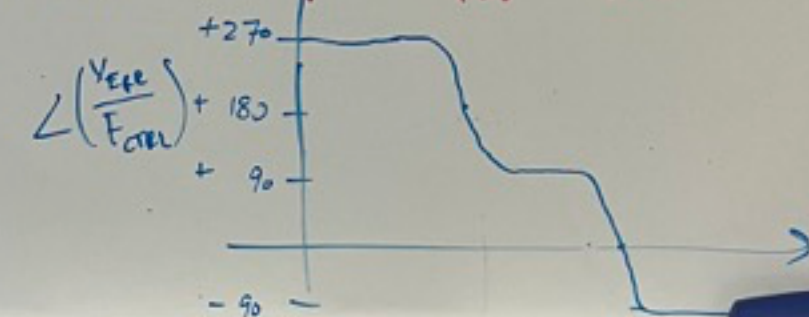
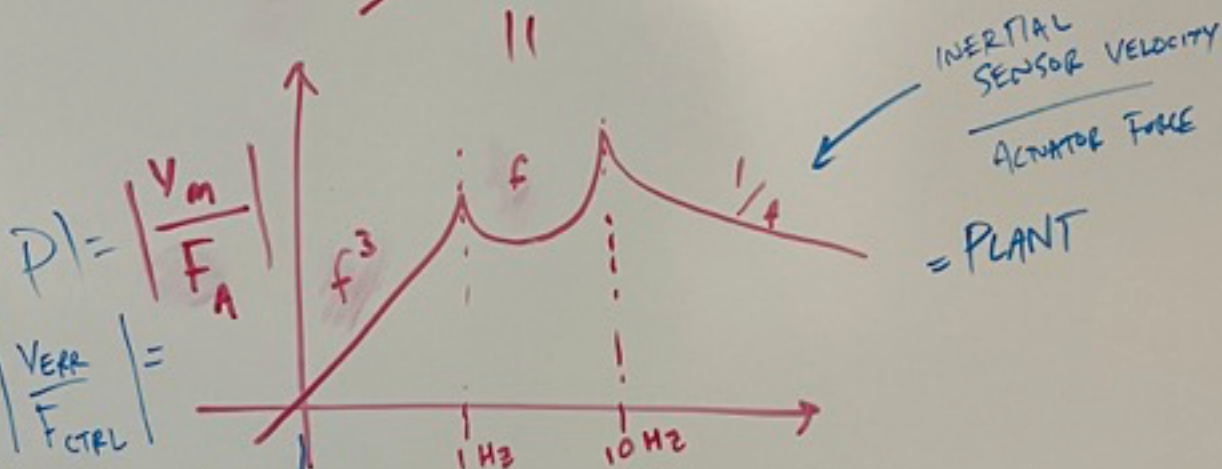
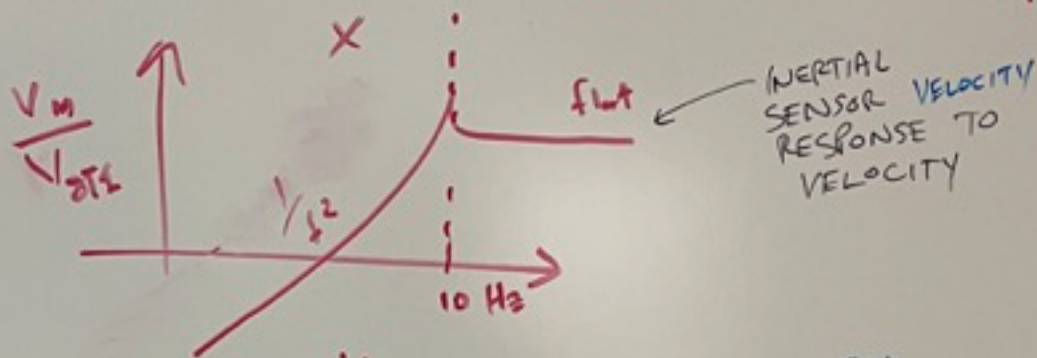
