



## Linear Algebra with Mathematica (Paperback)

By Cesar Lopez Perez

Createspace Independent Publishing Platform, United States, 2016. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. MATHEMATICA is a scientific computing software widely used in the experimental sciences. This book develops MATHEMATICA applications in the field of linear algebra. The following topics are covered: VARIABLES AND FUNCTIONS 1.1 VARIABLES 1.2 FUNCTIONS DEFINITION 1.3 RECURSIVE FUNCTIONS 1.4 PIECEWISE FUNCTIONS 1.5 OPERATIONS WITH FUNCTIONS 1.6 DATA TYPES USED IN THE DEFINITION OF THE FUNCTIONS NUMBERS, OPERATIONS AND MOST COMMON FUNCTIONS. NUMBERING SYSTEMS 2.1 OPERATIONS ARITHMETIC 2.2 FUNCTIONS PREDEFINED OF INTEGER ARGUMENT 2.3 NUMBERING SYSTEMS 2.4 RATIONAL NUMBERS 2.5 IRRATIONAL NUMBERS 2.6 COMPLEX NUMBERS. MORE COMMON FUNCTIONS 2.7 ROUNDING AND APPROACH FUNCTIONS 2.8 COMMON CONSTANT USED IN MATHEMATICA 2.9 RANDOM NUMBERS 2.10 EL PACKAGE OF NUMBER THEORY ALGEBRAIC EXPRESSIONS, POLYNOMIALS, AND INTERPOLATION 3.1 FUNCTIONS COMMON ALGEBRAIC OPERATIONS 3.2 POLYNOMIALS 3.3 OPERATIONS ALGEBRAIC WITH POLYNOMIALS 3.4 POLYNOMIAL INTERPOLATION 3.5 EL PACKAGE NUMERICMATH APPROXIMATIONS 3.6 POLYNOMIAL ADJUSTMENT EQUATIONS AND SYSTEMS 4.1 RESOLUTION OF EQUATIONS 4.2 SPECIAL COMMANDS TO SOLVE EQUATIONS 4.3 NUMERICAL METHODS FOR RESOLUTION OF EQUATIONS 4.4 SYSTEMS OF EQUATIONS MATRIX ALGEBRA 5.1 VECTORS 5.2 OPERATIONS WITH VECTORS 5.3 MATRICES 5.4 OPERATIONS WITH MATRICES 5.5 SPECIAL OPERATIONS WITH MATRICES...



**READ ONLINE**  
[ 3.85 MB ]

### Reviews

*This pdf is definitely not easy to get started on studying but quite entertaining to read through. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Ms. Fatima Erdman**

*It is an incredible book which i actually have ever go through. it had been writtern extremely completely and helpful. You can expect to like the way the blogger publish this book.*

-- **Prof. Jerad Lesch**