

18.701 Problem Set 5

This assignment is due Wednesday, October 16.

This assignment is on linear operators. There will be one on symmetry next week. Because of the quiz, the homework is behind the class.

1. Chapter 4, Exercise M.7a,b (*powers of an operator*)
2. Chapter 4, Exercise M.10 (*eigenvectors of AB and BA*)
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*)