Abstract: Half page description of an application that you plan on

implementing. (This is an "elevator" pitch with purpose and features of

the project.)

• Mathematical statement of the problem

• Discretized version of the equations

• Description of the numerical method (pseudo code included)

• Technical specifications of the computer used

• Results (include graphs and comments)

– Specifications of parameters used in simulations

– Evaluate the effect of number of points used for discretization

– Perform grid convergence study

– Evaluate the effect of diffusive CFL\*

– Comparison of results with expected theoretical behavior

– Verify the order of spatial accuracy of discretization

• Commit your report to your git repository

Submit the git repository via blackboard

– project

– project/doc/ {for Final Report} – 50%

– project/src/ {for all working code} – 50%

– project/bin/ {for executable(s)}

– project/tests/ {for test cases (if any)}