



30	Communication
–	IEEE single column, double spaced format, title, author, etc. (–20 pts if not used)
5	Style (written in the style of article, rather than disjointed figures and tables)
5	English (grammar, punctuation, and etc.)
5	Clarity (purpose of each section clearly explained)
3	Succinctness and precise wording (detailed information in as few words as possible)
3	Organization (ease of locating figures/code/equations/etc.)
3	Section numbers and headings (use section numbers shown below)
3	Equations explained (at least one sentence between equations)
3	Figures complete (every figure numbered, captioned, and referred to in text)
5	Abstract (succinct summary of results, including numerical values as appropriate)
12	I. INTRODUCTION
6	Motivation/background for filter [e.g., altering music]
4	Circuit overview [schematic and brief description of how circuit works]
2	Report organization [briefly describe contents of sections that follow]
18	II. FILTER CIRCUIT DESIGN
8	Explanation that filter uses two resonances, series and parallel to achieve desired response
5	Presentation and explanation of equation for C_1 and calculated C_1
5	Presentation and explanation of equation for C_2 and calculated C_2
22	III. CHARACTERIZATION OF FILTER FREQUENCY RESPONSE
10	Description of how component values were measured
6	Table listing component values
6	Presentation of Matlab® plot showing ideal, predicted, and measured frequency response
8	IV. EFFECT OF FILTER ON TRIANGLE WAVE
4	Presentation of Matlab® plot of 1 kHz input triangle wave and filter output waveform
4	Explanation of filter output waveform
5	CONCLUSION (summarize key results; include numerical values as appropriate)