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Linear Algebra and Geometry Using MATLAB (Paperback)

By Levy P

Createspace Independent Publishing Platform, United States, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. This book develops topics of linear algebra and geometry using MATLAB. It emphasizes the following content: Matrices and Arrays Specialized Matrix Functions Operating on Diagonal Matrices Diagonal Matrix Functions Matrices, Scalars, and Vectors Full and Sparse Matrices Sparse Matrix Functions Multidimensional Arrays Computing with Multidimensional Arrays Multidimensional Cell Arrays Multidimensional Structure Arrays Summary of Matrix and Array Functions Linear Algebra MATLAB Linear Algebra Functions Kronecker Tensor Product Vector and Matrix Norms Using Multithreaded Computation with Linear Algebra Systems of Linear Equations Square Systems Overdetermined Systems Using Multithreaded Computation with Systems of Linear Equations Iterative Methods for Solving Systems of Linear Equations Inverses and Determinants Factorizations Cholesky, LU and QR Factorization Eigenvalues and Singular Values Schur Decomposition Random Numbers Sparse Matrices Polynomials Roots of Scalar Functions Solving a Nonlinear Equation in One Variable Derivatives Convolution Polynomial Curve Fitting Characteristic Polynomials Computational Geometry Triangulation Representations 2-D and 3-D Domains Delaunay Triangulation Point Location Searching Non-Delaunay Triangulations Voronoi Diagrams Convex Hulls Interpolation Interpolation of 2-D Selections in 3-D Grids Scattered Data Interpolation Using a Specific Delaunay Triangulation Extrapolating Scattered Data Extrapolation of 3-D...

Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- Prof. Kirk Cruickshank DDS

This kind of book is every little thing and taught me to looking ahead of time and a lot more. I am quite late in start reading this one, but better then never. I found out this book from my dad and i encouraged this pdf to find out.

-- Justus Hettinger