Scientific Computing, G63.2043/G22.2112
Spring 2000
Professor Leslie Greengard

Lecture 1

Reading: Chapters 1,2 in "Numerical Methods with MATLAB."

Lecture Outline:

       A) Overview of scientific computing
       B) When/how do algorithms fail
       B) Computer Arithmetic
       C) LU factorization and the accuracy of solutions

Problem Set 1: Due 1/27/00.

Problems 1.1(b),1.3,1.4,1.7,1.14,1.16