

Grading criteria - based on critique sheet:

- [1]___1. Abstract: Does it briefly and succinctly summarize the paper?
- [2]___2. Is the paper well organized, clear, double-spaced, and written in 12-point font? Does the paper adhere to standard scientific paper format? (See examples in the *American Journal of Physics*)
- [5]___3. Does the writing flow well (if it reads like a recipe in a cookbook, then it does not flow well!)? Is the presentation logical, critical, and thoughtful? Is the topic appropriate? Is the physics appropriate, accurate, and rigorous? Is the theory appropriately and accurately discussed? Are the experiment and the experimental apparatus adequately described?
- [2]___4. Are there punctuation, spelling, and/or grammar problems?
- [1]___5. Where appropriate, are data presented in clear tables and with well-labeled and titled, computer-generated graphs? Are all diagrams computer-generated? Are the figures of a reasonable size?
- [3]___6. Is the conclusion well-formulated and thoughtful? Does the writer give suggestions for improving on what is discussed in the paper and/or in the original sources? Are there suggestions for future research directions?
- [2]___7. Are references to the original sources cited properly? Do the endnotes follow the format required for submissions to *the American Journal of Physics*? Are there at least two sources?
- [16] _____ = Total

NOTE: [2] Additional points will be given for your critique, so the total possible points will be out of [18].

Additional Note: As usual with college-level work, plagiarism will result in zero credit.