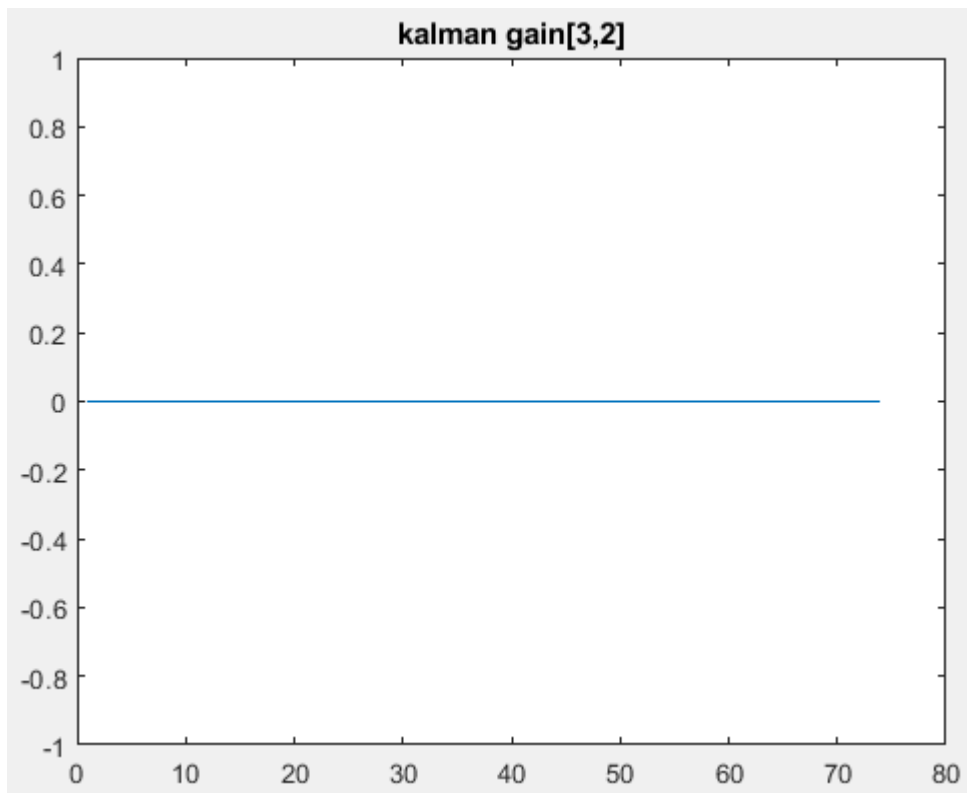
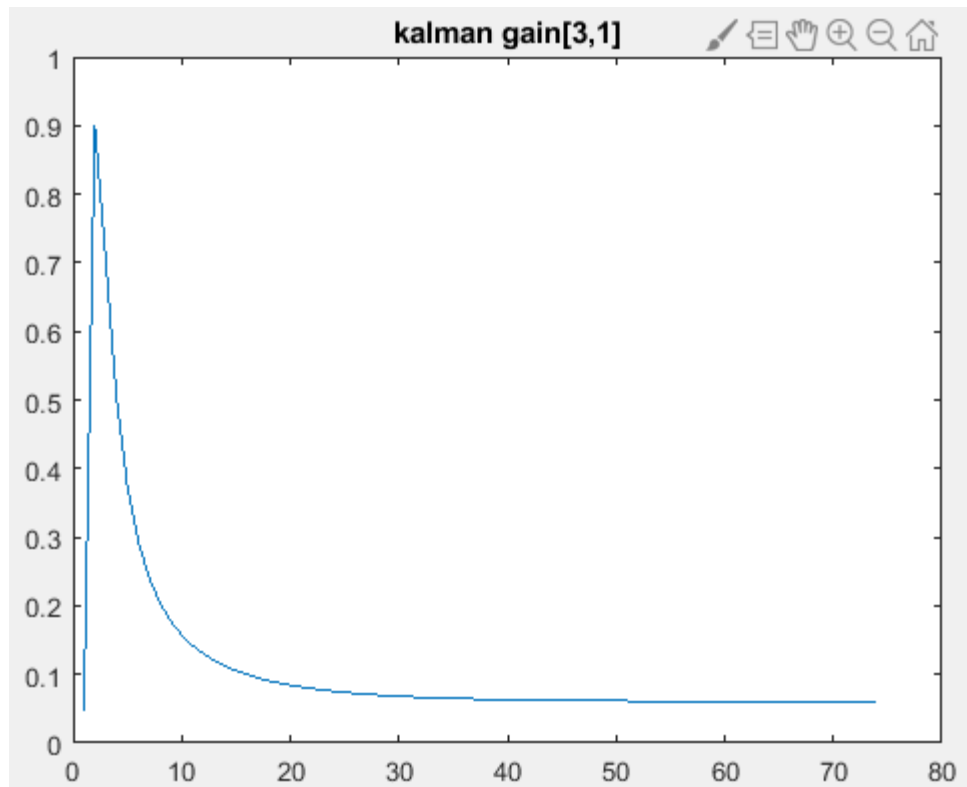
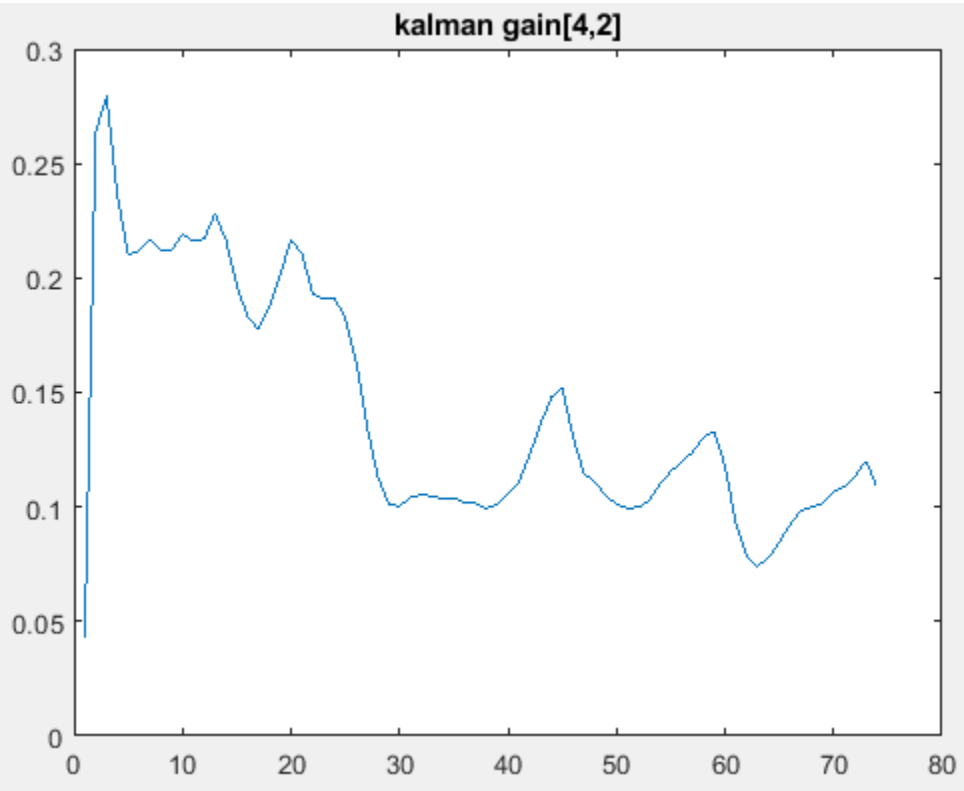
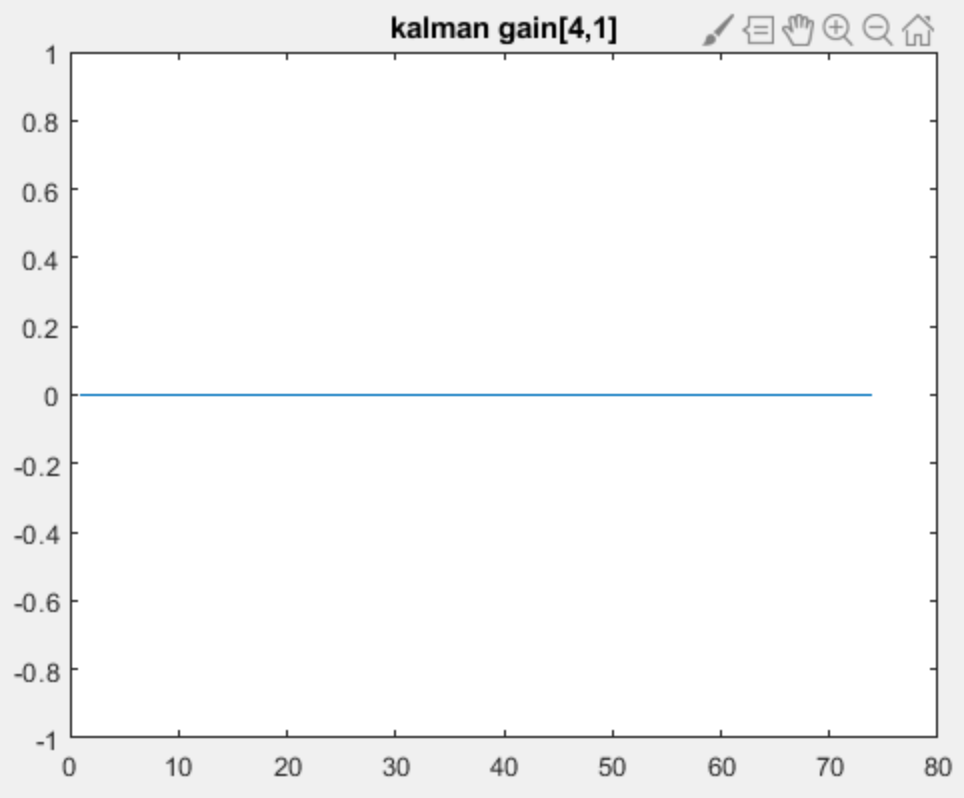


