

A

B

HW

25

15

Midterm

25

25

Final

25

30

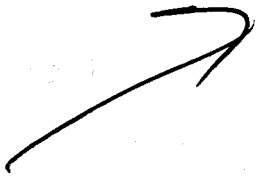
Project

25

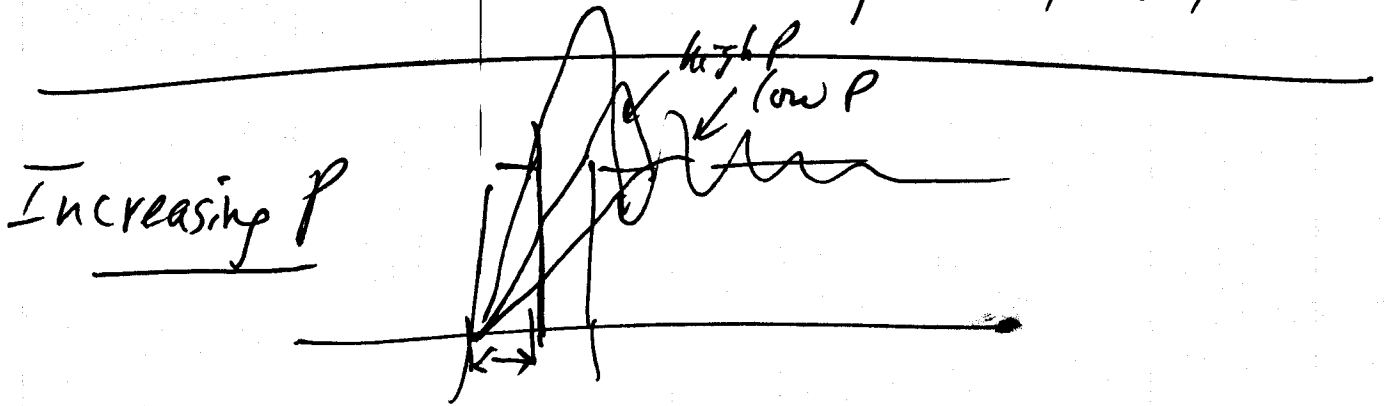
