




< Previous


 ✓

 ✓

 ✓

Next >

6.1.2 Outline

 Bookmark this page

Opening Remarks

- 6.1.1. Solving Linear Systems
- 6.1.2. Outline
- 6.1.3 What You Will Learn

Gaussian Elimination

- 6.2.1. Reducing a System of Linear Equations to an Upper Triangular System
- 6.2.2. Appended Matrices
- 6.2.3. Gauss Transforms
- 6.2.4. Computing Separately with the Matrix and Right-Hand Side (Forward Substitution)
- 6.2.5. Towards an Algorithm

Solving $Ax = b$ via LU Factorization

- 6.3.1. LU factorization (Gaussian elimination)
- 6.3.2. Solving $Lz = b$ (Forward substitution)
- 6.3.3. Solving $Ux = b$ (Back substitution)
- 6.3.4. Putting it all together to solve $Ax = b$
- 6.3.5. Cost

Enrichment

- 6.4.1. Blocked LU Factorization

Wrap Up

- 6.5.1. Homework
- 6.5.2. Summary

< Previous

Next >



edX

- [About](#)
- [Affiliates](#)
- [edX for Business](#)
- [Open edX](#)
- [Careers](#)
- [News](#)

Legal

- [Terms of Service & Honor Code](#)
- [Privacy Policy](#)
- [Accessibility Policy](#)
- [Trademark Policy](#)
- [Sitemap](#)
- [Cookie Policy](#)
- [Your Privacy Choices](#)

Connect

- [Idea Hub](#)
- [Contact Us](#)
- [Help Center](#)
- [Security](#)
- [Media Kit](#)



© 2023 edX LLC. All rights reserved.
深圳市恒宇博科技有限公司 [粤ICP备17044299号-2](#)