

Figure 1.Simulink for ekf

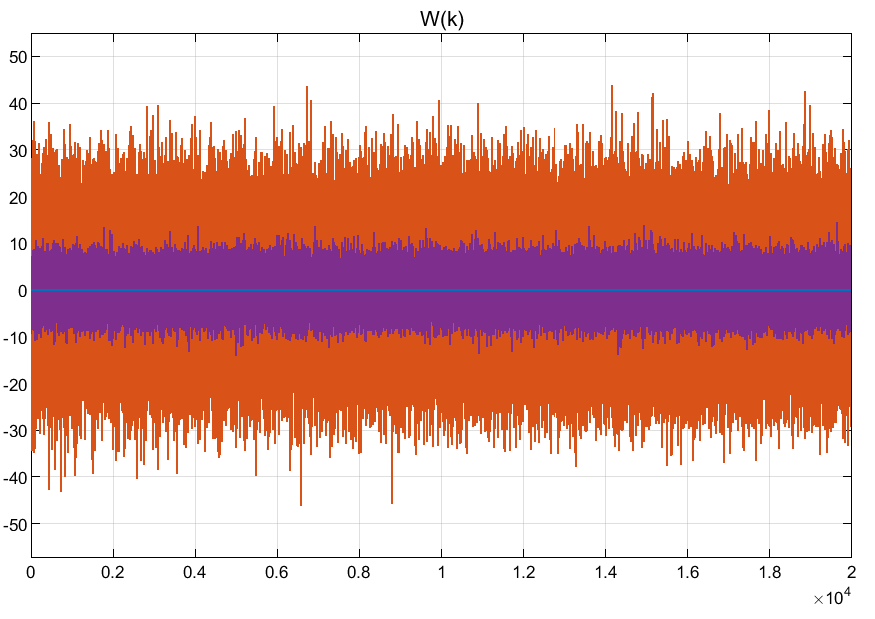


Fig 2.Process noise

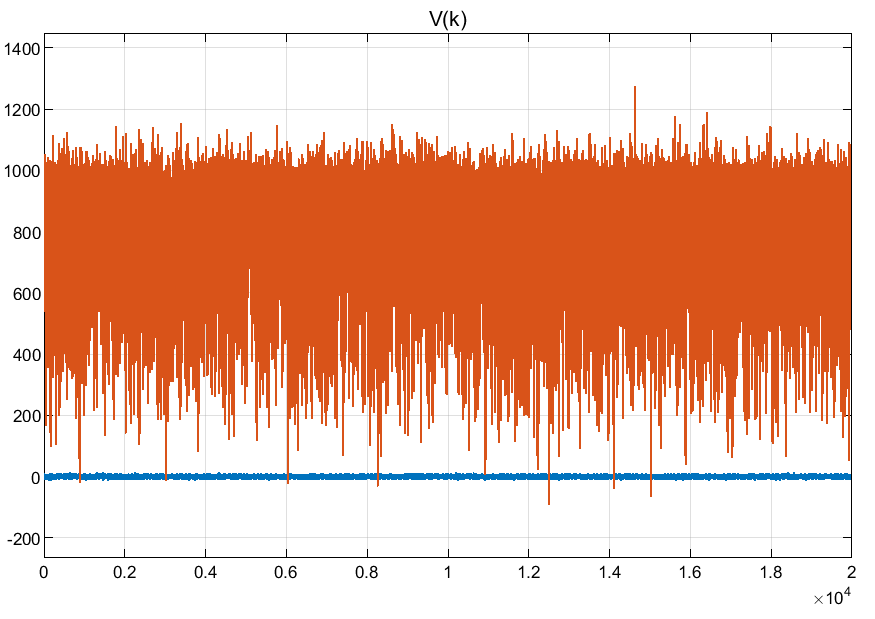


Fig3. Measurement noise

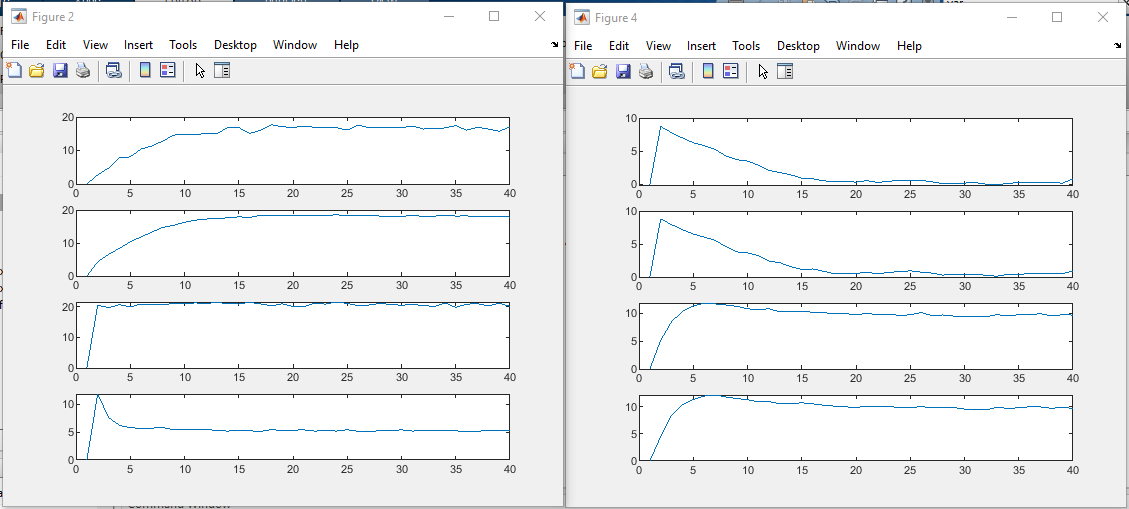