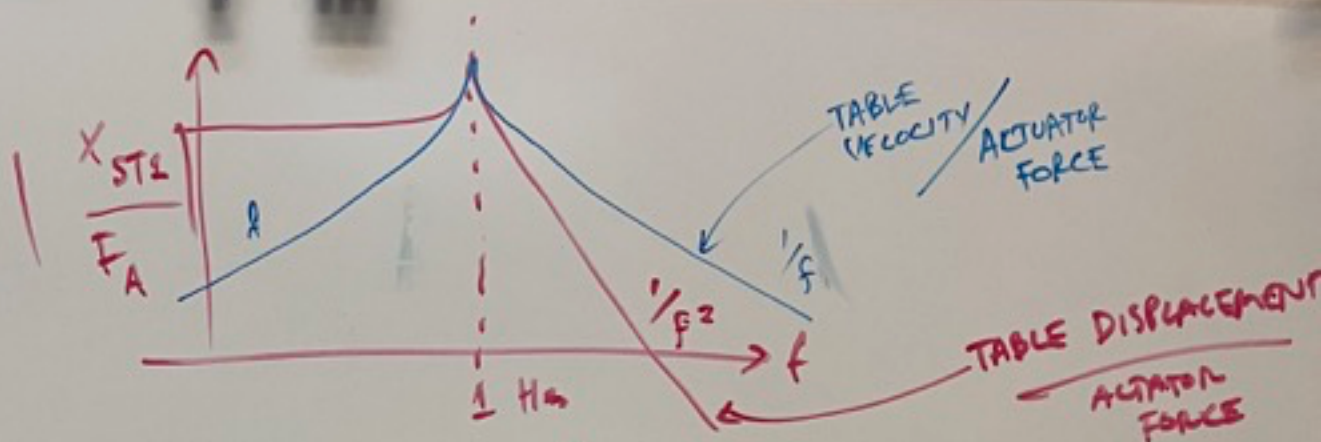
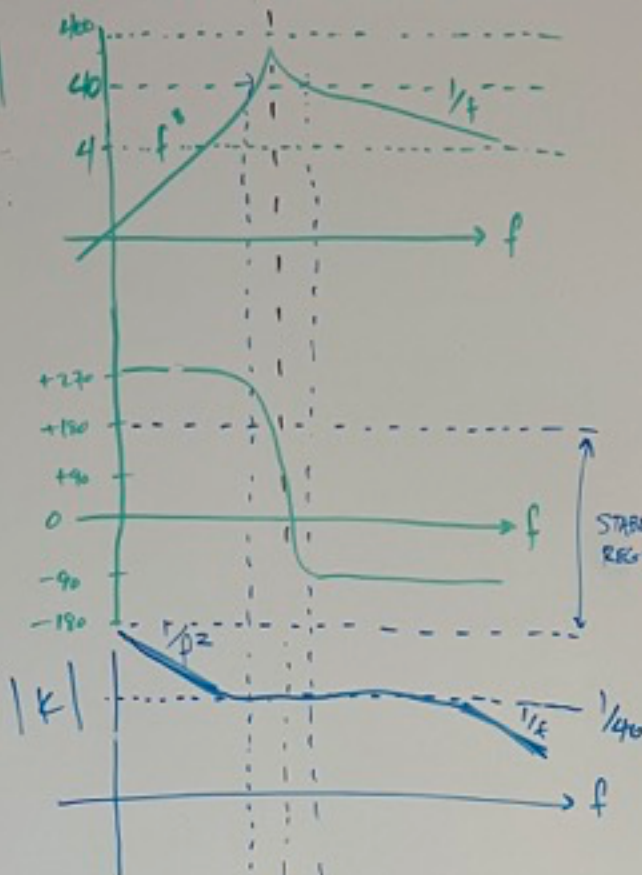


