Week 7

Monday March 3:

Guest Lecture by David Poole, author of our textbook.

Wednesday March 5 Class 16:

Subspaces. We shall introduce the concept of vector spaces and subspaces in a rather formal way.

Reading:

Poole, Section 3.5 and Section 6.1

Homework #15: (due in Class 17)

Poole, Section 3.5, 1,3,4,5,6,7,9,11,12. EXTRA CREDIT 10.

Friday March 7 Class 17:

Basis and Dimension. We continue to see how linear independence, rank, subspaces, dimension and span all inter-connect with each other.

Reading:

Poole, Section 3.5

Homework #16: (due in Class 18)

Poole, Section 3.5: 17, 18, 21, 24, 39, 40, 41, 42. EXTRA CREDIT 44, 50.