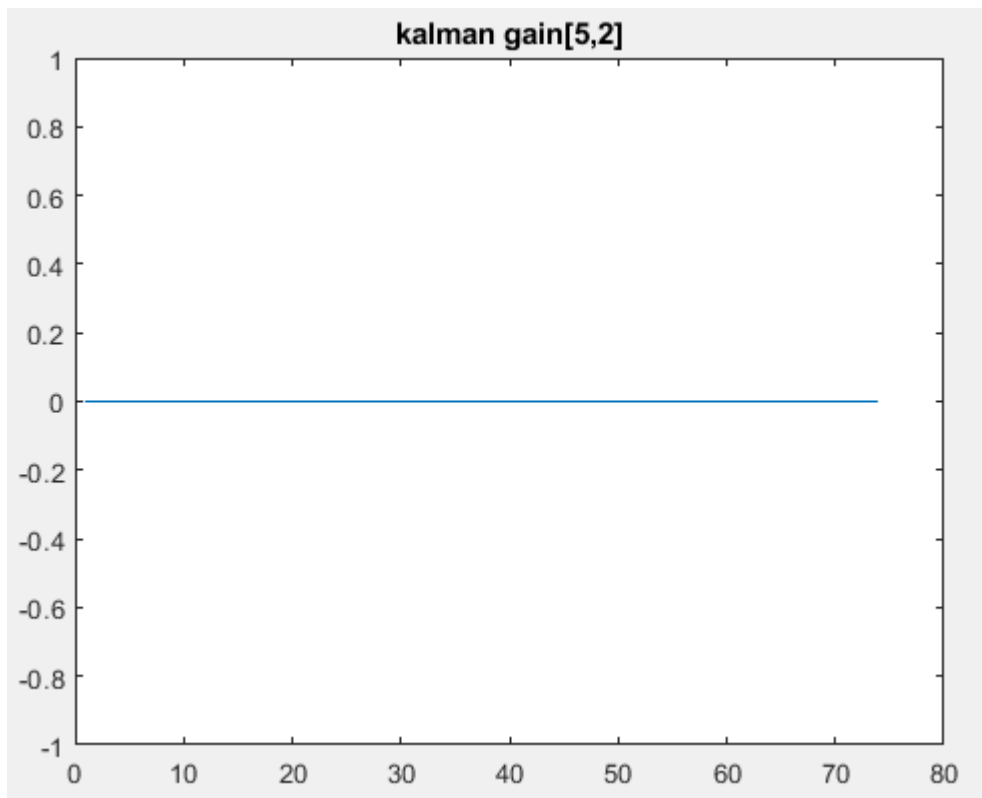
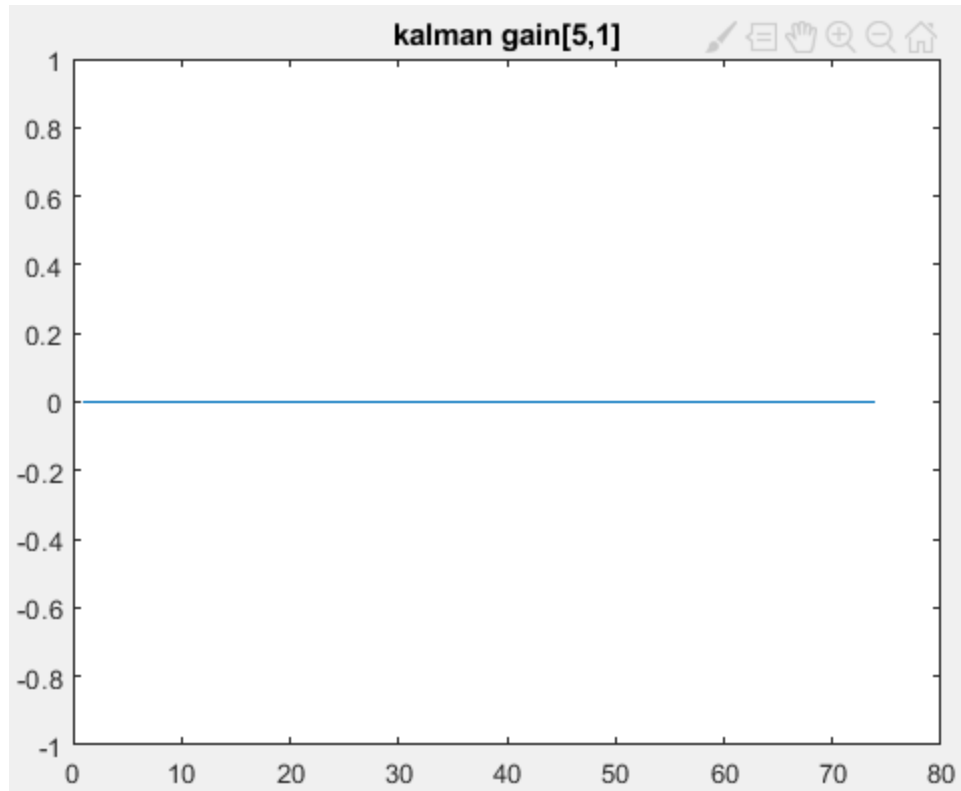
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