



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://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://goengage.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](#)

Download and Read Free Online Applied Calculus for the Managerial, Life, and Social Sciences By Soo T. Tan

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:

Arthur Walker:

Have you spare time for any day? What do you do when you have much more or little spare time? That's why, you can choose the suitable activity intended for spend your time. Any person spent their very own spare time to take a go walking, shopping, or went to the actual Mall. How about open as well as read a book titled Applied Calculus for the Managerial, Life, and Social Sciences? Maybe it is to be best activity for you. You understand beside you can spend your time using your favorite's book, you can wiser than before. Do you agree with their opinion or you have some other opinion?

Vernie Ruiz:

What do you with regards to book? It is not important with you? Or just adding material when you want something to explain what yours problem? How about your free time? Or are you busy man? If you don't have spare time to accomplish others business, it is gives you the sense of being bored faster. And you have time? What did you do? Every individual has many questions above. They should answer that question mainly because just their can do this. It said that about e-book. Book is familiar in each person. Yes, it is proper. Because start from on pre-school until university need this specific Applied Calculus for the Managerial, Life, and Social Sciences to read.

David Bergeron:

The actual book Applied Calculus for the Managerial, Life, and Social Sciences will bring someone to the new experience of reading any book. The author style to elucidate the idea is very unique. When you try to find new book you just read, this book very appropriate to you. The book Applied Calculus for the Managerial, Life, and Social Sciences is much recommended to you to see. You can also get the e-book through the official web site, so you can more readily to read the book.

Jerry Osbourne:

A lot of people always spent their very own free time to vacation or maybe go to the outside with them family or their friend. Do you realize? Many a lot of people spent that they free time just watching TV, or maybe playing video games all day long. In order to try to find a new activity here is look different you can read a new book. It is really fun in your case. If you enjoy the book you read you can spent the whole day to reading a e-book. The book Applied Calculus for the Managerial, Life, and Social Sciences it doesn't matter what good to read. There are a lot of folks that recommended this book. These people were enjoying reading this book. When you did not have enough space to develop this book you can buy the e-book. You can m0ore very easily to read this book out of your smart phone. The price is not to cover but this book has high quality.

Download and Read Online Applied Calculus for the Managerial,

Life, and Social Sciences By Soo T. Tan #RSQYTGIIH18D

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