Math 532:Final Project
Due 12/18/19

Project Description

In groups of 3-4 students, develop three homework problems. Provide complete solutions. Worked examples from books are fine to use, but make sure to present all necessary background material so that the presenation is self-contained. Said another way, I, the reader, should not have to look anything up in order to follow your solution.

Grading Criteria

Each project will be graded out of 100 points with

- 50 points for meeting the basic requirements in the project description.
- 25 points for grammar, style, and quality of presentation.
- 25 points for technical merit, difficulty, or overall cleverness.

Resources

The following texts might be useful to you, though feel free to use any book that seems suitable to you.

- Basic Complex Analysis by J. Marsden.
- Complex Variables by M. Ablowitz and A. Fokas
- A Course of Modern Analysis by E.T. Whittaker and G.N. Watson
- Analytic Combinatorics by P. Flajolet and R. Sedgewick
- Introduction to Analytic Number Theory by T. Apostol