Resonance Quick Sheet

Print Last Name giftakis Print First Name ben

Section_____ Date_____ TA_____

(1) **Values:**

C_1 (μF) = .1001 C_2 (μF) = .097

(2) Measurement with one capacitor.

C_1 (F) = 1.001E-7 F **Enter your result in scientific notation.**

f_0 = 2000 hz **Enter your result to 4 digits.**

(3) Measurement with capacitors in series.

C_{series} (F) = 4.93E-08 F **Enter your result in scientific notation.**

f_0 = 2900hz **Enter your result to 4 digits.**

(4) Measurement with capacitors in parallel.

$C_{parallel}$ (F) = 1.97E-7 F **Enter your result in scientific notation.**

f_0 = 1400hz **Enter your result to 4 digits.**

(5) Results.

L_{exp} (mH) = 56.98

% difference = 9.55%