Fig 4. Mean and standard deviation for pre and post estimations.

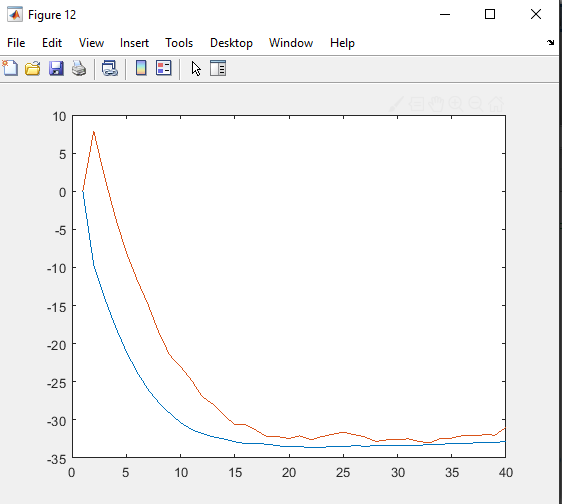


Figure 5.co-plot for standard deviation of vy

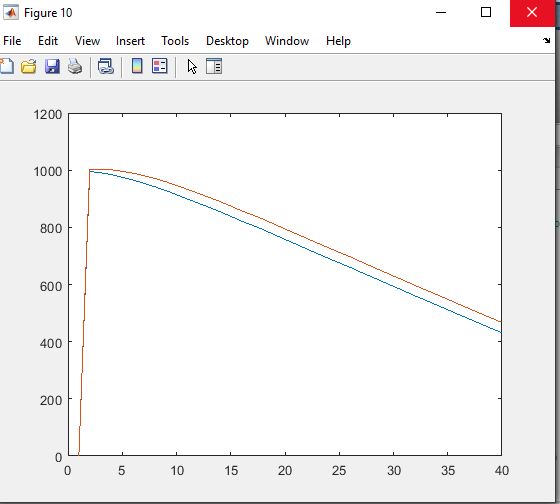


Figure 6.co-plot for standard deviation of ry