

Project Style Guide for Complex Variables and Applications

Project report: Follow the project template below. Ensure that the project, especially the mathematical ideas, are understandable to anyone knowledgeable in the subject of complex variables. Any missing steps should be straight forward to fill in.

Coverpage: Title; below the title, list authors and affiliations: e.g., Undergraduate CU-Boulder, Dept. of xxxx, Date xxx

Abstract: No more than 200 words. It must be written in the third person.

Introduction: no more than two pages. Make sure to describe what will be done in the project; briefly discuss important ideas/results.

Project description: The methods and results go into this section. Discuss the mathematical methods and, if appropriate, any computational methods you employed. Include any figures in this section. Figures are frequently important to help clarify the work. Be sure to properly label and beautify any figures presented so that a reader of your report can understand it. If you do any computations, state what computer software was used and do it in such a way that a knowledgeable person can reproduce your computational results.

Conclusions and future directions: no more than two pages. Summarize the main results and explain your conclusions. If you had more time, what other related topics and research would be important to investigate?

Bibliography: Include all references that you use in writing your report. Standard bibliographic reference style should be used; e.g. see references in the textbook.

Project Presentation: The project presentation should summarize and explain what you write in your project report. The presentation will be 20 minutes plus 5 minutes for questions. A professional slide presentation should be prepared with the mathematics and helpful visualizations included. Do not read from your written project report. Do not overcrowd slides or try to put too much into your presentation. The best presentations are those that convey the essence of the work.