

Daniel Pierson
Numerical Linear Algebra
Final Project Plan

My project will investigate the convergence behavior of the Conjugate Gradient Algorithm. This will be accomplished by extrapolating the algorithm into Matlab code that can be used to test on a variety of matrix sizes from Matrix Market.

I will test the accuracy of my code by using Matlab's built-in solver to ensure that my code is correct. I will also investigate the timing differences between the Conjugate Gradient Algorithm and Matlab's built-in solver.