mond pulation 4 725 7.5+1 1/92 7,5+1)(7,5+1) (7,5+1 ta Date: Page No. KOUVX

5

7

$$F_{2}$$
: manipulation
$$h_{2}(s) = \frac{(1+\frac{1}{T_{1}s})(1/\alpha_{2})}{1+(1+\frac{1}{T_{2}s})(1/\alpha_{2})} \quad h_{2}(s+1) \quad h_{3}(s+1)$$

$$\frac{1+(1+\frac{1}{T_{2}s})(1/\alpha_{2})}{1+(1+\frac{1}{T_{2}s})(1/\alpha_{2})} \quad h_{3}(s+1)$$

$$h_{2}(S) = k_{C} \left(\pm \pm \frac{1}{7 \cdot s} \right)^{-1} \frac{1}{A_{3} \cdot S} , h_{2}, s_{C}(S) \pm \frac{A_{2} \cdot S(7,5+1)}{1 + k_{C} \left(\pm \pm \frac{1}{7 \cdot s} \right)^{-1}} \frac{1}{A_{3} \cdot S}$$

$$(C) \quad \text{Set} \quad S \rightarrow 0 \qquad 0 \quad \text{Closed loop} \quad \text{Gain} = 4$$

$$f_{3}; \quad \text{In analphation} \quad \text{O Closed loop} \quad \text{In analphatical field} \quad$$

AZS

Fi; manipulation
$$\frac{1}{2}$$
 Closed loop gain $= 1$
Fi; manipulation $\frac{1}{2}$ Closed loop gain $= 1$
Fi; $\frac{1}{2}$ $\frac{1}{2}$