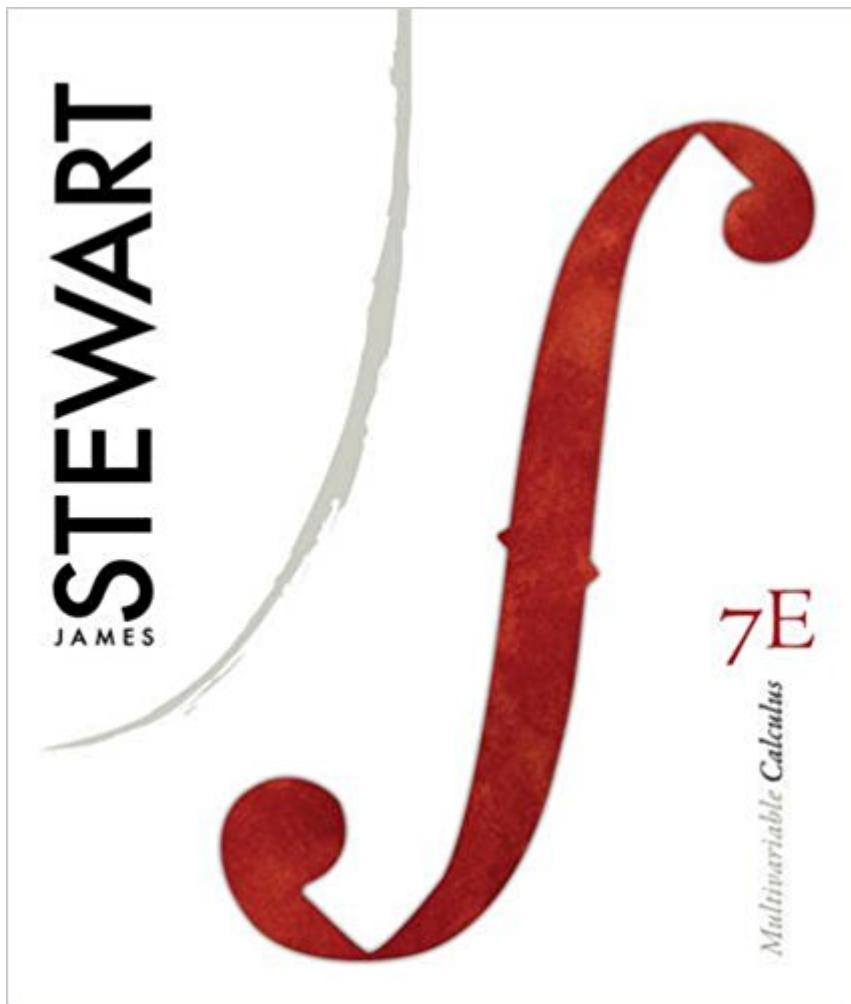


The book was found

Multivariable Calculus, 7th Edition



Synopsis

Success in your calculus course starts here! James Stewart's CALCULUS texts are world-wide best-sellers for a reason: they are clear, accurate, and filled with relevant, real-world examples. With MULTIVARIABLE CALCULUS, Seventh Edition, Stewart conveys not only the utility of calculus to help you develop technical competence, but also gives you an appreciation for the intrinsic beauty of the subject. His patient examples and built-in learning aids will help you build your mathematical confidence and achieve your goals in the course!

Book Information

Hardcover: 600 pages

Publisher: Brooks Cole; 7 edition (January 1, 2011)

Language: English

ISBN-10: 0538497874

ISBN-13: 978-0538497879

Product Dimensions: 10.1 x 8.7 x 1 inches

Shipping Weight: 3 pounds

Average Customer Review: 4.1 out of 5 stars 73 customer reviews

Best Sellers Rank: #9,232 in Books (See Top 100 in Books) #34 in Books > Textbooks > Science & Mathematics > Mathematics > Calculus #37 in Books > Science & Math > Mathematics > Pure Mathematics > Calculus #39 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Elementary

Customer Reviews

Enhanced WebAssign Allows You to Learn at Your Own Pace [View larger](#) [View](#)

[larger](#) [View larger](#) [View larger](#) It's Not About Homework.

It's About Learning. Forget everything you thought about completing math or science assignments. Enhanced WebAssign is not about memorizing formulas.