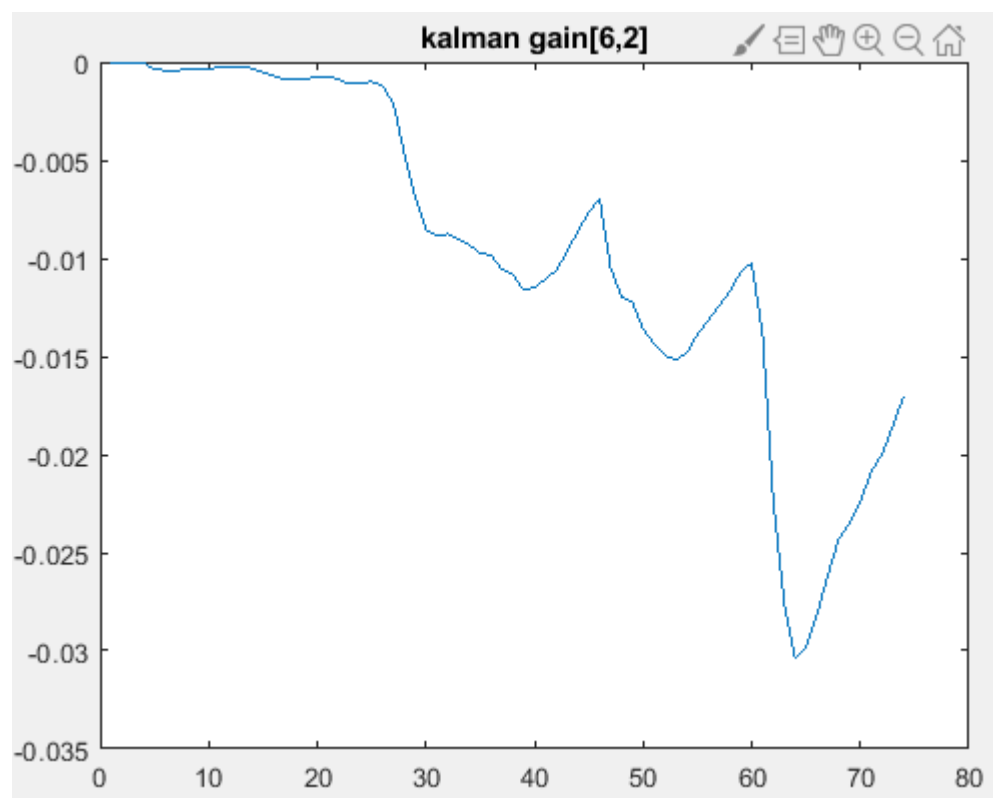
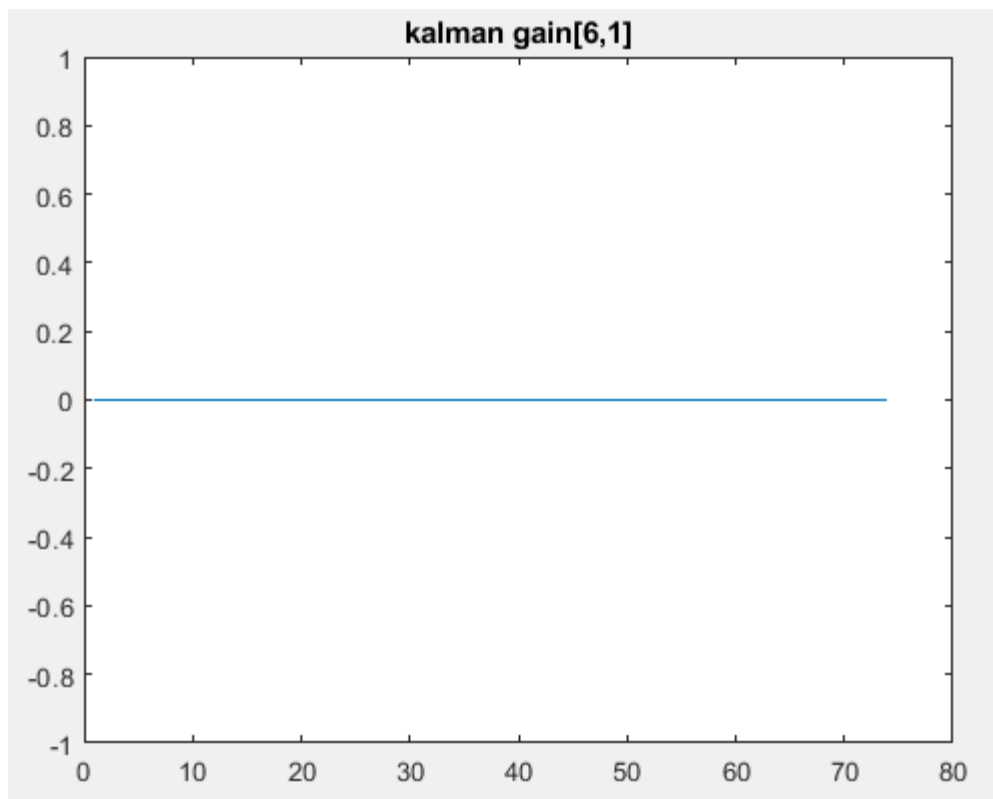


