L. Vandenberghe ECE133A Fall 2022

Homework 4

Reading assignment: Sections 5.4, 11.3, 11.4, 11.5 in the textbook. Chapter 1 (LU factorization) in the *Additional Lecture Notes* on the course website (under Files/Additional lecture notes). You can skip section 1.5.

Homework problems

- 1. Exercise A5.6 (b).
- 2. Exercise A6.3.
- 3. Exercise A6.9.
- 4. Exercise A6.15.
- 5. Exercise A6.16.
- 6. Exercise A7.5.
- 7. Exercise A7.10. This is an application of the result in Exercise 4.3 on homework 3.