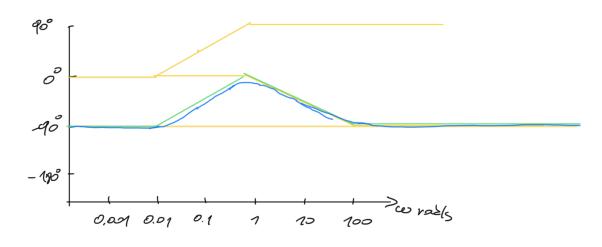
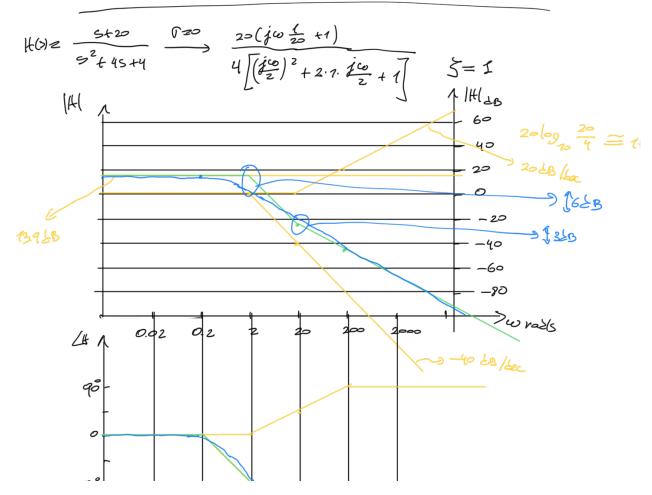
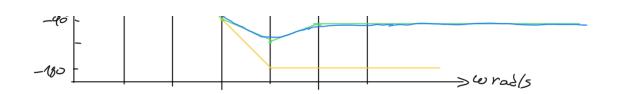
ECE 141

Lecture 14 $G(\omega) = 2 \frac{j\omega \frac{1}{01} + 1}{j\omega \left(j\omega \frac{1}{10} + 1\right)}$







Von-mum phose zeros

$$H_1^{(5)} = \frac{5+2}{5+1}$$
 $H_2^{(5)} = \frac{5-2}{5+1}$

$$\omega = \frac{1}{2} |j\omega \pm t| = 1$$
 $|j\omega (-\frac{1}{2}) + 1| = 1$
 $\omega \gg \frac{1}{2} |j\omega \pm t| = |j\omega \pm 1| = |j\omega \pm 1| = |j\omega \pm 1| = |j\omega \pm 1|$
No changes for magnification

$$w \gg \frac{1}{2} \left[j \omega \frac{1}{2} + 1 \right] \cong \left[j \omega \frac{1}{2} = 90 \right] \left[j \omega \left(-\frac{1}{2} \right) + 1 \right] \cong \left[-j \omega \frac{1}{2} = -90 \right]$$