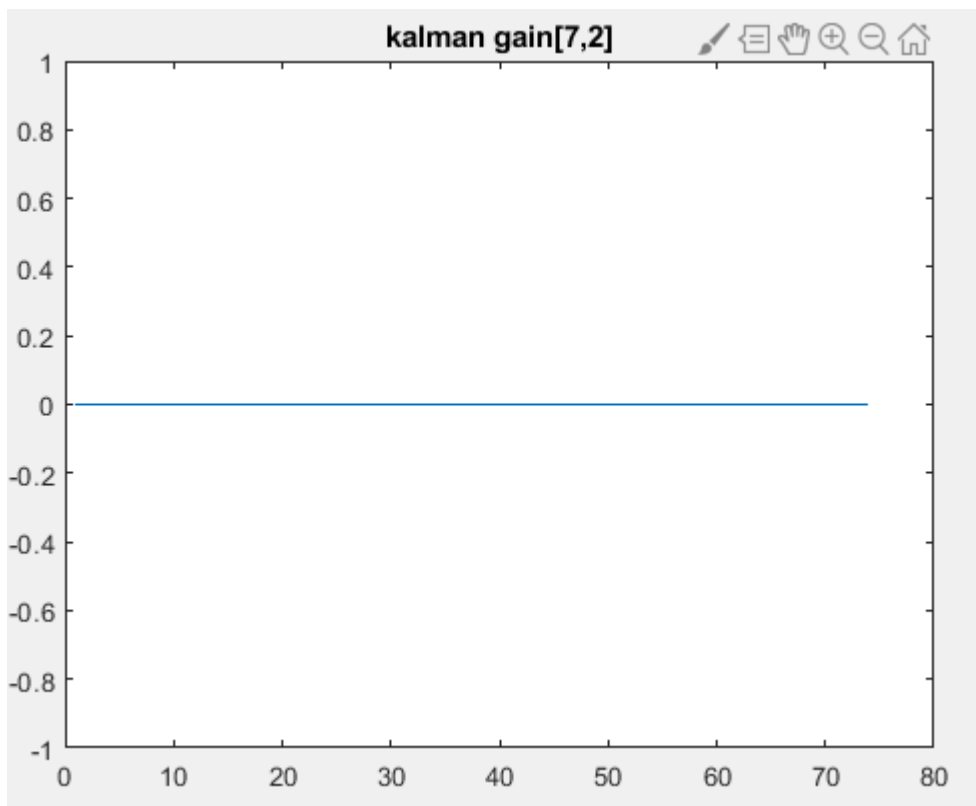
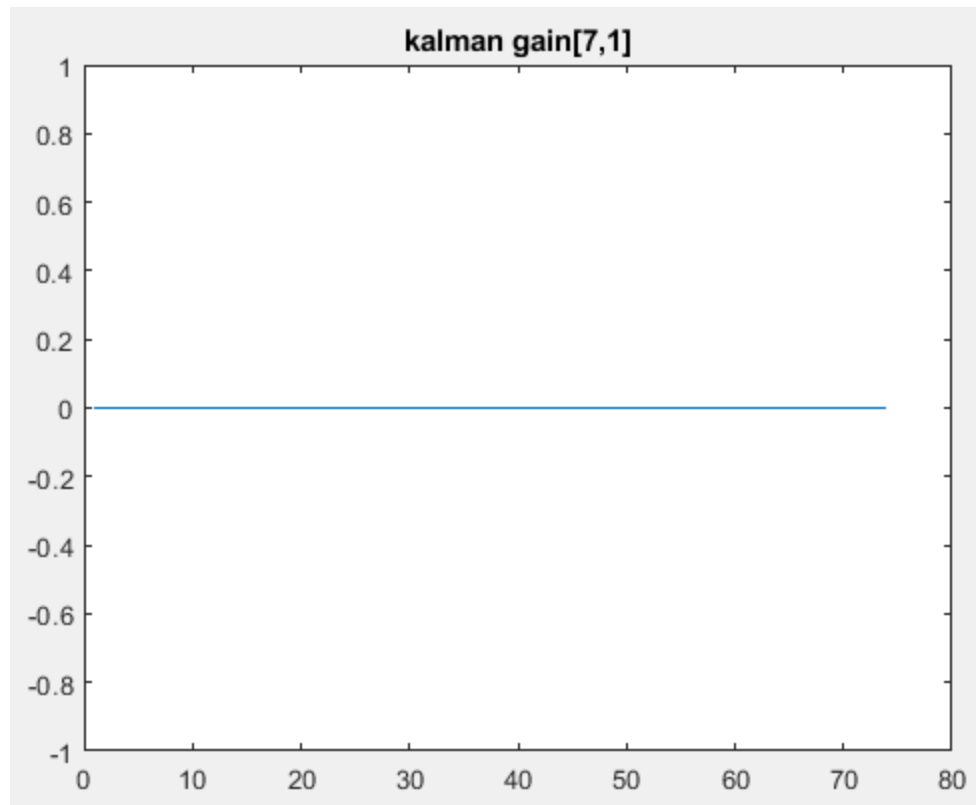


