Reactance and Resonance
Find $v_o(t)$ for $v_{in}(t) = 10\cos(\omega t) + 10\cos(2\omega t) + 10\cos(0.5\omega t)$ and $\omega = 2\pi 100$ kHz, $R = 10$ Ω, $L = 10$ μH, and $C = 253$ nF.
Example: WPT Problem
Numerical Example

mag = 28.0892

phase = -90.0000
Circuit Simulation