

How to write report

THE AXPRO TEAM at Colorado School of Mines

Your report should include the following sections. You can include your figures within the text with proper figure captions explaining in detail what the figures are showing. If you present a table, the table caption should be at the top of the table, not below. Also if you present any equations please enumerate them. Also “justify” your text instead of “align left”.

1. TABLE OF CONTENTS

Write the table of contents of this report

2. INTRODUCTION

Write introductory information about the background of the experiment. What is the purpose of this experiment? What is the goal of the experiment/work? Please do not forget to make clear if this research work was successful or unsuccessful.

3. EXPERIMENTAL SETUP

Write a description of the experimental setup. Explain key components of the measurement system and provide a sketch of the setup showing how it works. You may include additional photographs (ONLY with Dr. Petr Approval) of the setup in this section supporting your description. DO NOT COPY INFORMATION FROM YOUR LAB-HANDOUT. Make your own SHORT description.

4. EXPERIMENTAL METHODOLOGY

Write and explain the methodology used in the experiment. What did you measure? How did you measure? Also, write short definitions about the experiment and the theory behind it. Again, DO NOT COPY INFORMATION FROM YOUR LAB-HANDOUT. Make your own SHORT definitions. Must be validated with calculations of the errors in your data.

5. RESULTS

*Include the results of your measurements here. **Explain your data analysis.** Present your results as plots where necessary. **Write comments and discuss your observations.** YOU WILL RECEIVE MOST OF YOUR POINTS FROM HERE, MAKE IT YOUR OWN. Each figure or table must be referred and clearly explain in more details in your report.*

6. CONCLUSION

Write a short paragraph that explicitly presents the outcome of this experiment. What did you learn from this study. ANOTHER PART IN WHICH YOU WILL RECEIVE MOST OF YOUR POINTS IS HERE, MAKE IT YOUR OWN.

7. REFERENCES

Present your references here in the order of appearance in the text. Number them one by one. Example:

How to write report

[1] Volino, R. J. and Hultgren, L.S., 2001, "Measurements in Separated and Transitional Boundary Layer Under Low-Pressure Turbine Airfoil Conditions," ASME Journal of Turbomachinery, Vol. 123, pp 189-197.

8. APPENDICES (Optional)

Include any appendices as needed.

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Student Report 1st page



AXPRO GROUP
**Advanced Explosive
Processing Research Group**
Explosive Research and Education Center

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Student Report

Title

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