

PHYS 210 - General Physics I

Grading criteria - based on critique sheet:

Paper author _____

Critiqued by _____

- [1]___ 1. Abstract: Does it briefly and succinctly summarize the experiment and the results?
- [4]___ 2. Is the paper well organized, clear, logical, double-spaced, and written in 12-point font? Is the science complete and understandable? Are the physical arguments correct and reasonable?
- [2]___ 3. Does the paper adhere to standard scientific paper format? (There are several possibilities here. For example, the format might be *Introduction, Theory, Experiment, Results* or *Introduction, Experimental Design, Discussion of Results, Conclusion*, among other possibilities) Is the theory thoroughly outlined? Are sections clearly indicated and appropriate?
- [2]___ 4. Are there punctuation, spelling, and/or grammar problems?
- [2]___ 5. Where appropriate, are data presented in clear tables and with well-labeled, computer-generated graphs? Are all diagrams computer-generated?
- [2]___ 5. Are the results clearly stated and with appropriate uncertainties? Is a discussion of the uncertainties given in light of other results or of expectations?
- [2]___ 6. Is the conclusion well-formulated and thoughtful? Are the results clearly stated (with uncertainties) and compared to expected values? Does the writer give suggestions for improving the experimental design or mathematical modeling?
- [2]___ Critique of lab paper by _____.
- [1]___ Electronic copy of final paper sent to Dr. Clark via e-mail: use filename *PHYS210LabPaper.XXX.docx* where XXX = your initials.
- [18] _____ = Total*

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