

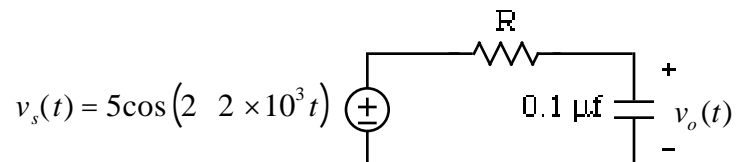
# ECE 209L - LAB 1 - SINUSOIDAL STEADY STATE RESPONSE OF FIRST ORDER RC CIRCUIT

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A.P. FELZER

## LAB OBJECTIVE

The objective of this lab is to compare the measured and calculated sinusoidal steady state response of the following first order RC circuit



PARTNER 1:  $R = 1K$

PARTNER 2:  $R = 2K$

## LAB RESULTS - PARTNER 1

1. Measured values of R and C
2. Parameters of  $v_s(t) = 5\cos(2 \cdot 2 \times 10^3 t)$ 
  - a. Amplitude =
3. Measured values of  $v_s(t)$  and  $v_o(t)$  as seen on the scope