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The *Java® Demos* were developed by Pavel Grinfeld.

- Eigenvalues
- SVD (Singular Value Decomposition)
- Gaussian Elimination
- Determinants
- Gram-Schmidt = Orthogonalization
- Inner Product of Functions
- Sum of Fourier Series
- Sum of Trigonometric Series
- Gibbs Phenomenon
- Aliasing
- Column Spaces
- Least Squares
- Power Method

Other Demos

- Gauss-Jordan Demo
- LU Demo
- The Media Lab's Eigenfaces Demo
- Projections of Famous and not so Famous Three and Four Dimensional Solids

MATLAB® Information

- Best Guide to MATLAB® (PDF)
- Short MATLAB® Tutorial (PDF) and Cool MATLAB® demos by Mathworks
- MATLAB® Recitation Demos from 1997
- MATLAB® Teaching Codes
- A MATLAB cheat sheet (PDF)

Essays

- Pascal Matrices (PDF)
- A Basis for 3 by 3 Symmetric Matrices (PDF)
- Gram-Schmidt in 9 Lines of MATLAB® (PDF)
- Linear Algebra and Music (PDF)

Essays on Teaching Linear Algebra

- Too Much Calculus (PDF)
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