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10.1.2 Outline

Opening Remarks

- 10.1.1. Visualizing Planes, Lines, and Solutions
- 10.1.2. Outline
- 10.1.3. What You Will Learn

How the Row Echelon Form Answers (Almost) Everything

- 10.2.1. Example
- 10.2.2. The Important Attributes of a Linear System

Orthogonal Vectors and Spaces

- 10.3.1. Orthogonal Vectors
- 10.3.2. Orthogonal Spaces
- 10.3.3. Fundamental Spaces

Approximating a Solution

- 10.4.1. A Motivating Example
- 10.4.2. Finding the Best Solution
- 10.4.3. Why It is Called Linear Least-Squares

Enrichment

• 10.5.1 Solving the Normal Equations

Wrap Up

- 10.6.1. Homework
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