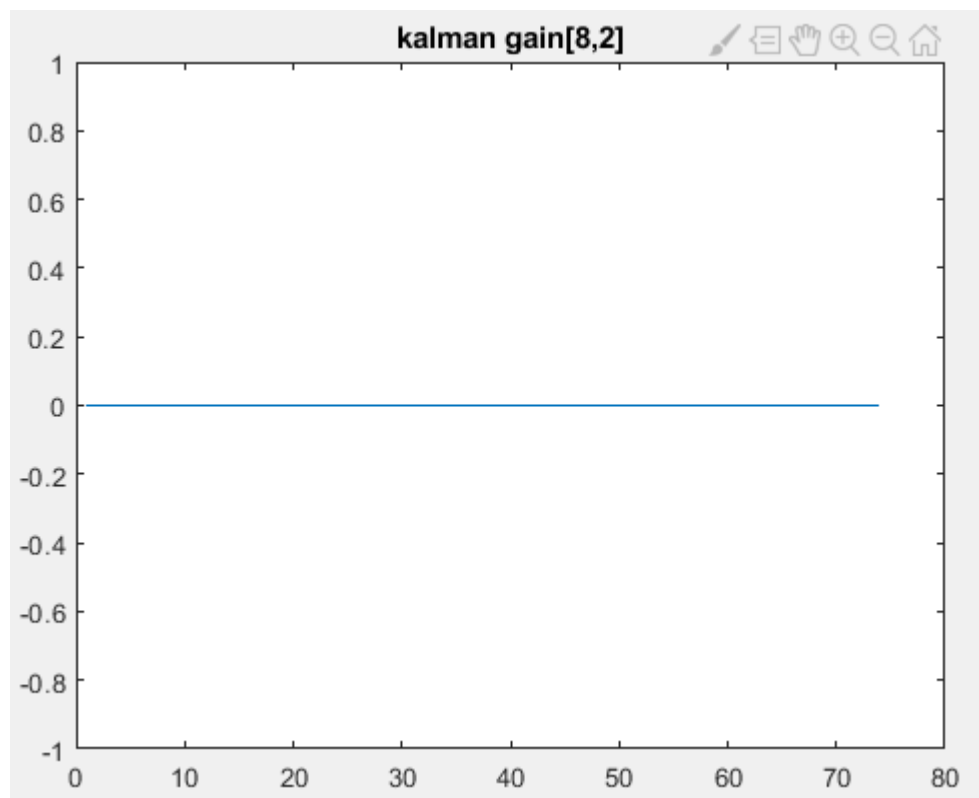
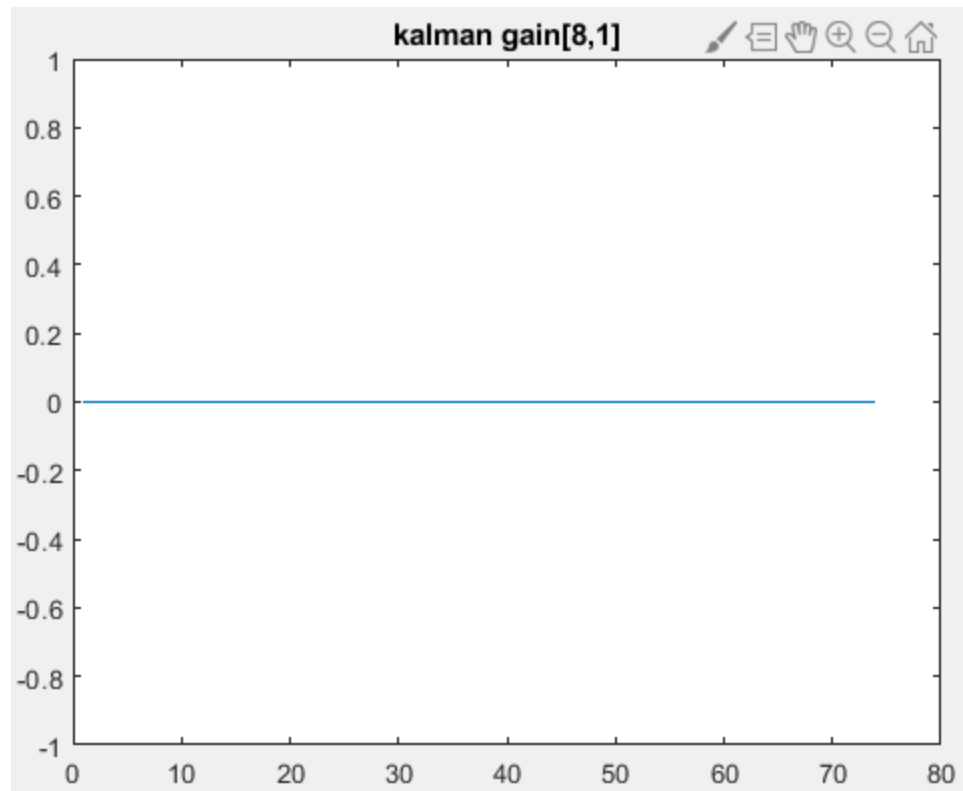












