

Linear Algebra

Exercises for Lecture Four: Factorization into $L = AU$

Due Friday, September 27, 2013

1. Suppose that on a certain computer it takes 2 seconds to do row elimination so that a 10×10 matrix is upper triangular. Estimate how long would it take to do elimination on a 1000×1000 matrix.
2. Chapter 2.6, problem 5
3. Chapter 2.6, problem 7
4. Chapter 2.6, problem 13
5. Chapter 2.7, problem 11