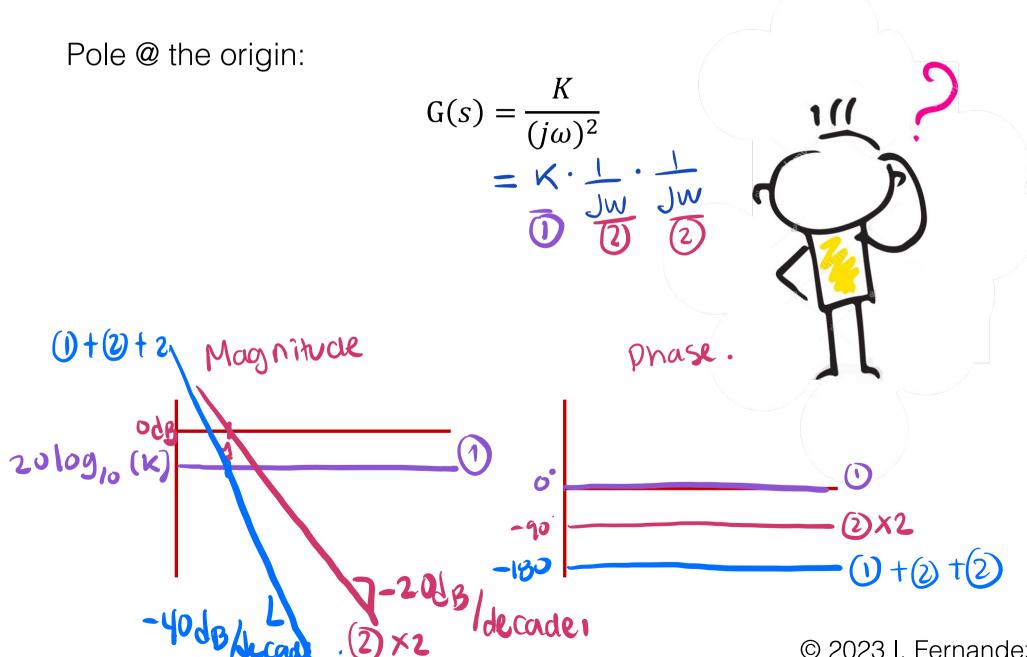
Last Class...





COLLEGE OF ENGINEERING

Bode Plot (Part 2)

Modules 5->

- Learning Objectives:
 - Generate magnitude frequency plots for high and low pass-filters.

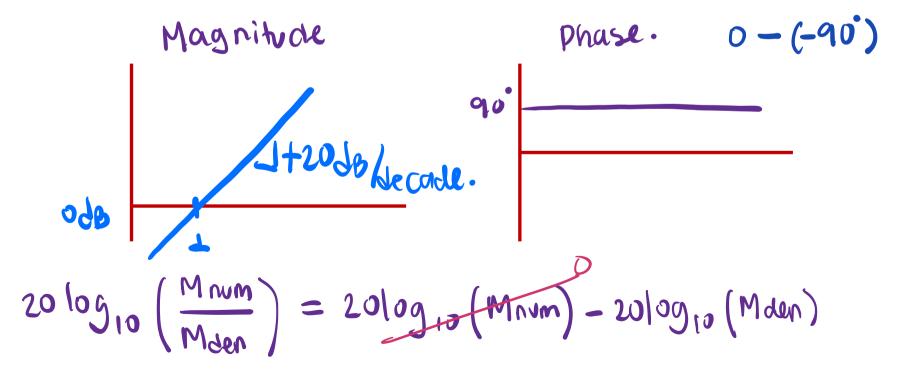


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Sketch a Bode Plot

Zero @ the origin:

•
$$H(s) = j\omega$$
 R pole @ origin



Sketch a Bode Plot

Real Pole:

