
Linear Systems

Math 214 Spring 2006
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Fowler 307 MWF 2:30pm - 3:25pm
<http://faculty.oxy.edu/ron/math/214/06/>

Week 8

Monday March 20 *Class 19:*

Applications of Linear Algebra. We will look at one or two very cool applications of linear algebra to graph theory.

Reading:

Poole, Section 3.7

Homework #18: (due in *Class 20*)

Poole, Section 3.7 : 27, **28, 29**, 30, 35, **36, 37**, 38.

QUIZ #6 DUE

Wednesday March 22 *Class 20:*

Eigenvalues and Eigenvectors. We will be introduced to the concept of eigenvectors and eigenvalues of a matrix for 2×2 matrices.

Reading:

Poole, Section 4.1

Homework #19: (due in *Class 21*)

Poole, Section 4.1: 3,**4,5,6,10,11**,16,17,**21,22**. EXTRA CREDIT 36, 37

Friday March 24 *Class 21:*

Determinants. We will learn all sorts of ways to compute determinants of matrices.

Reading:

Poole, Section 4.2

Homework #20: (due in *Class 22*)

Poole, Section 4.2: 4,6, 7, **10**, 15, 26, 27, 32, **33, 48, 49,50,51,52**. EXTRA CREDIT 46.

QUIZ #7