3.

	Group	Name
Initial Covariance	1	Uncertainty for <i>Position</i>
	2	Uncertainty for <i>Velocity</i>
	3	Uncertainty for coefficients of aero drag magnitude
Process Noise	4	Position process noise
	5	Velocity process noise
	6	Coefficients process noise
Measurement Noise	7	Velocity measure noise

4.

Error Group	Position		Velocity		Drag Coefficients			
	r_x	r_y	v_x	v_y	Δh	$\Delta \beta$	$\Delta \rho_0$	Δk_p
1	9.04	20.94	7.85	13.4	0	0	0	0
2	10.24	20.16	9.85	11.5	0	0	0	0
3	10.24	20.7	9.85	12.2	0.1	7.35	0.1	7.35
4	11.8	21.8	11.2	12.65	0.1	7.5	0	0
5	31.9	12.32	20.25	23.09	0.1	7.5	0	0
6	3.36	25.7	7.24	12.99	20.4	53.85	0	0
7	5.61	12.4	10.6	15.33	0.1	13.21	0	0

5.

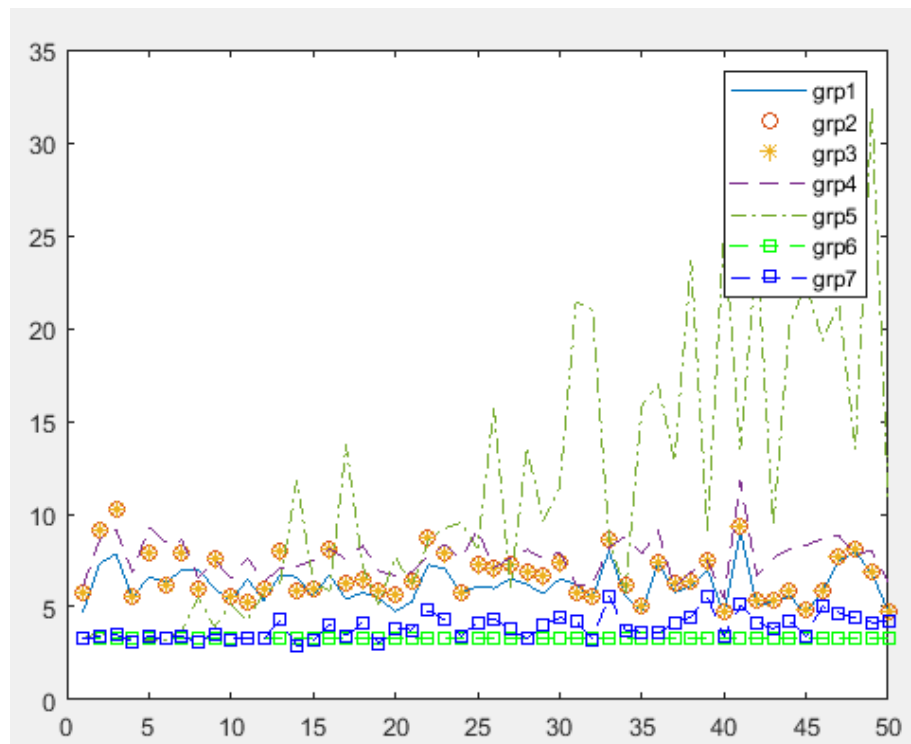


Fig1. Error Sensitivity for r_x

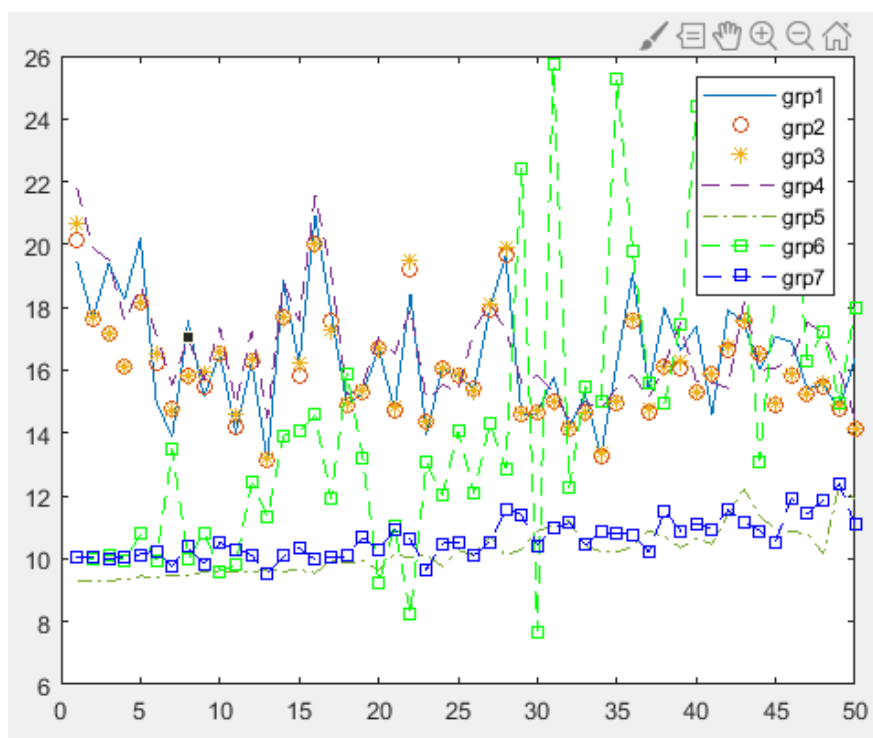


Fig2. Error Sensitivity for r_y

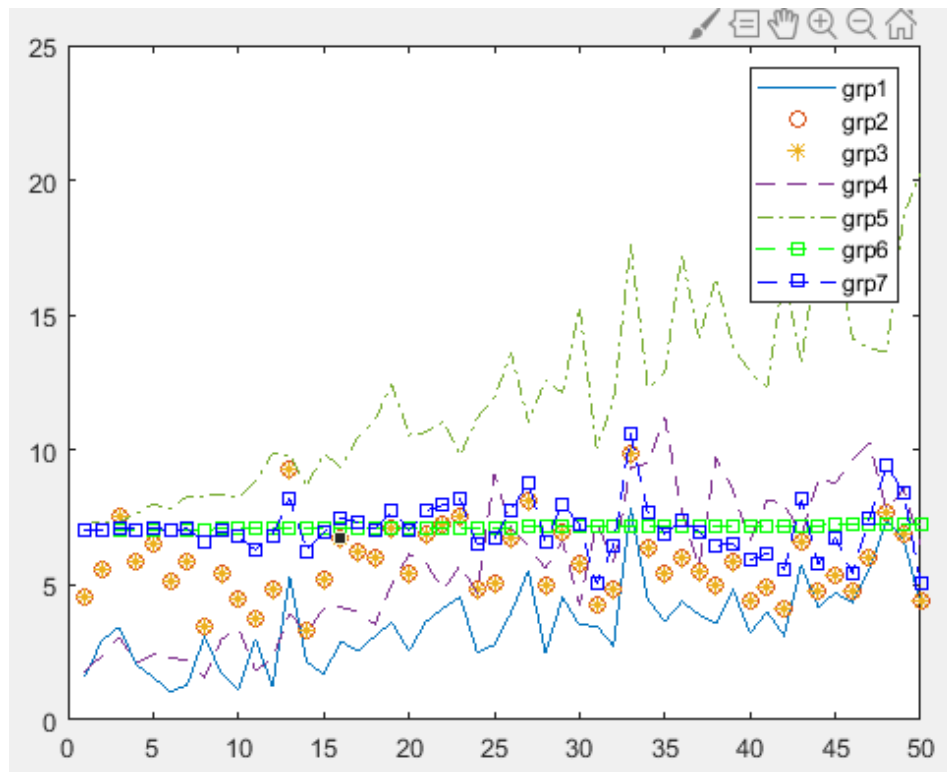


