Experiment No: 42 True Predicted $\mathop{\rm cost}_{\sim} 10^7$ 50 $\begin{array}{c} {\sf Actuator} \\ {\sf Position} \\ S_t \end{array}$ 0 50 $\begin{array}{c} \mathsf{Sensor} \\ \mathsf{Position} \\ S_t \end{array}$ 0 $10^4 \\ 10^3 \\ 10^2$ States $|\hat{x}_t|$ $|x_t|$ 20 40 60 80 100 Time Openloop Eigenvalues $|\lambda_i(A)|$ 50 10 20 30 40 Mode