

PHYS328W: Guidelines for Brief Reports

Writing

1. Use clear, precise, objective language. Replace or supplement ambiguous language like “acceptable” or “pretty good,” with language that describes what you mean.
2. Effectively integrate equations and references to figures and tables into your writing. They are part of the story.
3. Organize your sentences and paragraphs in a coherent, logical sequence.

Analysis and Reasoning

1. Report on your analysis to the extent indicated in the Products section of the lab assignment. *In many cases, this may simply be an scan or image of calculations done in your log book.*

2. Address uncertainties as indicated in the lab assignment.

We do not emphasize uncertainties very much in the electronics context, where agreement between measurement, theory, and simulation is generally quite good, and much of the time, devices are designed to allow for operating parameters to vary within acceptable ranges. This is not an invitation to develop the habit of ignoring uncertainties in general!

3. Commentary

- (a) Comment on the agreement of your results with theory/established results.
- (b) Only make claims supported and accompanied by compelling evidence.

Mechanics

1. Figures and Tables

- (a) Label the axes of all of your graphs. Include units.
- (b) Include captions with all figures and tables, and refer to each figure and table at least once in the text of your paper. Use the \LaTeX `\label{}` and `\ref{}` commands to manage figure and table references.

2. References

- (a) Bibliography format: Table I of <http://forms.aps.org/author/styleguide.pdf>.
- (b) Use the \LaTeX `thebibliography` environment and `\cite{}` commands to produce numbered citations. List references in the order of first citation in your paper.

3. Include units and uncertainties with all measurements and results derived from them.
4. Find and fix grammar, punctuation, spelling, and typesetting errors.