

Grading rubric components for project

1 *Report [about 80% of project grade]*

___ **Abstract** is a single paragraph that summarizes your topic, methods, main results, and conclusions (5% of report grade)

___ **Introduction** describes the topic; mentions the main methods you used to solve the problem and why you chose them; briefly explains and gives appropriate references for importance/significance of topic or methods; explains how topic or methods relate to material discussed in lecture/lab and also how they go beyond class material and exercises in some way (20%)

___ **Methods** section describes the numerical and computational algorithms used; explains and justifies any approximations or simplifications made; gives credit and references for all algorithms or programs you didn't invent/write yourself (20%)

___ **Results** section presents and interprets your main findings; includes graphics (with axis/data labels and caption) that clearly illustrate findings; shows how your program or solution process performs for more than one test case; discusses sources of error and provides error estimates (30%)

___ **Conclusions** summarize the main outcomes from the project (5%)

___ Include in-text **citations** and an alphabetically arranged **bibliography** (10%)

___ Standard and consistent grammar, syntax, spelling throughout (10%)

2 *Talk and slides [about 20% of project grade]*

___ Clearly explain the problem, why it's important, solution methods

___ Show highlights from results

___ Able to answer any questions

___ Adhere to time limit (5 minutes, plus any questions)

___ Slides follow standard and consistent grammar, syntax, spelling