

1. Record Nr.	UNINA9911006985003321
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Titolo	Mathematical Handbook for Scientists and Engineers : Definitions, Theorems, and Formulas for Reference and Review
Pubbl/distr/stampa	Newburyport, : Dover Publications, 2013
ISBN	1-5231-0959-9 0-486-32023-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1996 p.)
Collana	Dover Civil and Mechanical Engineering
Altri autori (Persone)	KornTheresa M
Disciplina	510/.2/1
Soggetti	Mathematics Physical Sciences & Mathematics Mathematics - General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Title Page; Copyright Page; Dedication; Preface to the Second Edition; Contents; Chapter 1. Real and Complex Numbers. Elementary Algebra; 1.1. Introduction. The Real-number System; 1.2. Powers, Roots, Logarithms, and Factorials. Sum and Product Notation; 1.3. Complex Numbers; 1.4. Miscellaneous Formulas; 1.5. Determinants; 1.6. Algebraic Equations: General Theorems; 1.7. Factoring of Polynomials and Quotients of Polynomials. Partial Fractions; 1.8. Linear, Quadratic, Cubic, and Quartic Equations; 1.9. Systems of Simultaneous Equations; 1.10. Related Topics, References, and Bibliography Chapter 2. Plane Analytic Geometry2.1. Introduction and Basic Concepts; 2.2. The Straight Line; 2.3. Relations Involving Points and Straight Lines; 2.4. Second-order Curves (Conic Sections); 2.5. Properties of Circles, Ellipses, Hyperbolas, and Parabolas; 2.6. Higher Plane Curves; 2.7. Related Topics, References, and Bibliography; Chapter 3. Solid Analytic Geometry; 3.1. Introduction and Basic Concepts; 3.2. The Plane; 3.3. The Straight Line; 3.4. Relations Involving Points, Planes, and Straight Lines; 3.5. Quadric Surfaces; 3.6. Related Topics, References, and Bibliography Chapter 4. Functions and Limits. Differential and Integral Calculus4.1. Introduction; 4.2. Functions; 4.3. Point Sets, Intervals, and Regions; 4.4. Limits, Continuous Functions, and Related Topics; 4.5. Differential

Calculus; 4.6. Integrals and Integration; 4.7. Mean-value Theorems. Values of Indeterminate Forms. Weierstrass's Approximation Theorems; 4.8. Infinite Series, Infinite Products, and Continued Fractions; 4.9. Tests for the Convergence and Uniform Convergence of Infinite Series and Improper Integrals
 4.10. Representation of Functions by Infinite Series and Integrals. Power Series and Taylor's Expansion
 4.11. Fourier Series and Fourier Integrals; 4.12. Related Topics, References, and Bibliography; Chapter 5. Vector Analysis; 5.1. Introduction; 5.2. Vector Algebra; 5.3. Vector Calculus: Functions of a Scalar Parameter; 5.4. Scalar and Vector Fields; 5.5. Differential Operators; 5.6. Integral Theorems; 5.7. Specification of a Vector Field in Terms of Its Curl and Divergence; 5.8. Related Topics, References, and Bibliography; Chapter 6. Curvilinear Coordinate Systems; 6.1. Introduction
 6.2. Curvilinear Coordinate Systems
 6.3. Representation of Vectors in Terms of Components; 6.4. Orthogonal Coordinate Systems. Vector Relations in Terms of Orthogonal Components; 6.5. Formulas Relating to Special Orthogonal Coordinate Systems; 6.6. Related Topics, References, and Bibliography; Chapter 7. Functions of a Complex Variable; 7.1. Introduction; 7.2. Functions of a Complex Variable. Regions of the Complex-number Plane; 7.3. Analytic (Regular, Holomorphic) Functions; 7.4. Treatment of Multiple-valued Functions; 7.5. Integral Theorems and Series Expansions
 7.6. Zeros and Isolated Singularities

Sommario/riassunto

<DIV><DIV>A reliable source of definitions, theorems, and formulas, this authoritative handbook provides convenient access to information from every area of mathematics. Coverage includes Fourier transforms, Z transforms, linear and nonlinear programming, calculus of variations, random-process theory, special functions, combinatorial analysis, numerical methods, game theory, and much more.</DIV></DIV>