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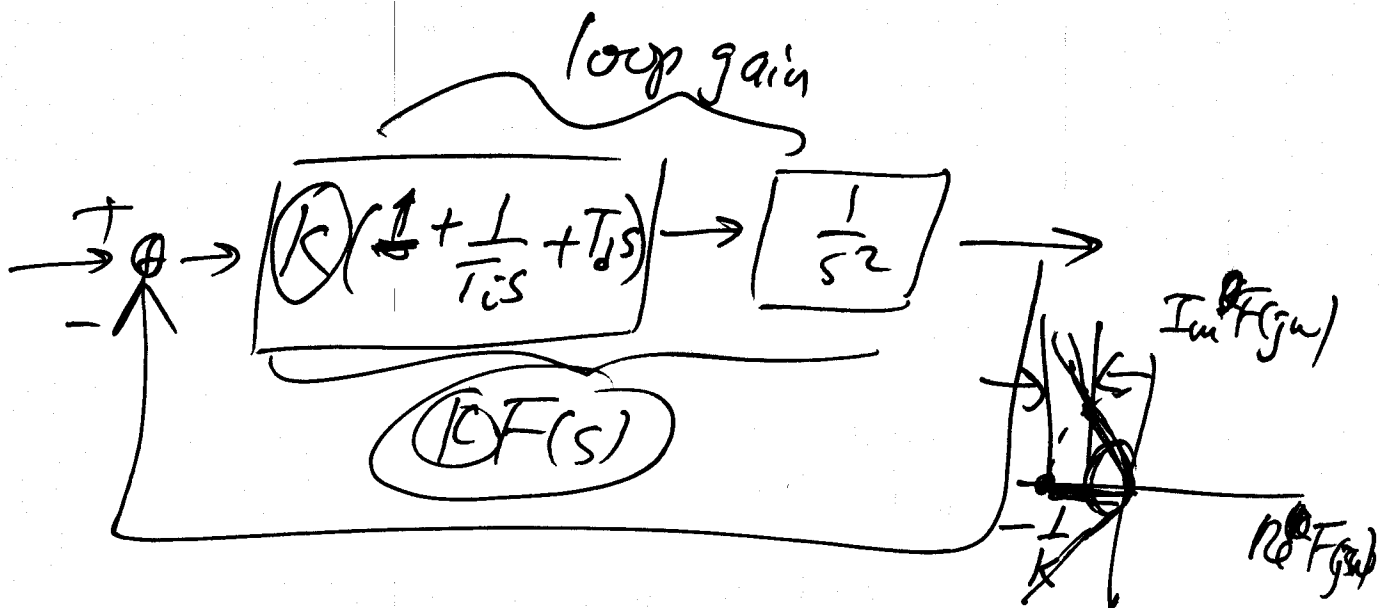
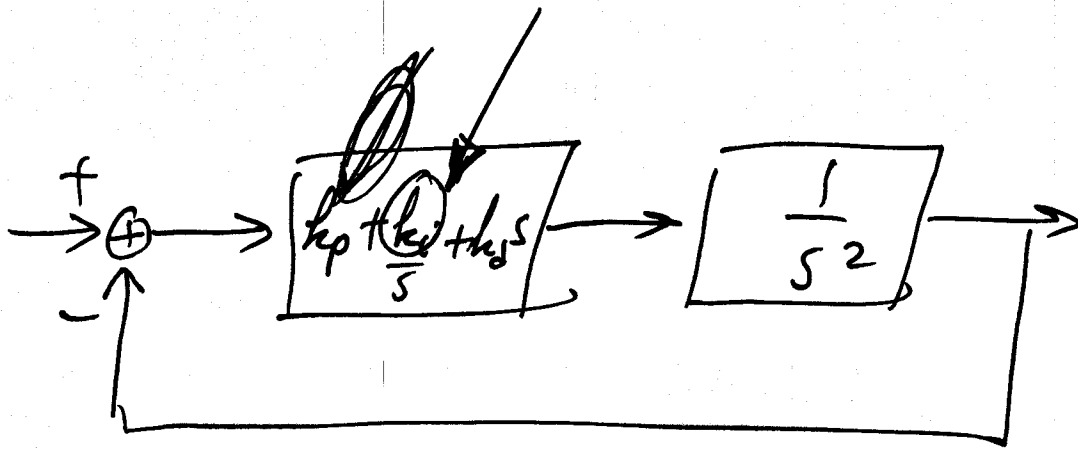
13

