

Report Content

Introduction

The introduction section contains all material required for the reader to put the work you have done into a proper context. This includes some background information for the project (such as those specified from the assignment) as well as a succinct statement of exactly what you have done and what solution technique you have adopted. Excellent introduction is difficult to write and part of what I intend you to learn is how to do this.

Theory

The theory section contains a statement of all equations that you used in the project, and derivations you had performed to implement your computer codes. Explanatory text must be interjected among the equations. Nomenclature must be stated and the assumptions made in the derivations must be cited. All information about special algorithms (if any) and design techniques (if any) is to be given here.

Code Verification

You need to verify your code by checking numbers with theoretical numbers such as boundary conditions, initial conditions ...

Summary of Results

One-page summary results should be composed of one or two clearly formatted tables and one paragraph of explanation. You must show judgment in selecting the brief, concise and important results for this section. Assume a busy executive wants to skim your summary and understand exactly what you have accomplished. What would you put on a single page to have this happen?

Results

All results you wish to be used to evaluate your report are to be placed in this section and these could include figures, printed data ... etc. Do not repeat the table and paragraph in the summary of result section.

FEM Results

You can generate the most important figures, numbers from FEM results and describe your observations in this section.

Conclusions

Place all conclusions you can draw about your project here. Don't include casual observations unless they are supported by data in the Results or Summary of Results section. Include all new information you have discovered as a result of completing the project. The intention is to present conclusions you can draw from the results you have presented earlier. You may also summarize your project here.

Source Code

Place your computer source code here. Submit readable code, with lots of comments and variable names.