



Applied Calculus for the Managerial, Life, and Social Sciences

By Soo T. Tan

Download now

Read Online 

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan

Soo Tan's APPLIED CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Ninth Edition balances applications, pedagogy, and technology to provide readers with the context they need to stay motivated and interested in the material. Accessible for majors and non-majors alike, the book uses an intuitive approach that introduces abstract concepts through examples drawn from common, real-life experiences and numerous fields of interest to which readers can relate. Insightful Portfolios highlight the careers of real people and discuss how they incorporate math into their daily professional activities. Numerous exercises ensure that readers have a solid understanding of concepts before advancing to the next topic. Algebra review notes, keyed to the review chapter Preliminaries, appear where and when readers need them. Available with InfoTrac Student Collections <http://goengage.com/infotrac>.

 [Download Applied Calculus for the Managerial, Life, and Soc ...pdf](#)

 [Read Online Applied Calculus for the Managerial, Life, and S ...pdf](#)

Applied Calculus for the Managerial, Life, and Social Sciences

By Soo T. Tan

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan

Soo Tan's APPLIED CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Ninth Edition balances applications, pedagogy, and technology to provide readers with the context they need to stay motivated and interested in the material. Accessible for majors and non-majors alike, the book uses an intuitive approach that introduces abstract concepts through examples drawn from common, real-life experiences and numerous fields of interest to which readers can relate. Insightful Portfolios highlight the careers of real people and discuss how they incorporate math into their daily professional activities. Numerous exercises ensure that readers have a solid understanding of concepts before advancing to the next topic. Algebra review notes, keyed to the review chapter Preliminaries, appear where and when readers need them. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>.

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan Bibliography

- Sales Rank: #471504 in Books
- Brand: Brand: Cengage Learning
- Published on: 2013-01-01
- Original language: English
- Number of items: 1
- Dimensions: 1.20" h x 8.70" w x 10.90" l, 4.40 pounds
- Binding: Hardcover
- 896 pages

 [Download Applied Calculus for the Managerial, Life, and Soc ...pdf](#)

 [Read Online Applied Calculus for the Managerial, Life, and S ...pdf](#)

Editorial Review

Review

1. PRELIMINARIES. Precalculus Review I. Precalculus Review II. The Cartesian Coordinate System. Straight Lines. 2. FUNCTIONS, LIMITS, AND THE DERIVATIVE. Functions and Their Graphs. The Algebra of Functions. Functions and Mathematical Models. Limits. One-Sided Limits and Continuity. The Derivative. 3. DIFFERENTIATION. Basic Rules of Differentiation. The Product and Quotient Rules. The Chain Rule. Marginal Functions in Economics. Higher-Order Derivatives. Implicit Differentiation and Related Rates. Differentials. 4. APPLICATIONS OF THE DERIVATIVE. Applications of the First Derivative. Applications of the Second Derivative. Curve Sketching. Optimization I. Optimization II. 5. EXPONENTIAL AND LOGARITHMIC FUNCTIONS. Exponential Functions. Logarithmic Functions. Compound Interest. Differentiation of Exponential Functions. Differentiation of Logarithmic Functions. Exponential Functions as Mathematical Models. 6. INTEGRATION. Antiderivatives and the Rules of Integration. Integration by Substitution. Area and the Definite Integral. The Fundamental Theorem of Calculus. Evaluating Definite Integrals. Area between Two Curves. Applications of the Definite Integral to Business and Economics. 7. ADDITIONAL TOPICS IN INTEGRATION. Integration by Parts. Integration Using Tables of Integrals. Numerical Integration. Improper Integrals. Volumes of Solids of Revolution. 8. CALCULUS OF SEVERAL VARIABLES. Functions of Several Variables. Partial Derivatives. Maxima and Minima of Functions of Several Variables. The Method of Least Squares. Constrained Maxima and Minima and the Method of Lagrange Multipliers. Total Differentials. Double Integrals. Applications of Double Integrals. 9. DIFFERENTIAL EQUATIONS. Differential Equations. Separation of Variables. Applications of Separable Differential Equations. Approximate Solutions of Differential Equations. 10. PROBABILITY AND CALCULUS. Probability Distributions of Random Variables. Expected Value and Standard Deviation. Normal Distributions. 11. TAYLOR POLYNOMIALS AND INFINITE SERIES. Taylor Polynomials. Infinite Sequences. Infinite Series. Series with Positive Numbers. Power Series and Taylor Series. More on Taylor Series. Newton's Method. 12. TRIGONOMETRIC FUNCTIONS. Measurement of Angles. The Trigonometric Functions. Differentiation of Trigonometric Functions. Integration of Trigonometric Functions APPENDIX A. The Inverse of a Function. The Graphs of Inverse Functions. Functions That Have Inverses. Finding the Inverse of a Function. APPENDIX B. Indeterminate Forms and l'Hopital's Rule. The Indeterminate Forms $0/0$ and ∞/∞ . APPENDIX C. The Standard Normal Distribution. Answers to Odd-Numbered Exercises. Index.

