

Written Papers

- Objective
- Style
- Content
 - Abstract, Introduction, Theory, Experiment, Results, Data, Conclusions and Reference
- Marking

Objective

Present your results and conclusions in an interesting and convincing manner

- Show the merit of your work
- Provide and share new knowledge
- Show competence and understanding

APS Format

- American Physical Society Format
 - 12pt font, standard margins, etc
 - Use APS latex template
- Maximum 4 Pages

Abstract

- General, short overview of the paper
- Tell the most interesting or relevant points
 - Key experiment results
 - Critical aspects of the experiment setup
- Do not go into detailed explanations

Introduction

- Purpose:
 - Inspire interest in the subject
 - Indicate the scientific interest or merit
 - Place your work in context of the field
 - Provide a limit background
- Outline of the paper

Theory

- Describe the key point needed to understand your paper
- Include:
 - Essential Equations
 - Key steps or equations
 - Limited description of the theory

Experimental Method

- Describe your experimental apparatus
 - Use a clear, easy-to-understand diagram
- A brief discussion of the method
 - Not everything needs to be written
- Important experimental factors that had be overcome

Data Presentation

- Axis in relevant units
- Data points visible
- Text ~equal to normal text ~12pt
- Error bars if applicable

Results and Discussions

- Display Data
- List your results
- Discuss:
 - Errors
 - Unusual results
 - Compare to the general community
 - New or interesting experimental techniques or apparatus

Conclusions

- Summarize your work
- Restate:
 - Important results
 - How these results benefit the scientific community/world

References

- Knowledgeable about the subject
- Reference important documents
- General reference
- Make many references

Marking

- Draft report edited
- Draft mark is NOT what the mark would be for the final report
- Final report due one week after draft returned
- Marking scheme on website