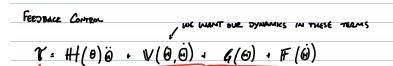
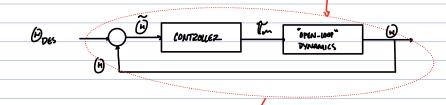
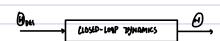
06 CLASSICAL CONTROL PEUIEN

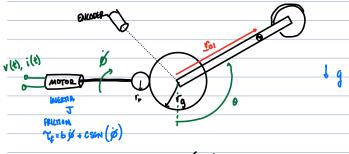


· CONTROL = MODIPYING DYNAMICS IN A DESCRED FACHION





1 DOF EXAMPLE (SP.VOZ MADVIE)



DYNAMICS FOR 1-DOF

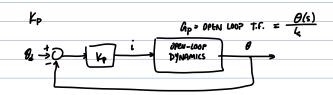
OF IN TERMS OF B

$$NT_{m} = (I + N^{2}J)\ddot{\theta} + m_{q} r_{o_{1}} S\dot{\theta}_{1} + bN^{2}\dot{\theta} + c N son(\dot{\theta}_{1})$$
INSERTA GRAVITY FILLETION

The deficient
$$S_1$$
 = Experts before S_2 = Experts before S_3 = Experts before S_4 =

CONTROL TECHNIQUES

PROPORTIONAL CONTROL



$$\frac{\Phi \left(1 + K_{P}G_{P}\right) = K_{P}G_{P}}{\Phi} = \frac{K_{P}G_{P}}{1 + K_{P}G_{P}} \qquad FEA$$

FEEDBALK FORMULA

$$\frac{\theta(s)}{\theta_{\theta}(s)} = k_{p} \frac{G_{p}}{1 + k_{p} G_{p}} = \frac{k_{p} A_{m}}{I_{\sigma} s^{2} + k_{e} s \cdot (k_{e} + k_{p} A_{m})}$$

STIFFNESS WE

CAN MODIFY

(CHANGING NATIVEAL FREAVENCY)

POOT LOCUS

GRAPH OF ALL CLOSED LOOP POLE LOLATIONS

· AS WE INCREASE Kp, Wd 1, Ts STAYS THE SAME

FOR A STEP INPUT IN GA

$$\frac{\partial}{\partial t} \left\{ \frac{\partial}{\partial t} = \frac{\partial}{\partial t} + \frac{\partial$$

WE WANT 10 INCREASE S.S. ERROR

. Is you have zero eppor, current will

NO LONGER FLOW => NEVER CORPECT