

ECET Homework 7

- (1) Use the Fourier transform to find $v_0(t)$ and $i_0(t)$ in the circuit in Fig. 1 if $v_g = 50 \text{sgn}(t)$ (V).

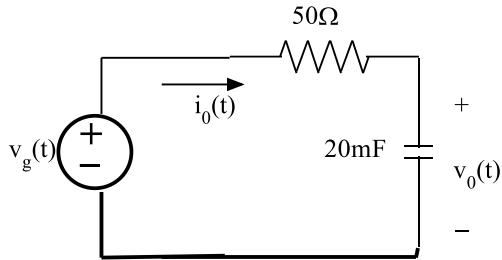


Fig. 1.

- (2) Use the Fourier transform to find $v_0(t)$ and $i_0(t)$ in the circuit in Fig. 2 if $i_g = 10 \text{sgn}(t)$ (A).

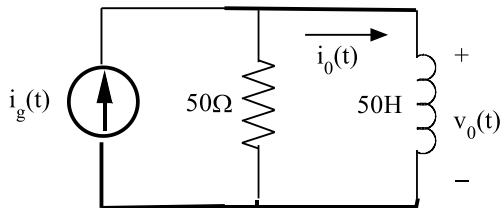


Fig. 2.