



<b>30</b>	<b><i>Communication</i></b>
-	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)
<b>5</b>	<b><i>Abstract</i></b> (succinct summary of results, including numerical values as appropriate)
<b>8</b>	<b>I. INTRODUCTION</b>
6	Motivation for lab [create oscillator circuit, measure critical fusion frequency]
2	State report organization [briefly describe contents of sections that follow]
<b>24</b>	<b>II. SCHMIDT TRIGGER WITH RC INPUT (Lab 2 Section VII)</b>
	A. <i>Circuit Operation</i>
2	Introduce section [purpose is to explain Schmidt trigger circuit; include Fig. 5]
4	Explain operation of Schmidt trigger circuit [include Fig. 6 and Fig. 7]
2	Explain operation of Schmidt trigger circuit with RC circuit [include Fig. 8]
	B. <i>Calculated and Measured Waveform</i>
10	Calculation of delay time between square wave input and square wave output
6	Describe experiment with measured $v_2$ and $v_0$ [include Matlab plot from VII.3]
<b>24</b>	<b>III. OSCILLATOR CIRCUIT (Lab 2 Section VIII)</b>
	A. <i>Circuit Operation</i>
2	Introduce section [purpose is to explain oscillator circuit; include Fig. 9]
6	Explain operation of oscillator circuit
	B. <i>Calculated and Measured Waveform</i>
10	Derivation of symbolic expression for how long each half-cycle of square wave will last
6	Describe experiment with measured $v_2$ and $v_0$ [include Matlab plot from VIII.3]
<b>4</b>	<b>IV. CRITICAL FUSION FREQUENCY (Lab 2 Section VIII.C.4)</b>
2	Describe procedure for measuring critical fusion frequency (CFF)
2	Give measured value of CFF
<b>5</b>	<b>CONCLUSION</b> (summarize key results; include numerical values as appropriate)