10

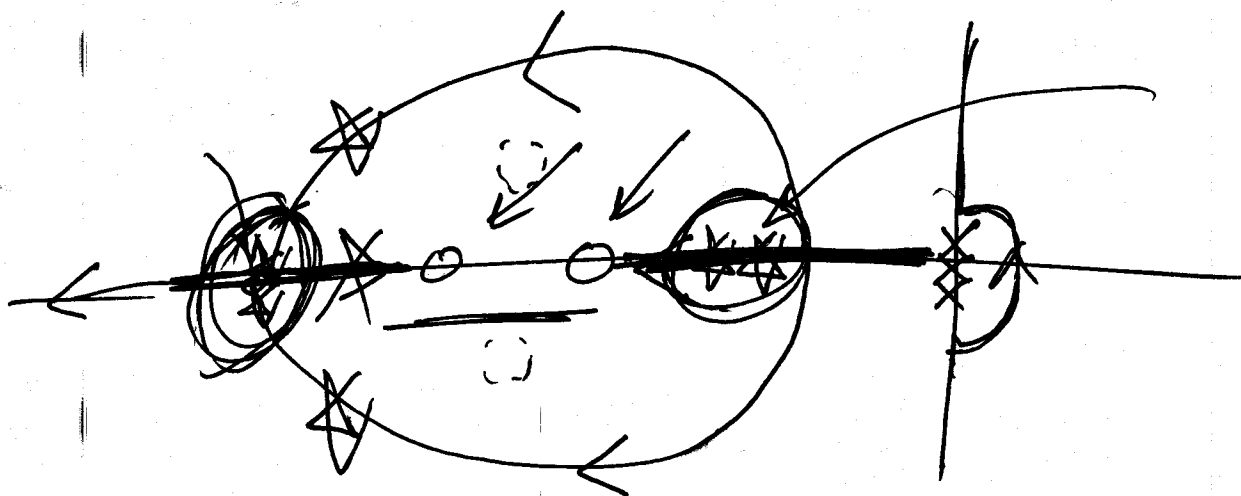


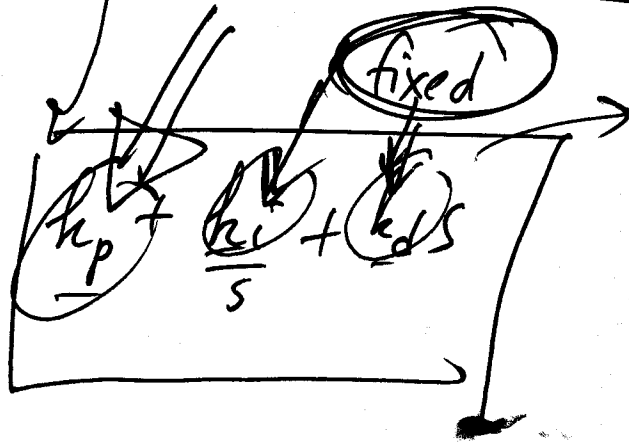
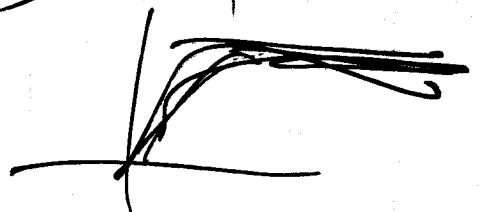
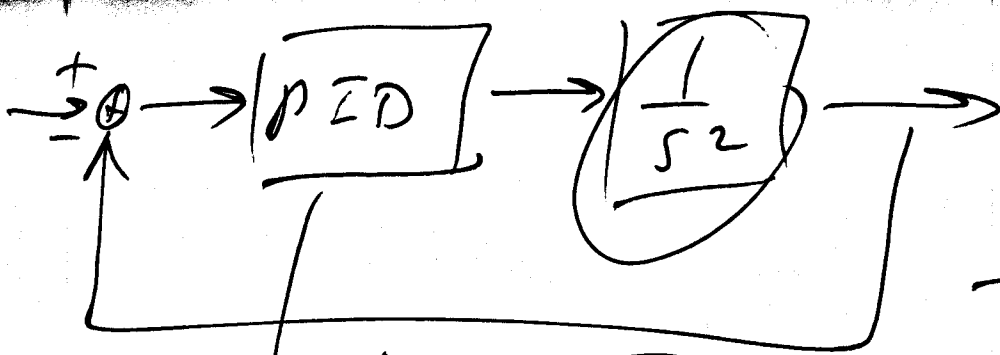
Midterm will be emailed &
posted next Monday 11/14/05
and due on Friday 11/18/05.





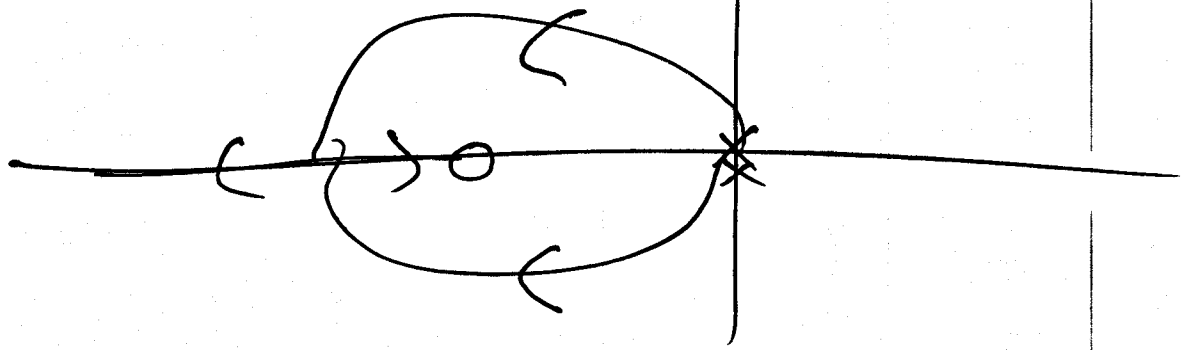
$$F(s) = \frac{1}{s^2} \left(1 + \frac{1}{T_i s} + T_d s \right) = \frac{T_i T_d s^2 + s + \frac{1}{T_i}}{T_i s^3}$$

