

EECS 801: Numerical PDEs and Meshing Techniques
Project II: Meshing Project (of your choice)
Due: See below for due dates.

For this project, you are completing a meshing project of your choice (on which you should obtain my approval before getting started). The goal of the project is for you to formulate a meshing question of interest and to learn something new.

Submission: Before your presentation, you should also e-mail a copy of your PPTX or PDF slides to shontz@ku.edu; please also bring your slides to class on a memory stick. Submit a zip file of any code, input/output files, etc. (as relevant to your project), and your project report in PDF format to shontz@ku.edu.

Timeline:

1. **Tuesday, April 12:** Brief Project Proposal Due (due at 1pm)
2. **Wednesday, May 11:** Final Project Presentations; Final Project and Final Report Due (due at 1:30pm).

Note: LATE SUBMISSION WILL NOT BE ACCEPTED, AS I MUST SUBMIT FINAL GRADES ON TIME.

Grading: This project is worth 40% of your final grade. In terms of the project, the project material (such as code, theory, or etc.) will count for 70% of the project grade, whereas the project presentation and project report will each count for 15% of the project grade. Your project will be evaluated on formulation of an interesting question, research methodology, quality of coding and results, explanation of results, and effort invested. Your presentation and report will be graded according to clarity, appropriate use of visual aids, quality of writing/presentation, and adherence to time/length requirements. **The presentation will be in class and approximately 25-30 minutes long (including questions). There is no fixed page length requirement for your report; it should be of an appropriate length to cover your work on this topic.** The report should be written in full sentences using good English and should resemble a mini-conference/journal paper.