Communication
- IEEE single column, double spaced format, title, author, etc. (–20 pts if not used)
Style (written in the style of article, rather than disjointed figures and tables)
English (grammar, punctuation, and etc.)
Clarity (purpose of each section clearly explained)
Succinctness and precise wording (detailed information in as few words as possible)
Organization (ease of locating figures/code/equations/etc.)
Section numbers and headings (use section numbers shown below)
Figures complete (every figure numbered, captioned, and referred to in text)

Abstract (succinct summary of results, including numerical values as appropriate)

I. INTRODUCTION
Motivation/background for filter [e.g., altering music]
Circuit overview [schematic and brief description of how circuit works]
Report organization [briefly describe contents of sections that follow]

II. FILTER CIRCUIT DESIGN
Explanation that filter uses two resonances, series and parallel to achieve desired response
Presentation and explanation of equation for \( C_1 \) and calculated \( C_1 \)
Presentation and explanation of equation for \( C_2 \) and calculated \( C_2 \)

III. CHARACTERIZATION OF FILTER FREQUENCY RESPONSE
Description of how component values were measured
Table listing component values
Presentation of Matlab® plot showing ideal, predicted, and measured frequency response

IV. EFFECT OF FILTER ON TRIANGLE WAVE
Presentation of Matlab® plot of 1 kHz input triangle wave and filter output waveform
Explanation of filter output waveform

CONCLUSION (summarize key results; include numerical values as appropriate)