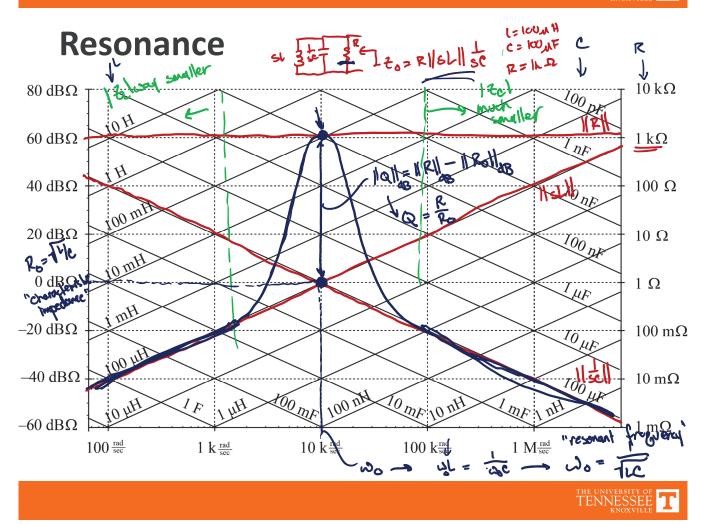
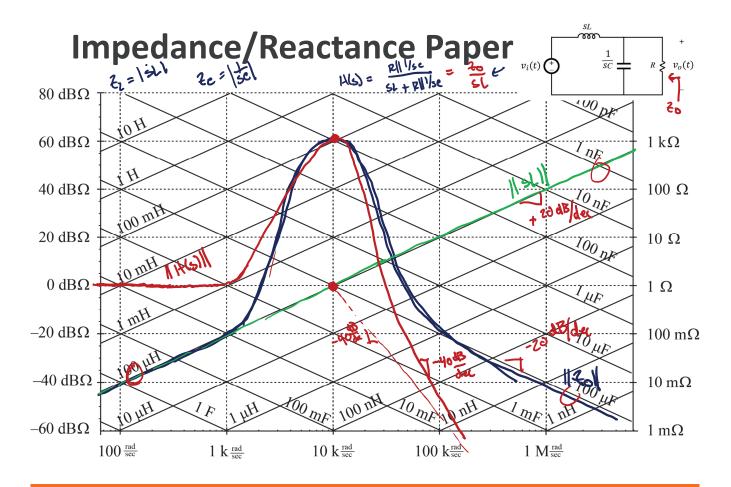
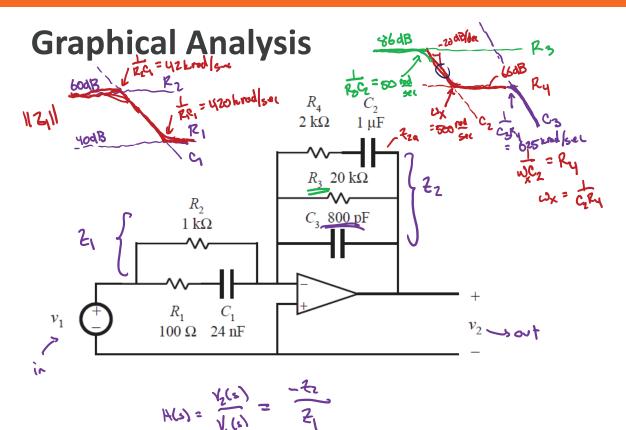
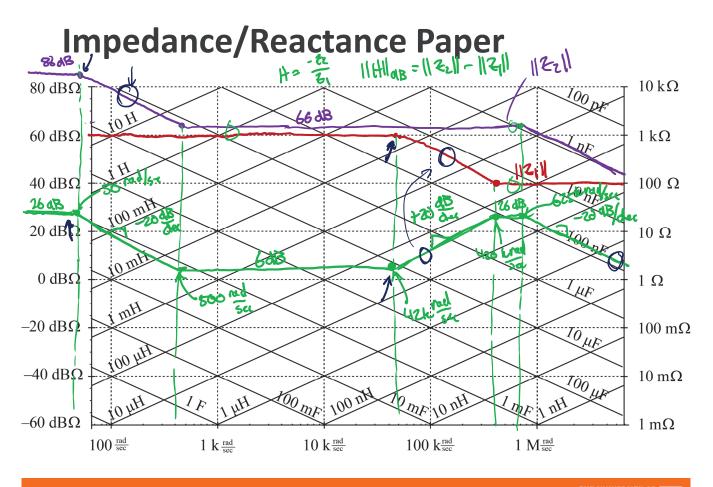
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Transfer Function Synthesis Have some $H(\omega) \neq want to realize it with a circuit$ if all poles <math>p zeros are real \Rightarrow eun use foit optimp, R, C $u_i(\theta) = \frac{z_i}{z_i}$ uses $H(s) = -\frac{z_i}{z_i}$ env asymptotes found down at 20dB/dei realized with Caps in $\frac{z_i}{z_i}$ any asymptotes form U and U and $\frac{z_i}{z_i} = \frac{b^2z_i}{z_i} = \frac{b^2z_i}{(z_i)^2} = \frac{b^2z_i}{b^2z_i}$ "Aeight depends on $|z_2|| - |z_1|| \Rightarrow H(s) = \frac{z_i}{z_i} = \frac{b^2z_i}{(z_i)^2} = \frac{b^2z_i}{b^2z_i}$ (general dealer in the small R \Rightarrow longe C increases power General dealer is longe R \Rightarrow small C increases noise sensitivity