

Welcome to LA

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1 Contents of this submodule

- floating point numbers
 - rounding errors
 - top tips for working with floating point numbers
- linear systems of equations
 - motivation
 - Gaussian-elimination
 - practicalities
 - iterative schemes
- transforming matrices
 - what is a basis? and what does it mean?
 - eigenvectors and eigenvalues
 - * definitions
 - * small matrix solutions
 - large matrix solutions

TODO add recap of matrices terminology - inverse, transpose, coefficients, size

2 Motivations

3 Learning outcomes

4 Programming