07 -- Wed Nov 17

ECE 447: Control Systems (Fall 2021)

Prof: San Burden TA. Sat Singh

today: 12 logistics: HW 6 dre Fri Nov 19

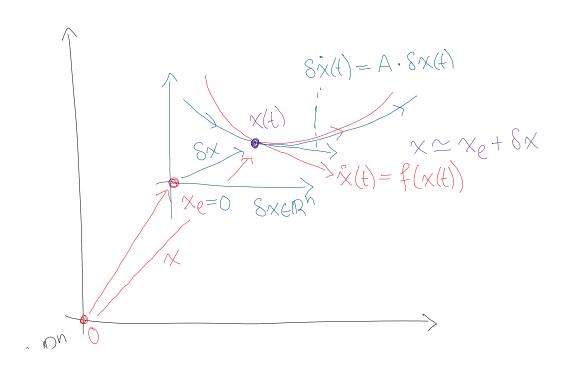
exam 1 results & regrades

mid-gworfer feedback

Hw & due Fii Dec 3

1 break

a office hor



XE Rn

o suppose given
$$(\ddot{x} = f(x, u))$$
 with operating point/equilibrium (x_0, u_0) s.t. $f(x_0, u_0) = 0$ (let $y_0 = h(x_0, u_0)$)

o linearize to obtain (8x = A8x + B8u) where: x = x + 8x = x + 8x=

observer + controller $(S\hat{x} = A S\hat{x} + B Su - L(S\hat{y} - Sg))$