Linear Systems

Week 5

Monday February 20 : NO CLASS

President's Day.

Wednesday February 22 *Class 13*:

Elimination Matrices. We re-examine Gaussian elimination by thinking of it as a series of matrix multiplication operations.

Reading:

Poole, Section 3.3

Homework #13: (due in *Class 14*)

Poole, Section 3.3 # 24,25,31,32,**37,38**,40,42,43,**45,46,51,54**. EXTRA CREDIT 65, 71.

QUIZ #4 AND BONUS QUIZ DUE

Friday February 24 *Class 14*:

LU Decomposition. The first of very many interesting matrix factorization techniques we shall address in this class.

Reading:

Poole, Section 3.4

Homework #14: (due in *Class 15*)

Poole, Section 3.4: 1,**2,3**,7,**8,9**,10,13,19,20. EXTRA CREDIT 26.

QUIZ #5