Design Project Part I - Report Format

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1 Format

The format for the design report is defined by this document. The goal of the write-up is not to be wordy, but informative. The suggested format is as follows:

1. Introduction - should be brief and highlight anything that you see as pertinent to the reader.
2. Main report - should include the following
   (a) Diagrams, pictures, or other visual aids
   (b) A description of procedure, interspersed with sample calculations, to illustrate your methodology
3. Summary - this should summarize your design, material choices, etc.
4. Appendices - this should include all of your calculations and any other relevant information that does not go in the main body of the report.

In addition to content, the following formatting rules must be followed:

i. The report must be typed, with the exception of hand drawings, which are acceptable. Equations should not be written by hand.

ii. All calculations must be done in some computer program, such that the design can be easily altered for new information.

iii. The final project must be submitted electronically, therefore, any hand drawings must be scanned.

2 Grading

The following criteria will be used for grading purposes:

A. 50 points - Accuracy and appropriateness of calculations
B. 25 points - The clarity and formatting of your report
C. 15 points - Your understanding of the design process and use of computer software
D. 10 points - The overall quality of the total package.