•
$$H(s) = \frac{1}{1 + \frac{j\omega}{\omega_0}}$$

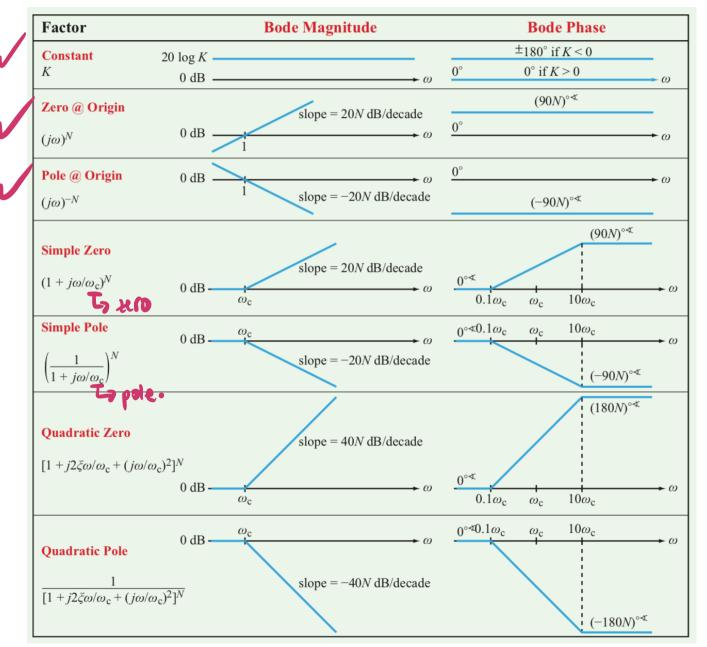
poles:
$$1 + \frac{x}{w_0} = 0$$

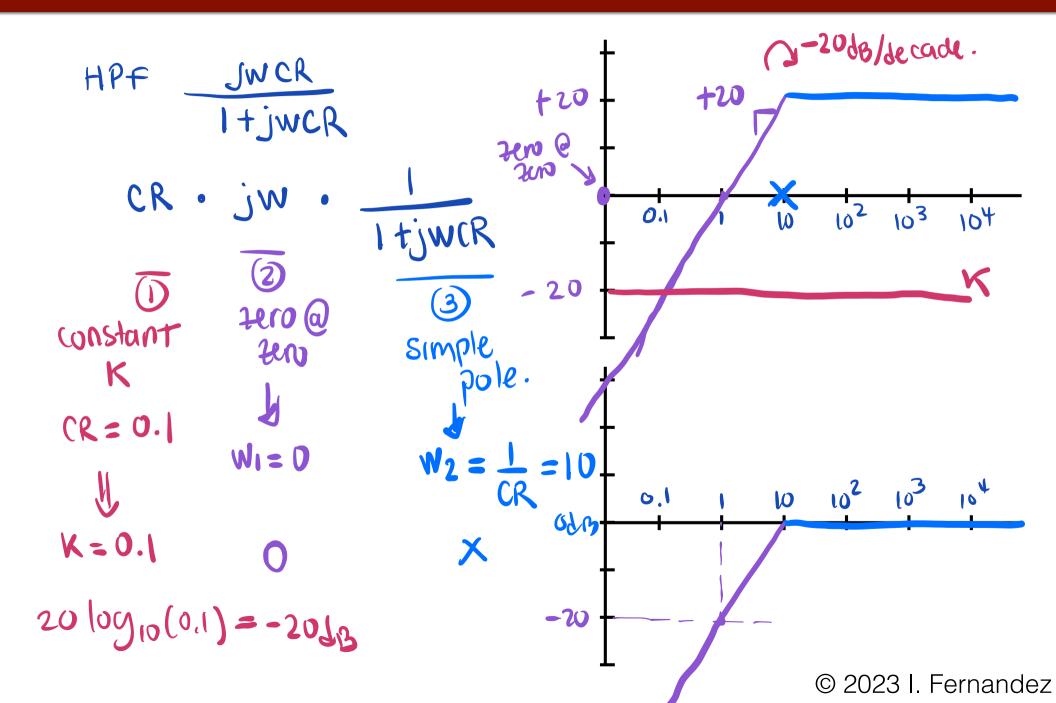
 $\frac{x}{w_0} = -1$
 $x = -w_0$
Griffical Grequences

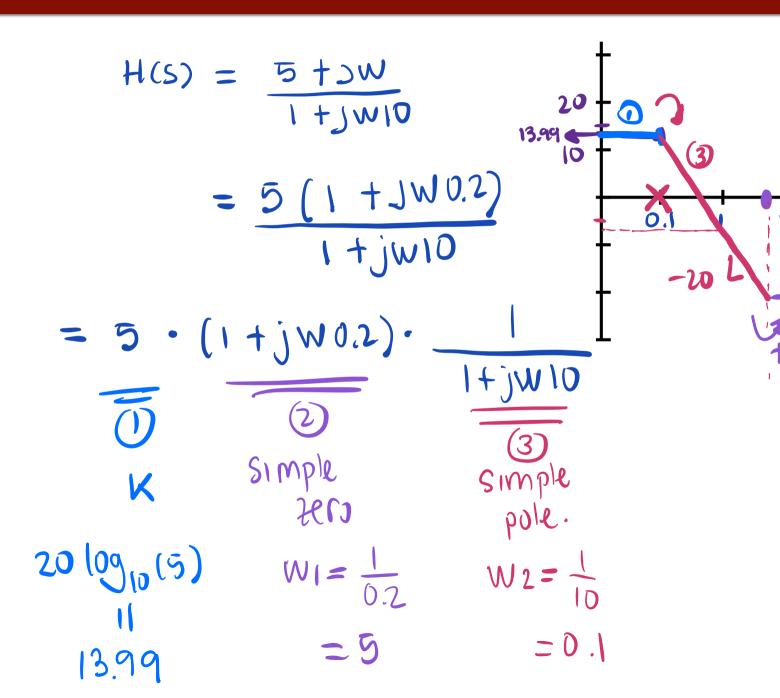


1+jw [[[

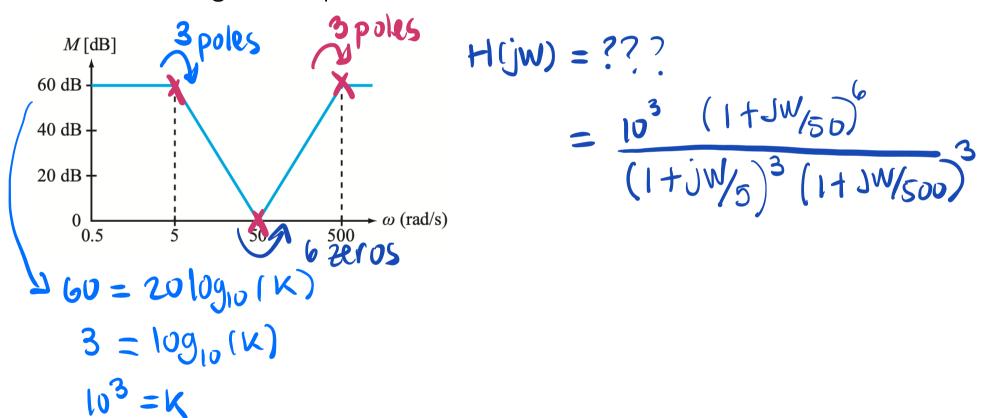
Sketch a Bode Plot







Determine the voltage transfer function $H(\omega)$ corresponding to the Bode magnitude plot shown



Example 4