DIGITAL
ANALOG



$$|P^*A| = \left| \frac{V_{out}}{F_A} \right|$$

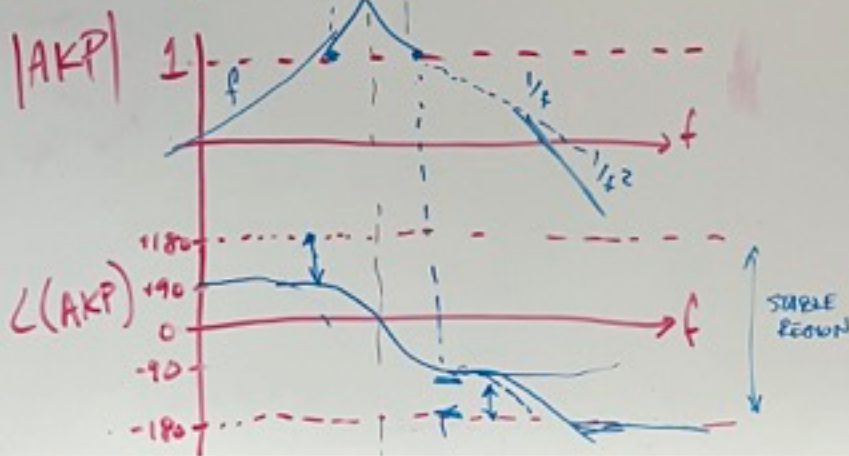
$$H = \frac{X \cdot Y^*}{X X^*}$$

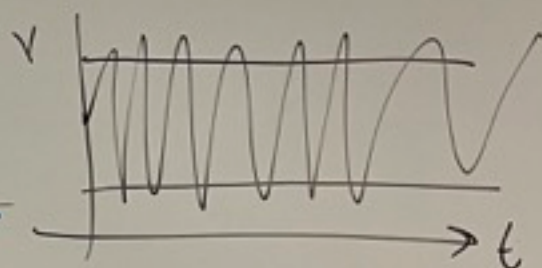
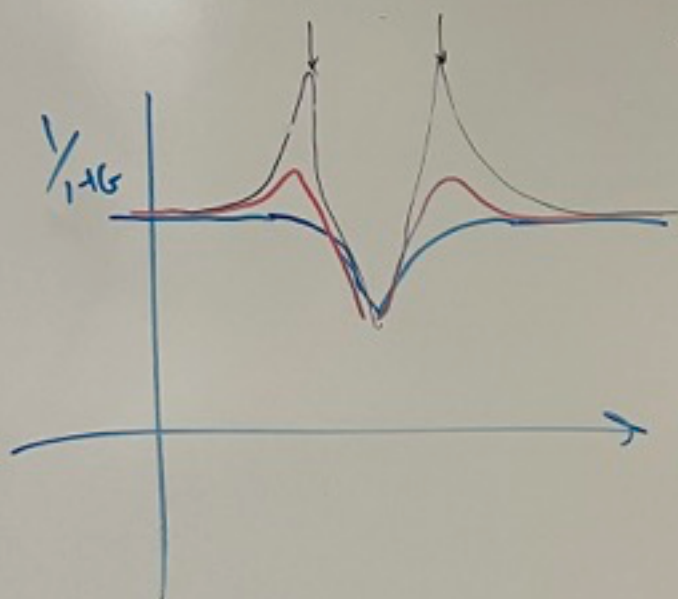
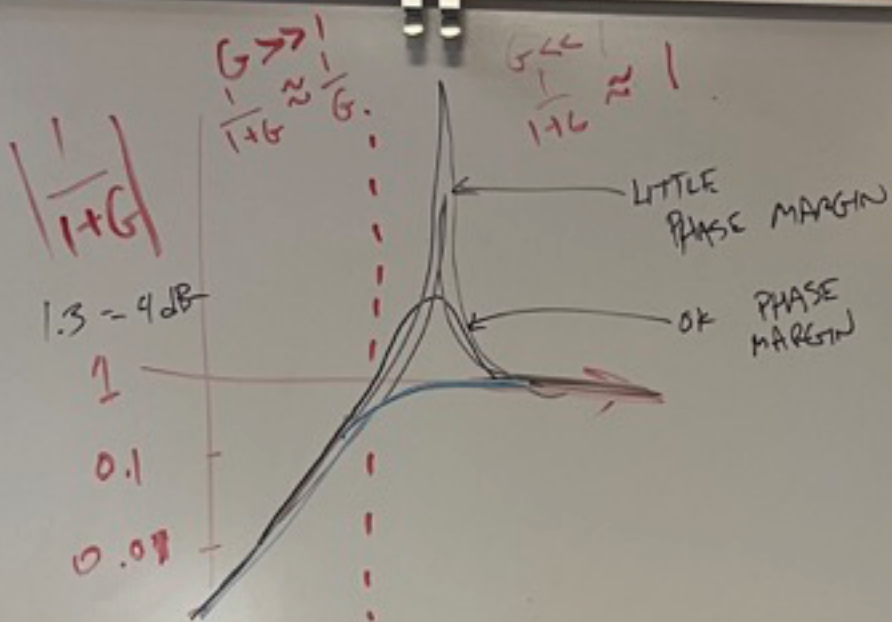


