Computing Project Rubric: Physics 280

Section	Poor (0-35%)	Good (35%- 65%)	Excellent (65% - 100%)
Abstract & Description (10 %)	Abstract is missing or lacks substantial merit. The basic idea of the project is not clearly stated. The result of the project is not stated, or is stated unclearly. The Description is missing or doesn't give a clear idea of the significance of the project.	Abstract is present and has some merit. The basic idea of the project is stated. The result of the project is stated. The Description is present and gives a some idea of the significance of the project.	Abstract is present and is absolutely clear and concise. The result of the project is stated clearly as well as some indication of its accuracy. The Description is present and gives a clear idea of the significance of the project.
Algorithm & Discussion (20 %)	Important details of the algorithm used are missing, or incorrect.	The most important details of the algorithm are described and, for the most part, are presented clearly and correctly.	All of the important details of the algorithm are described and the presentation is perfectly clear and completely correct.
Implementation/Code (40 %)	Code is missing or is not functional. Nothing is done to demonstrate that the code is operating correctly.	Code is all there, and functions almost perfectly. It is fairly easy to read and understand. There is some documentation embedded in the code in addition to the explanation in the report. At least some attempt is made to **validate** the correct operation of the code.	Code is all there and functions flawlessly. The code is easy to read and understand. There is sufficient documentation embedded in the code to easily understand what the code is trying to do in each step of the process. The code's correctness is **validated** using a special case or a known analytical result.
Results (20 %)	Results are missing or are seriously incomplete. No interpretation is given,or the interpretation is not valid. Even though graphical representation is possible it is either missing completely or unclear or indecipherable. Units are incorrect, or missing entirely. No formulas are provided where they should be, or are incorrect.	Results are present and mostly complete. Units are clearly given and are correct. A reasonable interpretation is given that shows at least some significant understanding of both the physical system being studied as well as the techniques applied to the calculation. If a graphical representation is possible it is fairly clear and mostly understandable. Units are given with clear axis labels.	Results are present and complete. Units are clearly given and are correct. A reasonable interpretation is given that shows perfect understanding of both the physical system being studied as well as the techniques applied to the calculation. If a graphical representation is possible it is clear and understandable. Units are given with clear axis labels and formulas where appropriate.
Conclusion (10 %)	Conclusion is missing or seriously incomplete.	Conclusion is present and reasonably complete. A final result is stated clearly.	Conclusion is present and complete. A final result is stated clearly along with some estimate of the uncertainty of the result.