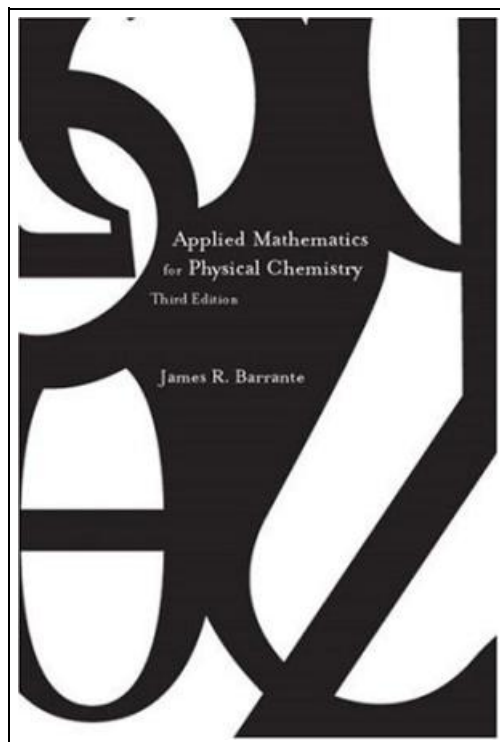


Applied Mathematics for Physical Chemistry (3rd Edition)



Filesize: 5.83 MB

Reviews

*It is really an remarkable ebook that I actually have ever study. It is actually loaded with knowledge and wisdom You will not truly feel monotony at whenever you want of your time (that's what catalogs are for about in the event you check with me).
(Mr. Norval Reilly V)*

APPLIED MATHEMATICS FOR PHYSICAL CHEMISTRY (3RD EDITION)



To download **Applied Mathematics for Physical Chemistry (3rd Edition)** PDF, remember to click the hyperlink beneath and save the ebook or have accessibility to other information which might be highly relevant to APPLIED MATHEMATICS FOR PHYSICAL CHEMISTRY (3RD EDITION) book.

Prentice Hall, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Coordinate Systems. Cartesian Coordinates. Plane Polar Coordinates. Spherical Polar Coordinates. Complex Numbers. 2. Functions and Graphs. Functions. Graphical Representation of Functions. Roots to Polynomial Equations. 3. Logarithms. General Properties of Logarithms. Common Logarithms. Natural Logarithms. 4. Differential Calculus. Functions of Single Variables. Functions of Several Variables-Partial Derivatives. The Total Differential. Derivative as a Ratio of Infinitesimally Small Changes. Geometric Properties of Derivatives. Constrained Maxima and Minima. 5. Integral Calculus. Integral as an Antiderivative. General Methods of Integration. Special Methods of Integration. The Integral as a Summation of Infinitesimally Small Elements. Line Integrals. Double and Triple Integrals. 6. Infinite Series. Tests for Convergence and Divergence. Power Series Revisited. Maclaurin and Taylor Series. Fourier Series and Fourier Transforms. 7. Differential Equations. Linear Combinations. First-Order Differential Equations. Second-Order Differential Equations. with Constant Coefficients. General Series Methods of Solution. Special Polynomial Solutions to Differential Equations. Exact and Inexact Differentials. Integrating Factors. Partial Differential Equations. 8. Scalars and Vectors. Addition of Vectors. Multiplication of Vectors. Applications. 9. Matrices and Determinants. Square Matrices and Determinants. Matrix Algebra. 10. Operators. Vector Operators. Eigenvalue Equations Revisited. Hermitian Operators. Rotational Operators. Transformation of ∇ ; 2 to Plane Polar Coordinates. 11. Numerical Methods and the Use of the Computer. Graphical Presentation. Numerical Integration. Roots to Equations. Fourier Transforms Revisited-Macros. 12. Mathematical Methods in the Laboratory. Probability. Experimental Errors. Propagation of Errors. Preparation of Graphs. Linear Regression. Tangents and Areas. Appendix I. Table of Physical Constants. Appendix II. Table of Integrals. Appendix III. Transformation of ∇ ; 2 Spherical Polar Coordinate. Appendix IV. Stirling's Approximation. Appendix V. Solving a 3x3 Determinant. Appendix VI. Statistics. Answers. Index.



[Read Applied Mathematics for Physical Chemistry \(3rd Edition\) Online](#)



[Download PDF Applied Mathematics for Physical Chemistry \(3rd Edition\)](#)

Other Kindle Books



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Follow the hyperlink beneath to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

[Read ePub »](#)



[PDF] Edge] the collection stacks of children's literature: Chunyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

Follow the hyperlink beneath to get "Edge] the collection stacks of children's literature: Chunyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" PDF file.

[Read ePub »](#)



[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Follow the hyperlink beneath to get "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" PDF file.

[Read ePub »](#)



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Follow the hyperlink beneath to get "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF file.

[Read ePub »](#)



[PDF] Help! I'm a Baby Boomer (Battling for Christian Values Inside America's Largest Generation

Follow the hyperlink beneath to get "Help! I'm a Baby Boomer (Battling for Christian Values Inside America's Largest Generation" PDF file.

[Read ePub »](#)



[PDF] George's First Day at Playgroup

Follow the hyperlink beneath to get "George's First Day at Playgroup" PDF file.

[Read ePub »](#)