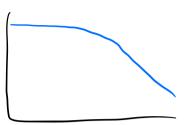
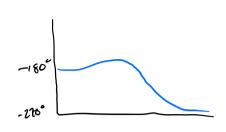
60L (5) - (5+ wa) (552+65-Fala)



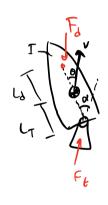


Ex. distion lend to control 0

Require: PM 70°, GM 10dB WBW >4 %

Attitude:
$$\frac{O(s)}{\chi(6)} = \frac{F_7 L_7}{1s^2 + bs - F_1 L_3}$$

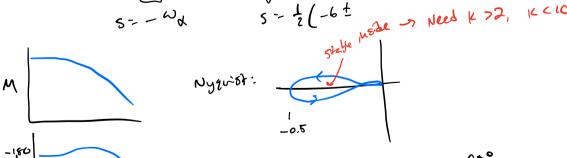
Thrust
$$\frac{d(s)}{dz(s)} = \frac{\omega_{\alpha}}{s_{\alpha}\omega_{\alpha}}$$



$$\theta_{r}(s)$$
 $\xi(s)$ $\xi(s)$

$$\Delta_{OL}(5) = (5+\omega_{d})(\frac{1}{5^{2}+b5}-F_{d}L_{d})$$

 $S=-\omega_{d}$ $S=-\frac{1}{2}(-6\pm$



1 -9

cascadad lends

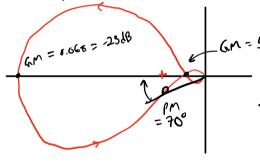
-) alls more poles, can add weird Vigher order behavior

- wort double lead: Design 45° lead

FINE gain 5.t 16. lead. lead = 1@46

- 166772 0 = 45° / 6+16

-> Keep ustry regarist (bade not quite right)



_

I can also see u/ root locus