

# Application Of Linear Algebra

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## Linear Algebra

- › What is Linear Algebra?
- › Applications of Linear Algebra in various fields.
  - Abstract Thinking
  - Chemistry
  - Coding Theory
  - Cryptography
  - Economics
  - Elimination Theory
  - Games
  - Genetics
  - Geometry
  - Graph Theory
  - Heat Distribution
  - Image Compression
  - Linear Programming
  - Markov Chains
  - Networking
  - Sociology
  - The Fibonacci Numbers
  - Eigenfaces

and many more...

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### **Word Problems Ticket Sales AlgebraLAB**

First we need to set up a system of two equations. The equations will be linear. One of the two will involve the number of people who attended the movie. There were a total of 636 people who attended the movie on the given day.

### **Algebra I**

Test Blueprint Algebra I 2009 Mathematics Standards of Learning This revised test blueprint will be effective with the administration of the 2011-2012 Mathematics Standards of

### **Algebra Applications Of Quadratic Equations**

In this section we will revisit some of the applications we saw in the linear application section, only this time they will involve solving a quadratic equation. Included are examples in distance/rate problems and work rate problems.