1. Record Nr. UNINA9910458489603321 Autore Abell Martha L. <1962-> Titolo Maple by example [[electronic resource] /] / Martha L. Abell and James P. Braselton Pubbl/distr/stampa Amsterdam; ; Boston, : Elsevier Academic Press, c2005 **ISBN** 1-281-01081-2 9786611010812 0-08-049637-7 Edizione [3rd ed.] Descrizione fisica 1 online resource (563 p.) BraseltonJames P. <1965-> Altri autori (Persone) Disciplina 510/.28553 Soggetti Mathematics - Data processing Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Front Cover; Maple by Example; Copyright Page; Table of Contents; Preface; Chapter 1. Getting Started; 1.1 Introduction to Maple; 1.2 Loading Packages; 1.3 Getting Help from Maple; Chapter 2. Basic Operations on Numbers, Expressions, and Functions; 2.1 Numerical Calculations and Built-In Functions; 2.2 Expressions and Functions: Elementary Algebra: 2.3 Graphing Functions, Expressions, and Equations; 2.4 Solving Equations and Inequalities; Chapter 3. Calculus; 3.1 Limits; 3.2 Differential Calculus; 3.3 Integral Calculus; 3.4 Series; 3.5 Multi-Variable Calculus Chapter 4. Introduction to Lists and Tables 4.1 Lists and List Operations; 4.2 Manipulating Lists: More on op and map; 4.3 Mathematics of Finance; 4.4 Other Applications; Chapter 5. Matrices and Vectors: Topics from Linear Algebra and Vector Calculus: 5.1 Nested Lists: Introduction to Matrices, Vectors, and Matrix Operations: 5.2 Linear Systems of Equations; 5.3 Selected Topics from Linear Algebra; 5.4 Maxima and Minima Using Linear Programming; 5.5 Selected Topics from Vector Calculus; Chapter 6. Applications Related to Ordinary and Partial Differential Equations

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Sommario/riassunto

Maple by Example, Third Edition, is a reference/text with CD for beginning and experienced students, professional engineers, and other Maple users. This new edition has been updated to be compatible with the most recent release of the Maple software. Coverage includes built-in Maple commands used in courses and practices that involve calculus, linear algebra, business mathematics, ordinary and partial differential equations, numerical methods, graphics and more. The CD-ROM provides updated Maple input and all text from the book.* Updated coverage of Maple features and functions