Kalman Filtering Pendulum position Pendulumn Velocity θ $\theta_{\underline{\text{dot,KF}}}$ $\theta_{\rm KF}$ $heta_{
m dot}$ θ -500 -50 -1000 -100 -150 -1500 Time(secs) Time(secs) **Rotor position Rotor Velocity** $\theta_{\rm r,KF}$ $\theta_{\rm rdot,KF}$ Step Input(V) Step Input(V) -500 -500 Time(secs) Time(secs)