Fig3. Error Sensitivity for v_x

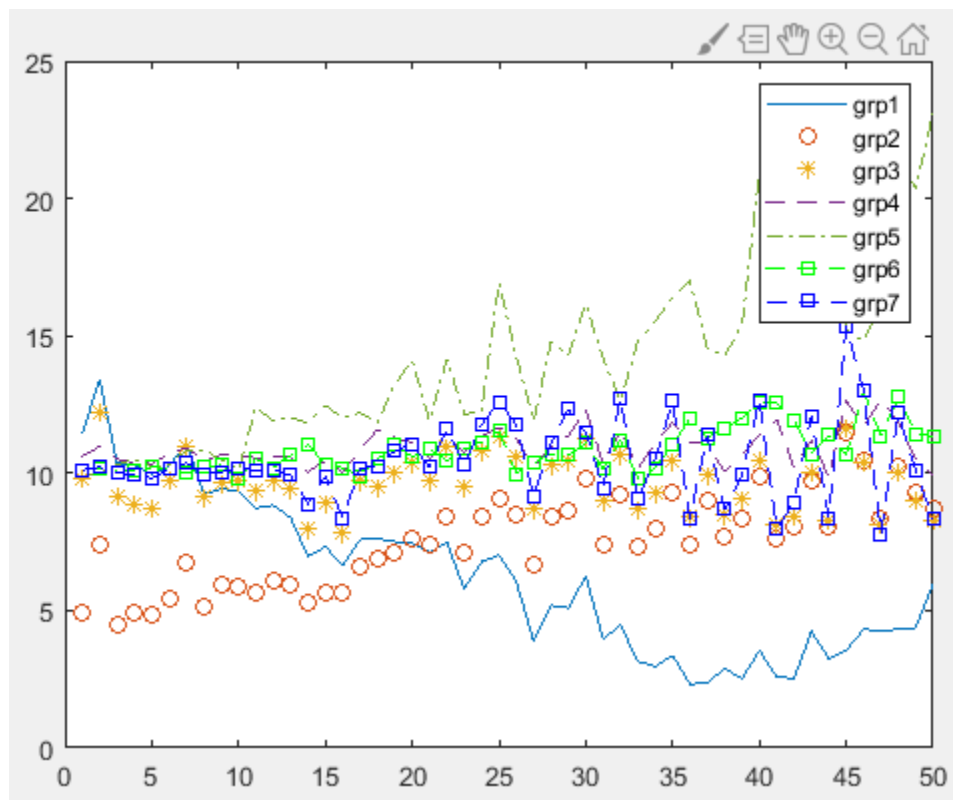


Fig4. Error Sensitivity for v_y

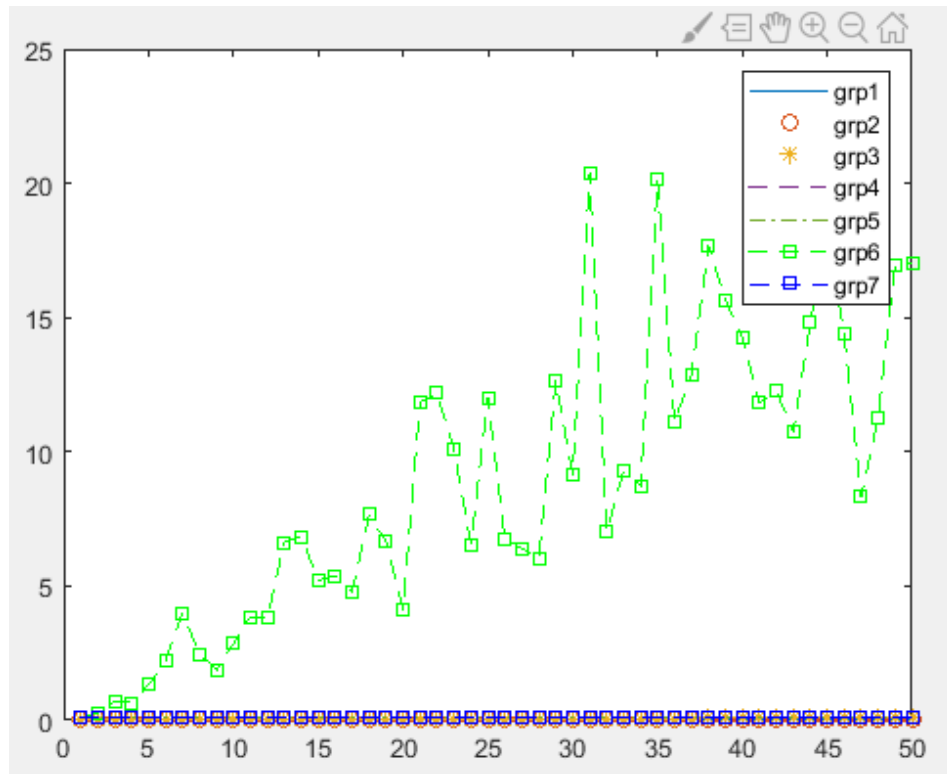


Fig5. Error Sensitivity for Δh

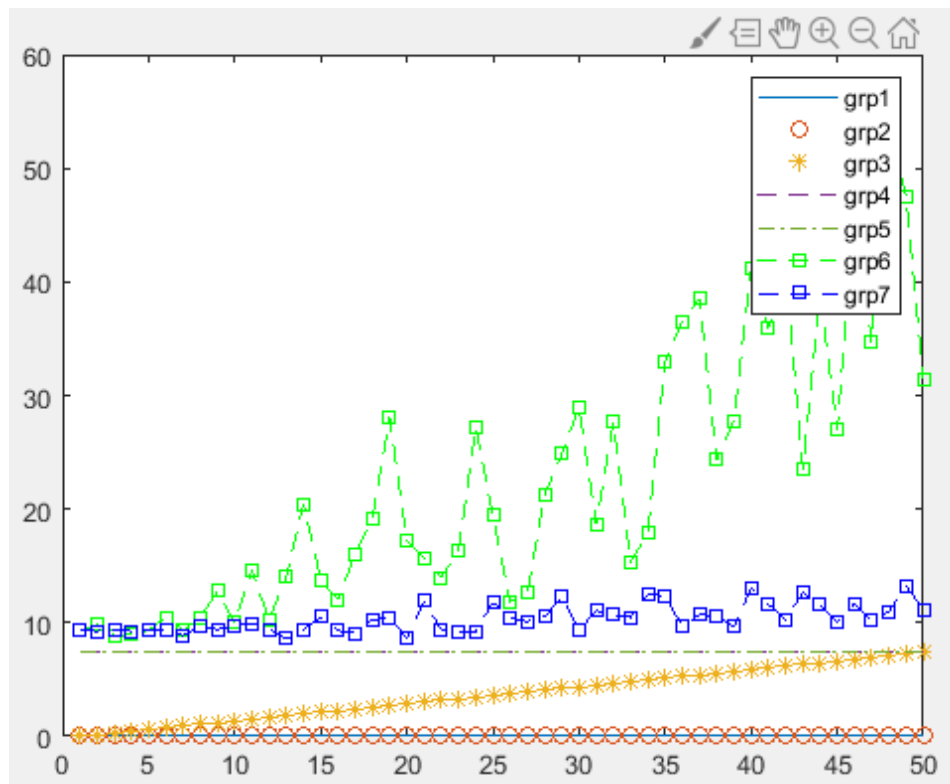


Fig6. Error Sensitivity for $\Delta \beta$

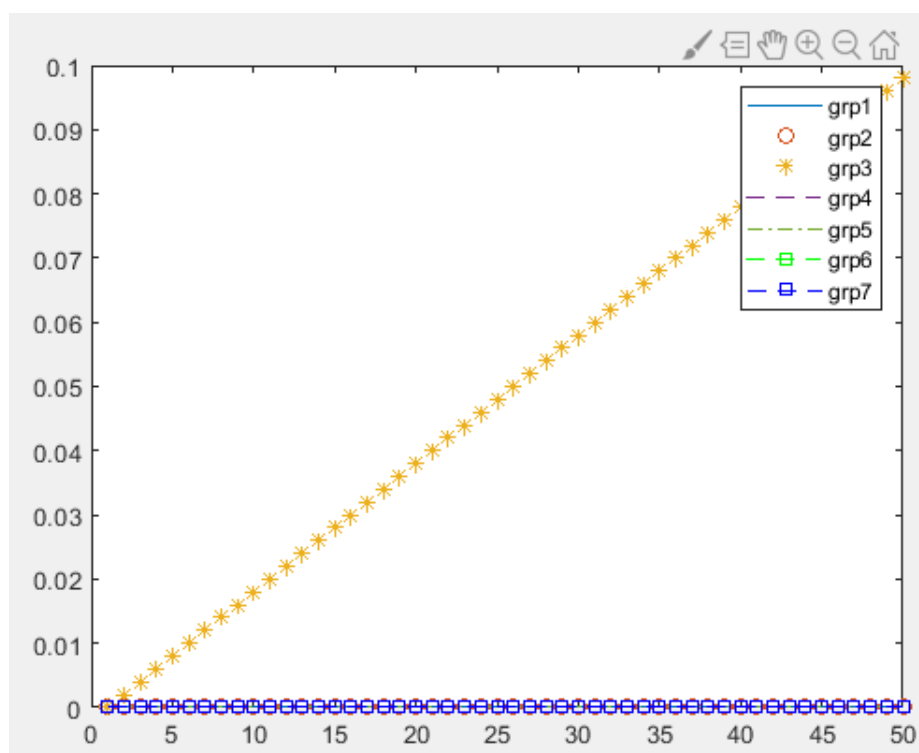


Fig7. Error Sensitivity for $\Delta\rho_0$

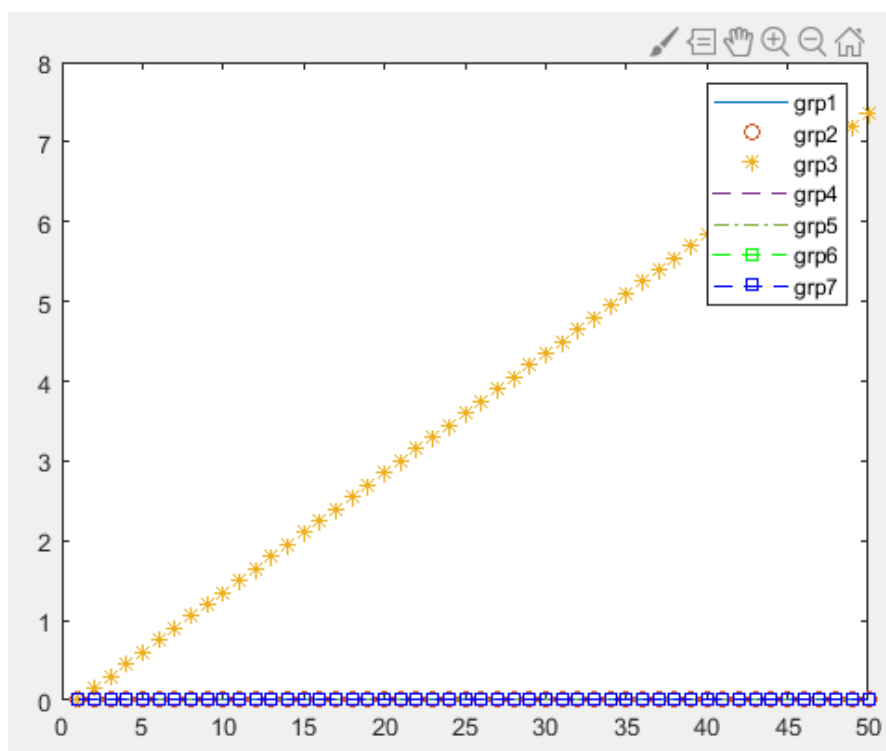


Fig8. Error Sensitivity for Δk_p