

resirced Characters ago

$$\frac{(s-u_1)(9-u_2)(s-u_2)}{(s+2-ju)(s+ju)(s+lo)} = \frac{s^2+v_1s^2+v_2}{(s+2)^2+lo)(s+lo)}$$

$$= \frac{(s^2+4s+20)(s+lo)}{(s+2+v_2)(s+lo)}$$

$$= \frac{(s^2+4s+20)(s+lo)}{(s+2+v_2)(s+lo)}$$

$$K = \left[\frac{\alpha_3 - \alpha_3}{\alpha_3}, \frac{\alpha_2 - \alpha_2}{\alpha_2}, \frac{\alpha_1 - \alpha_1}{\alpha_1}\right] T^{-1}$$
 (T=MW)
 $K = \left[\frac{2n\alpha - 1}{6\alpha - 5}, \frac{\alpha_2 - \alpha_2}{\alpha_2}, \frac{\alpha_1 - \alpha_1}{\alpha_1 - \alpha_1}\right] T^{-1}$ (state eqn is controllable earnormal for so $T = 1$)

Defing duired state feedback gari matrix X K = [K1 K2 K3]

The desire characteristics eg is |SI-A+BK = D