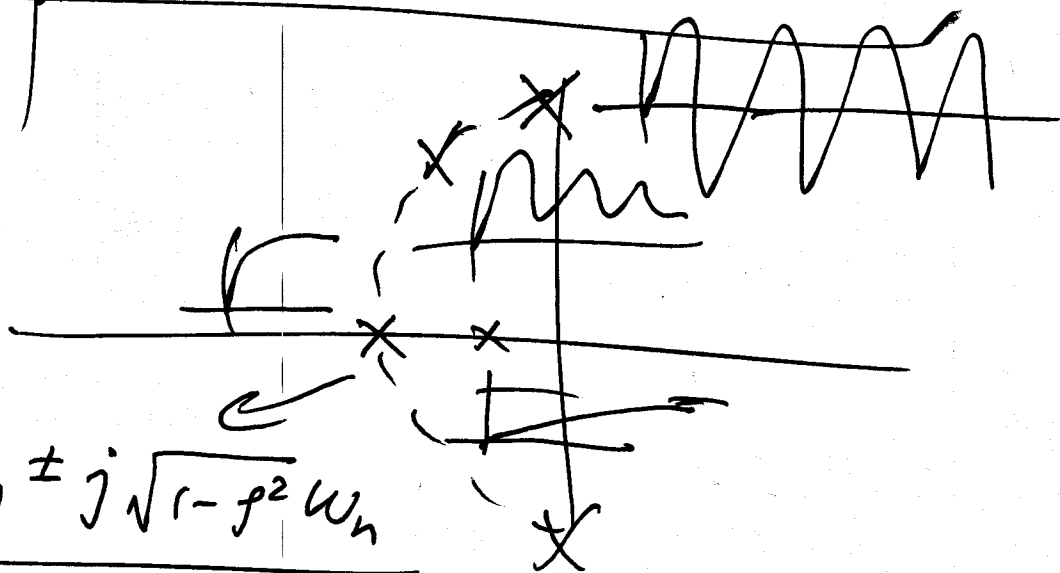
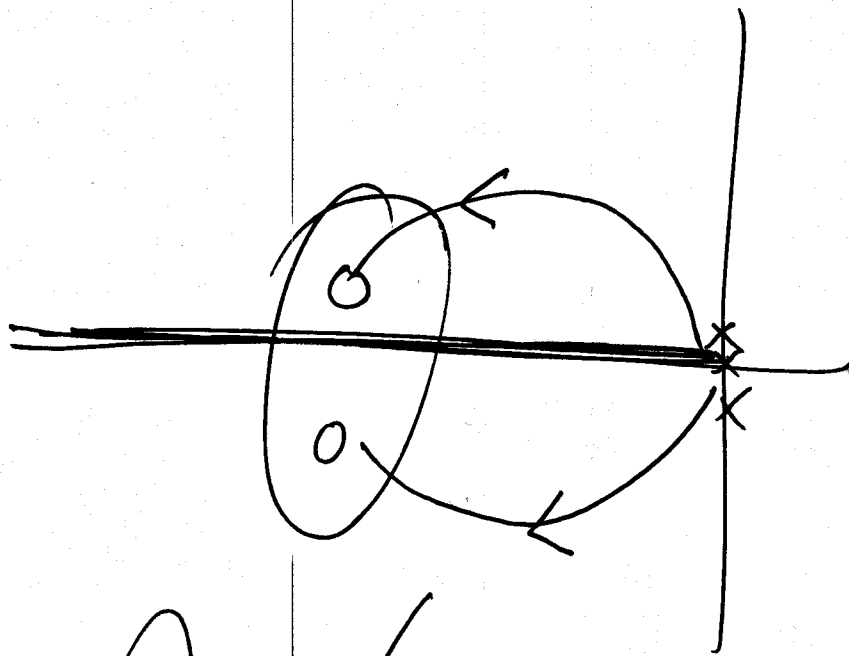




$$K \left(1 + \frac{1}{T_i s} + T_d s \right)$$

$$= \frac{K}{T_i} + \frac{K}{T_i} \frac{1}{s} + T_d K s$$





$$- \zeta \omega_n \pm j \sqrt{1 - \zeta^2} \omega_n$$