



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)
10	I. INTRODUCTION
6	Motivation/background for spriogravitator circuit [e.g., creating signals 90° out of phase]
2	Circuit overview [schematic and brief description of how circuit works]
2	Report organization [briefly describe contents of sections that follow]
28	II. ANALYSIS AND DESIGN OF SPIROGRAVITATOR CIRCUIT
12	Derivation of $V_0(s)$ and $V_1(s)$
4	Presentation and explanation of formula for α in terms of circuit component values
4	Presentation and explanation of formula for β in terms of circuit component values
8	Presentation and explanation of calculated component values R_1 , R_2 , R_3 , and C_1
22	III. CONSTRUCTION AND TESTING OF SPIROGRAVITATOR CIRCUIT
6	Presentation of figure showing Matlab® plot of predicted and measured double spirals
4	Presentation of figure showing Matlab® plot $v_0(t)$ and $v_1(t)$ (plotted versus t)
12	Presentation and explanation of measured values for α , β , ψ , a , b , and c
5	CONCLUSION (summarize key results; include numerical values as appropriate)