

Numerical simulations of Electric Circuits using SimPower Systems in Matlab-Simulink environment

Module ENEE2311 – Network Analysis I
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Simulation 1

Given the circuit in Fig. 1, simulate the circuit using Matlab/Simulink to measure the voltage V_o .

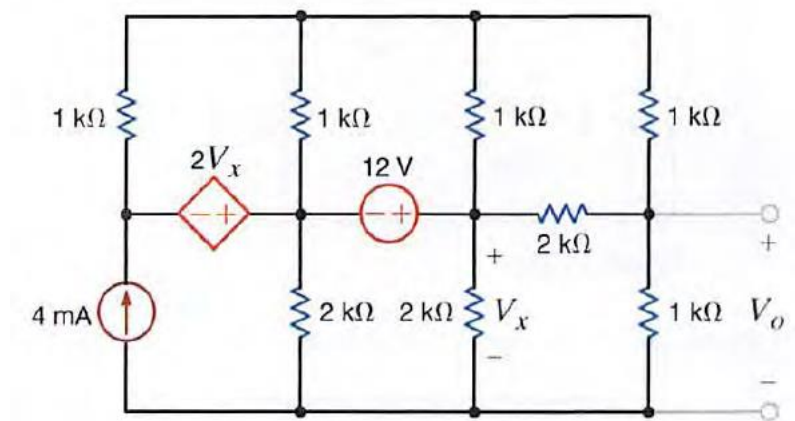


Fig. 1

Simulation 2

Given the circuit in Fig. 2, simulate the circuit using Matlab/Simulink

1. Plot the waveform of the current $v_o(t)$
2. Measure the magnitude and phase angle of $v_o(t)$

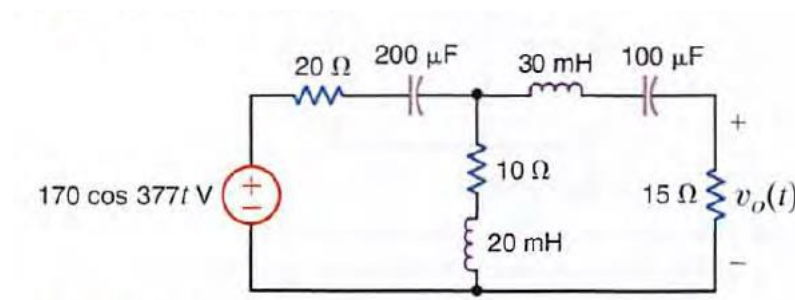


Fig. 2