GOALS:

- DECREASE
- ROLL OFF
- STABLE

(FOR $G = -AKP$ OR $\frac{1}{1+G}$)

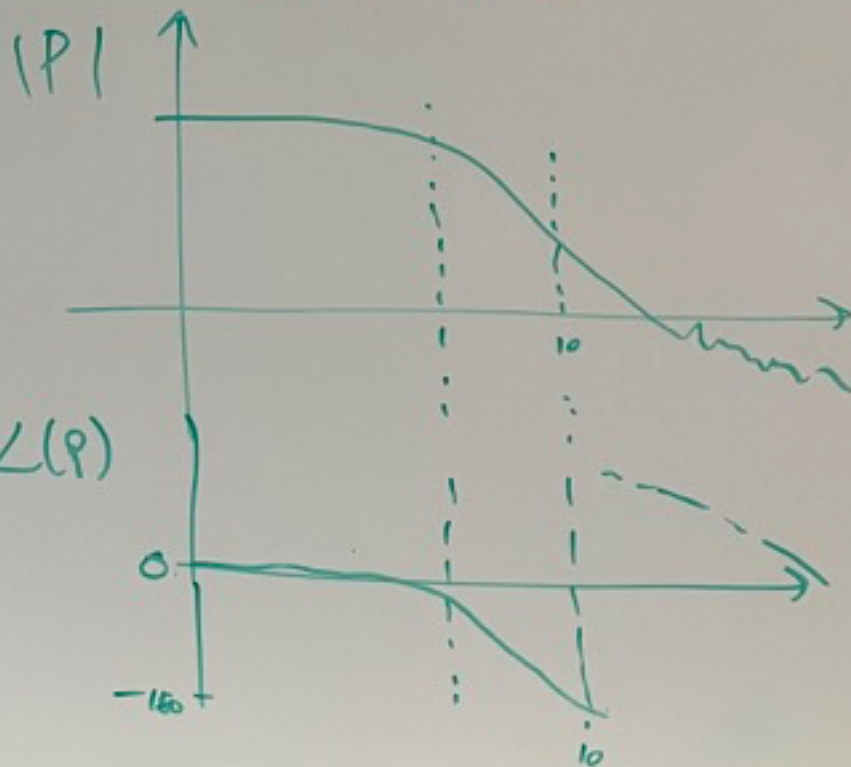
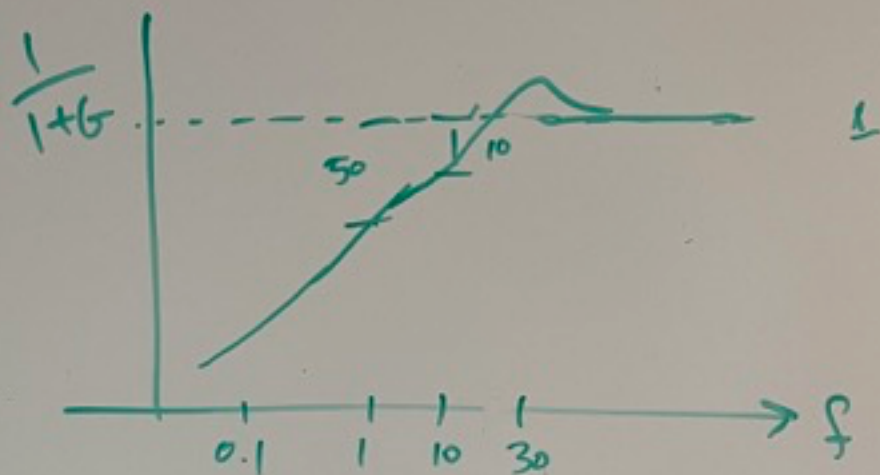




GOALS:

- DECREASE Q OF RESONANCE BY ~ 10
- ROLL OFF SENSOR NOISE OUTSIDE OF THAT REGION
- STABLE (UNCONDITIONALLY)

(FOR $G = -AKP$
OR
 $\frac{1}{1+G}$)



STABLE
REGION