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9.1.2 Outline

Opening Remarks

- 9.1.1. Solvable or not solvable, that's the question
- 9.1.2. Outline
- 9.1.3. What you will learn

When Systems Don't Have a Unique Solution

- 9.2.1. When Solutions Are Not Unique
- 9.2.2. When Linear Systems Have No Solutions
- 9.2.3. When Linear Systems Have Many Solutions
- 9.2.4. What is Going On?
- 9.2.5. Toward a Systematic Approach to Finding All Solutions

Review of Sets

- 9.3.1. Definitions and Notation
- 9.3.2. Examples
- 9.3.3. Operations with Sets

Vector Spaces

- 9.4.1. What is a Vector Space?
- 9.4.2. Subspaces
- 9.4.3. The Column Space
- 9.4.4. The Null Space

Span, Linear Independence, and Bases

- 9.5.1. Span
- 9.5.2. Linear Independence
- 9.5.3. Bases for Subspaces
- 9.5.4. The Dimension of a Subspace

Enrichment

- 9.6.1 Typesetting Algorithms with the FLAME Notation

Wrap Up

- 9.7.1. Homework
- 9.7.2. Summary



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