



**ELECTRICAL & COMPUTER
ENGINEERING**
TEXAS A&M UNIVERSITY

Post-Lab 2: Second Order Circuits

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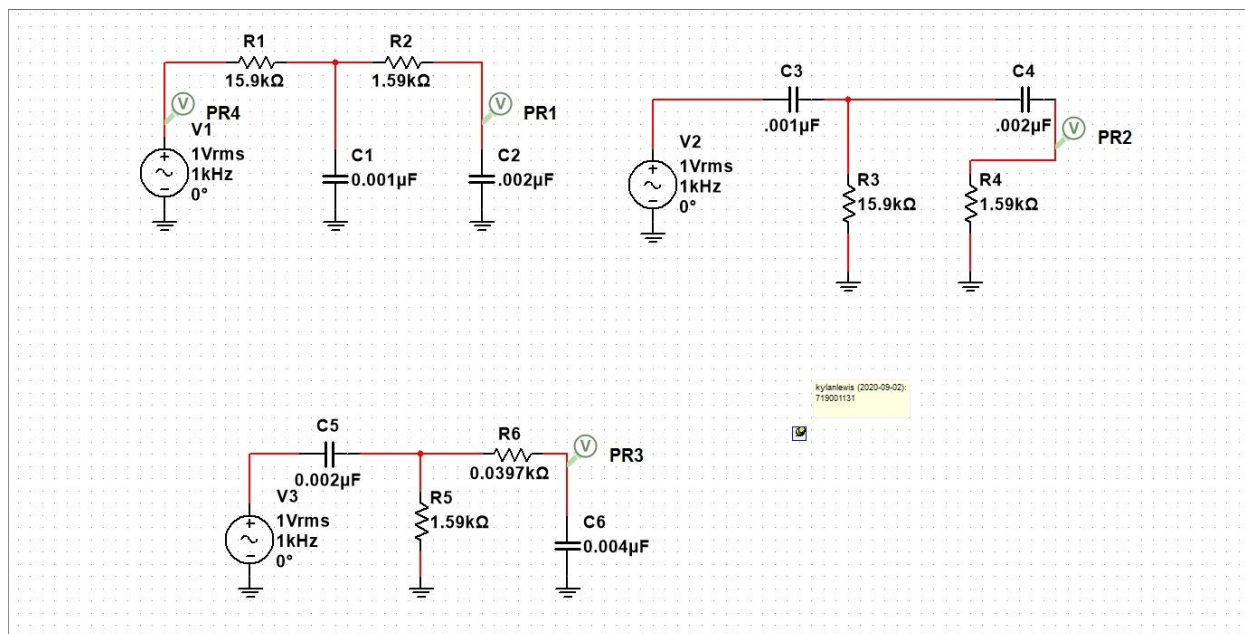
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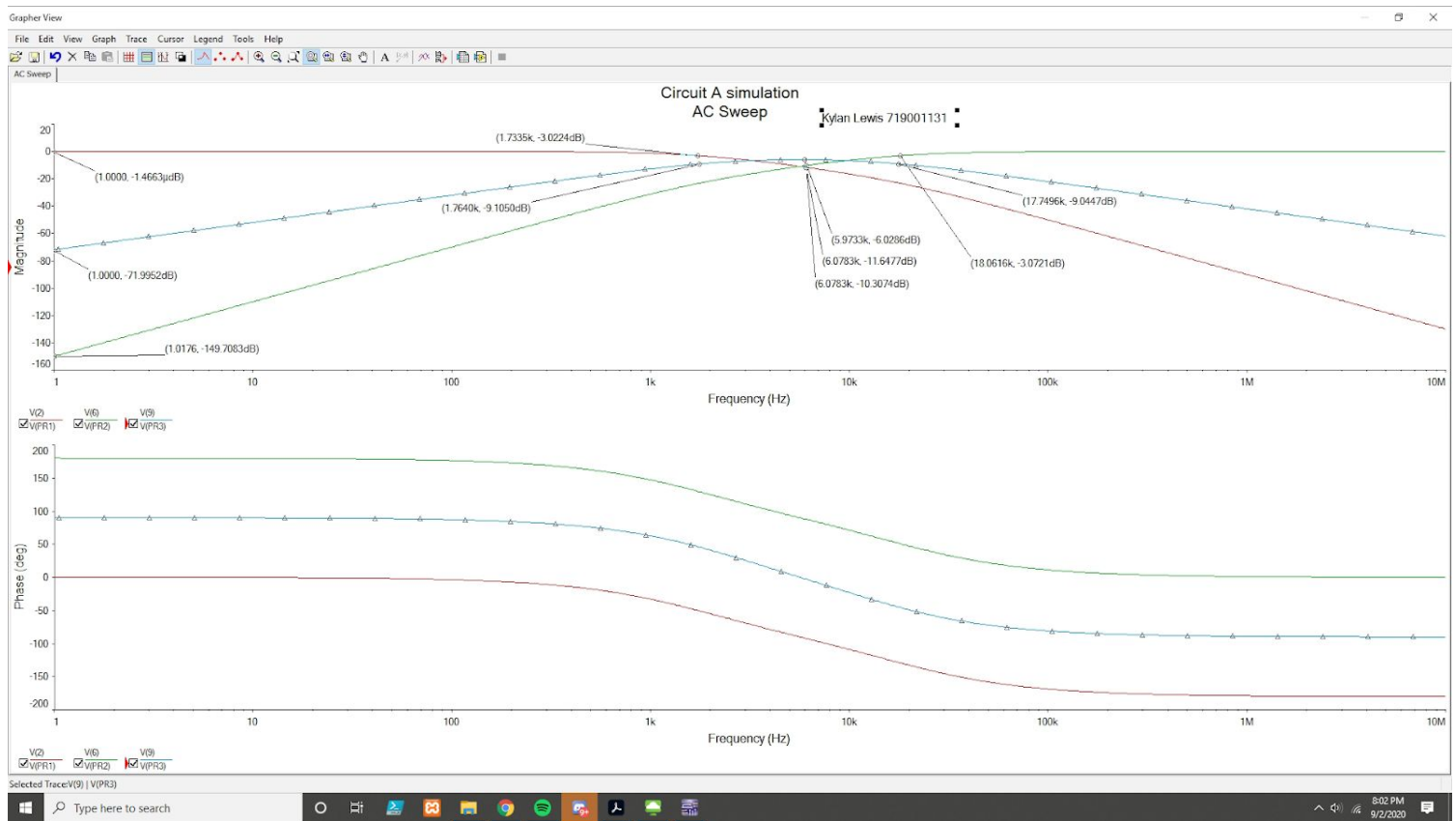
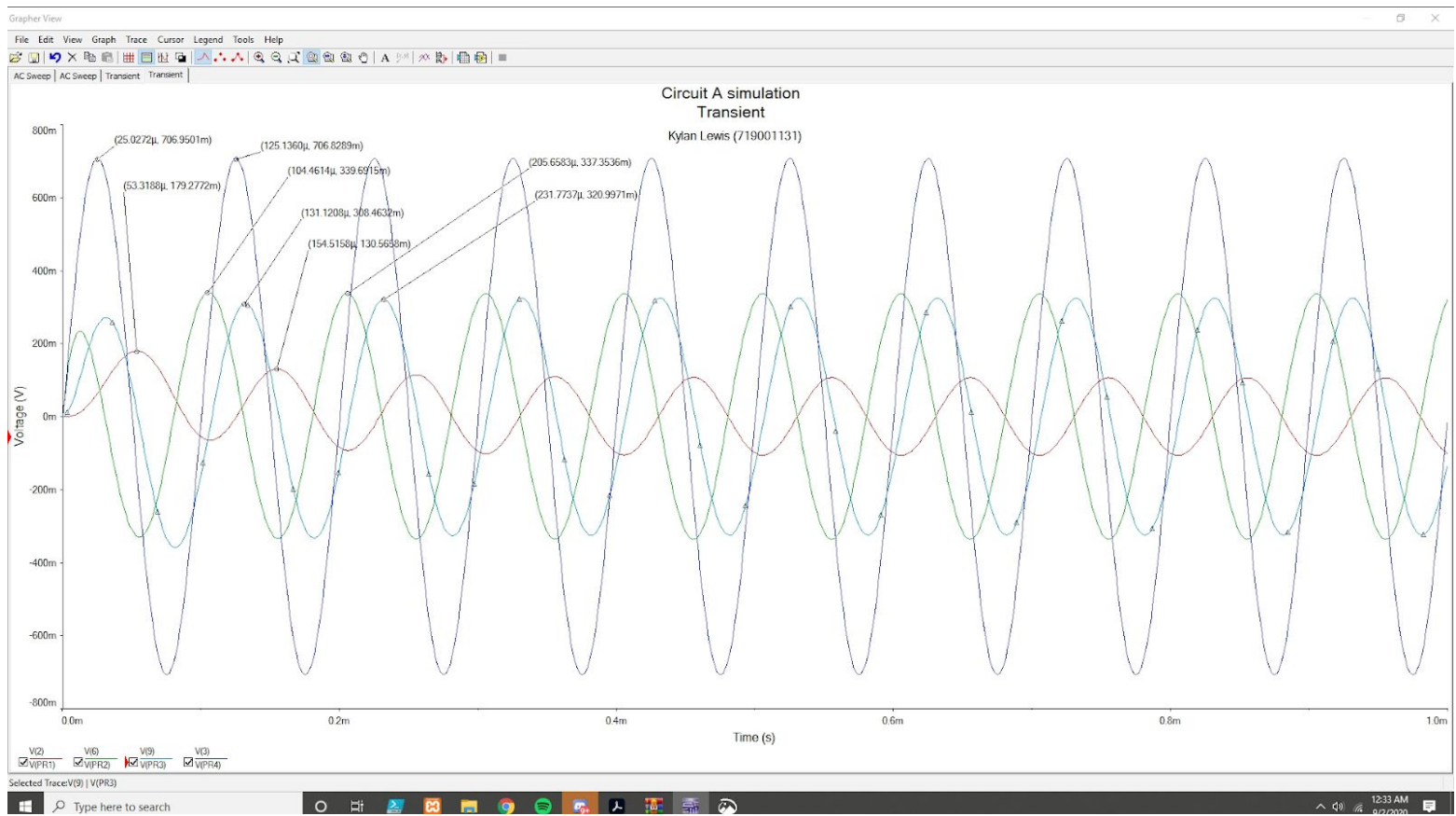
TA: Jian Shao

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Simulations:



1. Bode Plots of the transfer function

2. Input $V_I(t) = 0.5 * \sin(2\pi * 10000t)$ 

Question:

Why does the student in the video use a stop frequency that is 10 times higher than the second pole, while he was plotting the Bode plot with the network analyzer?

The reason that the student uses a stop frequency that is 10 times higher than the second pole is so that he can accurately view where the slope levels off. This is a good piece of advice when having to look at where the poles on the graph are because you don't want your view of the graph to cut off important information.