Day 29 Tracking

AE353 Spring 2022 Bret1

$$\dot{m} = f(m, n)$$

$$\downarrow O = f(me, ne)$$

$$\dot{x} = A \times + Bu$$

$$x = m - me$$

$$u = n - ne$$

$$u = -Kx$$

$$u = -Kx$$

$$0 = f(me, ne)$$

$$\dot{x} = A \times + Bu$$

$$x = m - me$$

$$u = n - me$$

$$u = -Kx$$

$$\frac{\partial f}{\partial m}\Big|_{(m_e, n_e)} = \frac{\partial f}{\partial m}\Big|_$$

x = m - We xdes = me-me uses = ne - ne u = - Kx n= u+ ne x = m - mo u = Udes - K(x-xdes) n = u+ ne n=u+ne = - Kx+Te = (- K(m- me) + ne n= u + ue = udes - K(x-xdes) + ne = ne-ye-K(m-ne-(me-we))+ne = (ne-K(m-me))

Call state. Por State che Ceep Dowle Sxdes = me-me uses = ne-ne xdes = me-me udes = ne - ne x = m - me u = udes - K(x-xdes) u = Udes - K(x-xdes) n = u + ne n=u+no { y = 0 - g(me, ne) 2= A2+ Bu- L(C2-4)