

Solving system of linear equations: Elimination

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Video:

Machine learning motivation

1 min
- ✓

Video:

Solving non-singular system of linear equations

6 min
- ✓

Video:

Solving singular systems of linear equations

3 min
- ✓

Graphical Representation of Linear Systems with 3 variables

15 min
- ▶

Video:

Solving systems of equations with more variables

2 min
- ▶

Video:

Matrix row-reduction

3 min
- ▶

Video:

Row operations that preserve singularity

3 min
- 📋

Practice Quiz:

Method of Elimination

7 questions

Ungraded lab

Solving system of linear equation: Row echelon form and rank

Programming Assignment: System of Linear Equations

Lecture Notes

This is an ungraded tool to develop your understanding of the material. You can change the values to visualize any linear system with 3 variables. Use the mouse controls to rotate the plot or zoom in/out.

System of equations:

4

x +

-3

y +

1

z =

-10

2

x +

1

y +

3

z =

0

-1

x +

2

y +

-5

z =

17

Number of solutions:

☒

 One

☐ None

☐ Infinite, 

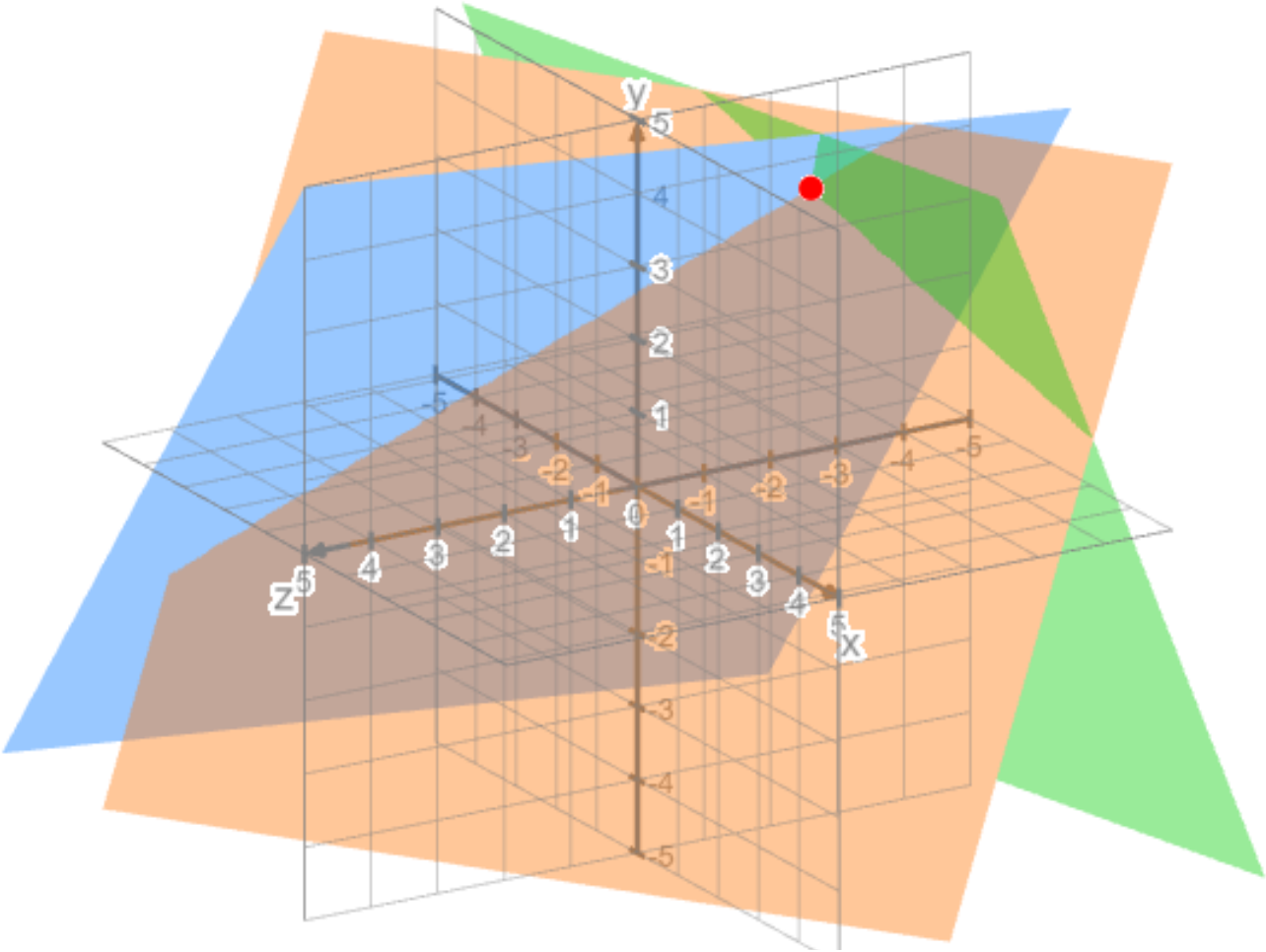
line

Solution:

x = 1

y = 4

z = -2



Expand

Complete Go to next item

