
Linear Systems

Math 214 Spring 2008
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Fowler 309 MWF 9:30am - 10:25am
<http://faculty.oxy.edu/ron/math/214/08/>

Week 4

Monday February 11 *Class 8:*

Linear Independence, linear dependence and span. Three of the most important concepts in linear algebra are linear (in)dependence and span.

Reading:

Poole, Section 2.3

Homework #8: (due in *Class 10*)

Poole, Section 2.3: # 1, **2, 3**, 4, 13, 14, **25, 26**. EXTRA CREDIT: 43.

BONUS Homework #9: (due in *Class 10*)

Poole, Section 2.4: 4,**11, 12**, 31, 32, 39, **40, 41**,46. EXTRA CREDIT 47.

QUIZ #3 DUE

Wednesday February 13 *Class 10:*

Properties of Matrices. We begin Chapter 3 by considering matrices as objects in their own right, and not just as ways of viewing linear systems.

Reading:

Poole, Section 3.1

Homework #10: (due in *Class 11*)

Poole, Section 3.1: 1,2,3,4,5,6,7,**8,34,35**. EXTRA CREDIT 37.

Friday February 15 *Class 11:*

Understanding Algebraic Operations on Matrices.

Reading:

Poole, Section 3.2

Homework #11: (due in *Class 12*)

Poole, Section 3.2: 1,2,3,**4,5**,14,24,**37, 44**; EXTRA CREDIT # 45, 46.

QUIZ #4