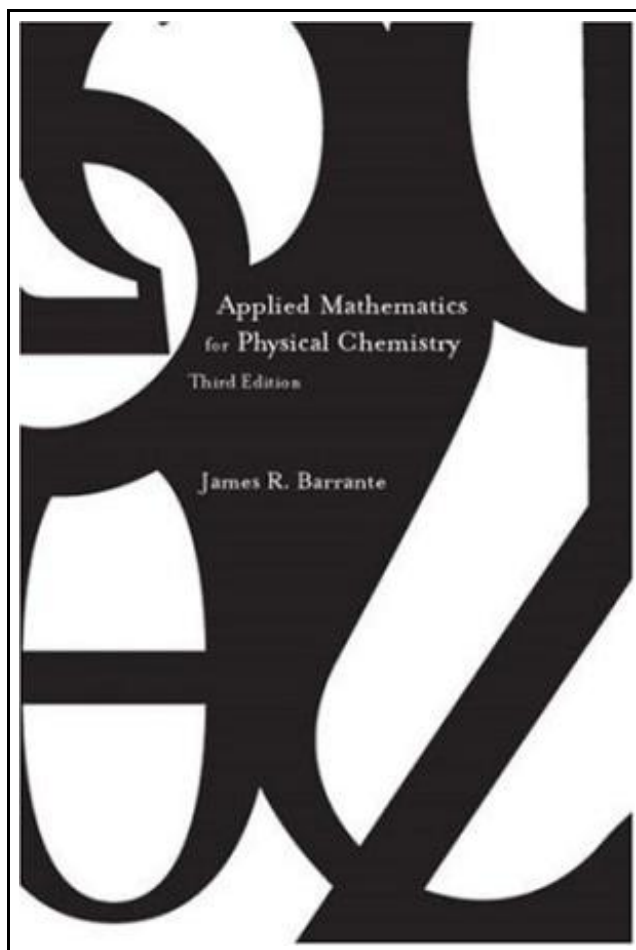# Applied Mathematics for Physical Chemistry (3rd Edition)

Filesize: 2.41 MB

Reviews

If you need to adding benefit, a must buy book. it was actually writtern extremely flawlessly and helpful. You can expect to like just how the blogger compose this pdf.
(Rosemarie Kirlin)

APPLIED MATHEMATICS FOR PHYSICAL CHEMISTRY (3RD EDITION)

To save **Applied Mathematics for Physical Chemistry (3rd Edition)** PDF, you should click the button below and save the file or have accessibility to additional information which might be have conjunction with APPLIED MATHEMATICS FOR PHYSICAL CHEMISTRY (3RD EDITION) ebook.

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 nabla; 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 nabla; 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 PDFs

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

Follow the web link listed below to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" file.

Download PDF »

[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Follow the web link listed below to download "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" file.

Download PDF »

[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Follow the web link listed below to download "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" file.

Download PDF »

[PDF] Maisy's Christmas Tree

Follow the web link listed below to download "Maisy's Christmas Tree" file.

Download PDF »

[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 web link listed below to download "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)" file.

Download PDF »

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

Follow the web link listed below to download "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" file.

Download PDF »