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

Lectures 6-8

**Reading:** Chapters 7-12 in "Numerical Methods with MATLAB."

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**Lecture Topics:**

A) Quadrature (integration)
B) Functions of several variables
C) Monte Carlo integration

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**Problem Set 4:** Due 3/9/00.
1) Problem 5.4 in Borse's text.
2) Problem 5.5 in Borse's text. (Newton's method with multiplicity is discussed on p. 161.)
3) Problem 6.1
4) Problem 6.3
5) Problem 7.1
6) Problem 7.4