

Guidelines for the project, applicable to some of homework problems as well.

- A title of the project.
- Author(s) and affiliation.
- Abstract.
- Key words.
- Introduction (background information, the problem, motivation, and possible applications).
- Numerical method and theoretical analysis (consistency, stability, order of convergence, the computational cost and storage etc.)
- Numerical experiments and analysis using tables and plots: for example, the grid refinement analysis in table or plot form, selected error and solution plots, and any conclusions you can draw from your results. You need to label all you tables and plots.
- Conclusion and future work, acknowledgment.
- Reference.

Note that, it is OK to skip some of items if they do not apply to your problems. You can talk to the instructor for the references and other information.