About the Author

Soo T. Tan has published numerous papers in Optimal Control Theory and Numerical Analysis. He received his S.B. degree from Massachusetts Institute of Technology, his M.S. degree from the University of Wisconsin-Madison, and his Ph.D. from the University of California at Los Angeles. "One of the most important lessons I learned from my early experience teaching these courses is that many of the students come into these courses with some degree of apprehension. This awareness led to the intuitive approach I have adopted in all of my texts."

Users Review

From reader reviews:

Sharon Hall:

Within other case, little people like to read book Applied Calculus for the Managerial, Life, and Social Sciences. You can choose the best book if you like reading a book. Given that we know about how is important any book Applied Calculus for the Managerial, Life, and Social Sciences. You can add understanding and of course you can around the world by the book. Absolutely right, due to the fact from book you can know everything! From your country right up until foreign or abroad you will end up known. About simple issue until wonderful thing you are able to know that. In this era, we could open a book as well as searching by internet device. It is called e-book. You should use it when you feel bored stiff to go to the library. Let's learn.

Renee Oneal:

Nowadays reading books be than want or need but also become a life style. This reading addiction give you lot of advantages. Advantages you got of course the knowledge your information inside the book in which improve your knowledge and information. The info you get based on what kind of reserve you read, if you want send more knowledge just go with education and learning books but if you want really feel happy read one with theme for entertaining such as comic or novel. The particular Applied Calculus for the Managerial, Life, and Social Sciences is kind of publication which is giving the reader capricious experience.

Jennifer Ruiz:

Do you have something that you prefer such as book? The book lovers usually prefer to choose book like comic, brief story and the biggest the first is novel. Now, why not trying Applied Calculus for the Managerial, Life, and Social Sciences that give your enjoyment preference will be satisfied by means of reading this book. Reading routine all over the world can be said as the method for people to know world far better then how they react in the direction of the world. It can't be stated constantly that reading behavior only for the geeky particular person but for all of you who wants to possibly be success person. So , for every you who want to start examining as your good habit, you can pick Applied Calculus for the Managerial, Life, and Social Sciences become your own starter.

Calvin Copher:

Don't be worry if you are afraid that this book will certainly filled the space in your house, you may have it in e-book way, more simple and reachable. This specific Applied Calculus for the Managerial, Life, and Social Sciences can give you a lot of buddies because by you considering this one book you have factor that they don't and make anyone more like an interesting person. This particular book can be one of a step for you to get success. This publication offer you information that might be your friend doesn't know, by knowing more than other make you to be great persons. So , why hesitate? Let me have Applied Calculus for the Managerial, Life, and Social Sciences.

**Download and Read Online Applied Calculus for the Managerial,
Life, and Social Sciences By Soo T. Tan #6W50IZK3GSB**

Read Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan for online ebook

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan books to read online.

Online Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan ebook PDF download

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan Doc

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan Mobipocket

Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan EPub

6W50IZK3GSB: Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan