

State estimator (observer) linear $\dot{x} = A \times + Bu$ NV $\hat{\chi} = A\hat{\chi} + Bu$ similation driven by re Luenberger diserver $= A\widehat{x} + Bu + H(Cx - C\widehat{x}) - Ax - Bu$ e = A(x-x) = Hc(x-x) e = (A >HC)e nxu nxp pxn nx1 To have e-30, make A-HC stable by solectring H. Kalman filter