It's about achieving success and gaining a deep understanding of math and science. You get Coached. Enhanced WebAssign breaks down math and science problems into small, achievable steps. Using built-in tools, you get the help you need even when you are stuck. Because your instructor tailors Enhanced WebAssign to the course goals, every reading, video, exercise and quiz is there to prepare you for finals. No more exam surprises! You get Instant Feedback. A system of bonus and penalty points

identifies the areas you need to work on. And youÃƒÂ¢Ã ¬Ã ã,Ã¢re never marked down for entering a differently formatted correct answer. EWA Has Everything You Need. Learning at your own pace, instant grades online, tutorials, videos and practice problems. Enhanced WebAssign helps you learn math and science, not just do homework.

10. PARAMETRIC EQUATIONS AND POLAR COORDINATES. Curves Defined by Parametric Equations. Laboratory Project: Families of Hypocycloids. Calculus with Parametric Curves. Laboratory Project: Bezier Curves. Polar Coordinates. Laboratory Project: Families of Polar Curves. Areas and Lengths in Polar Coordinates. Conic Sections. Conic Sections in Polar Coordinates. Review. 11. INFINITE SEQUENCES AND SERIES. Sequences. Laboratory Project: Logistic Sequences. Series. The Integral Test and Estimates of Sums. The Comparison Tests. Alternating Series. Absolute Convergence and the Ratio and Root Tests. Strategy for Testing Series. Power Series. Representations of Functions as Power Series. Taylor and Maclaurin Series . Laboratory Project: An Elusive Limit. Writing Project: How Newton Discovered the Binomial Series. Applications of Taylor Polynomials. Applied Project: Radiation from the Stars. Review. 12. VECTORS AND THE GEOMETRY OF SPACE. Three-Dimensional Coordinate Systems. Vectors. The Dot Product. The Cross Product. Discovery Project: The Geometry of a Tetrahedron. Equations of Lines and Planes. Cylinders and Quadric Surfaces. Review. 13. VECTOR FUNCTIONS. Vector Functions and Space Curves. Derivatives and Integrals of Vector Functions. Arc Length and Curvature. Motion in Space: Velocity and Acceleration. Applied Project: Kepler's Laws. Review. 14. PARTIAL DERIVATIVES. Functions of Several Variables. Limits and Continuity. Partial Derivatives. Tangent Planes and Linear Approximation. The Chain Rule. Directional Derivatives and the Gradient Vector. Maximum and Minimum Values. Applied Project: Designing a Dumpster. Discovery Project: Quadratic Approximations and Critical Points. Lagrange Multipliers. Applied Project: Rocket Science. Applied Project: Hydro-Turbine Optimization. Review. 15. MULTIPLE INTEGRALS. Double Integrals over Rectangles. Iterated Integrals. Double Integrals over General Regions. Double Integrals in Polar Coordinates. Applications of Double Integrals. Triple Integrals. Discovery Project: Volumes of Hyperspheres. Triple Integrals in Cylindrical Coordinates. Discovery Project: The Intersection of Three Cylinders . Triple Integrals in Spherical Coordinates. Applied Project: Roller Derby. Change of Variables in Multiple Integrals. Review. 16. VECTOR CALCULUS. Vector Fields. Line Integrals. The Fundamental Theorem for Line Integrals. Green's Theorem. Curl and Divergence. Parametric Surfaces and Their Areas. Surface Integrals. Stokes' Theorem. Writing Project: Three Men and Two Theorems. The Divergence Theorem. Summary. Review. 17. SECOND-ORDER DIFFERENTIAL

EQUATIONS. Second-Order Linear Equations. Nonhomogeneous Linear Equations. Applications of Second-Order Differential Equations. Series Solutions. Review. APPENDIXES. F. Proofs of Theorems. G. Graphing Calculators and Computers . H. Complex Numbers. I. Answers to Odd-Numbered Exercises. --This text refers to an out of print or unavailable edition of this title.

The late James Stewart received his M.S. from Stanford University and his Ph.D. from the University of Toronto. He did research at the University of London and was influenced by the famous mathematician George Polya at Stanford University. Stewart was most recently Professor of Mathematics at McMaster University, and his research field was harmonic analysis. Stewart was the author of a bestselling calculus textbook series published by Cengage, including CALCULUS, CALCULUS: EARLY TRANSCENDENTALS, and CALCULUS: CONCEPTS AND CONTEXTS, as well as a series of precalculus texts.

This review applies only to the hardcover book ISBN 978-0-538-49787-9. If I were able, I would have given this 4.5 stars just because there are a few sections here and there that are not, perhaps, explained as well as they could be, but overall the quality of the book--it's writing, examples, and homework problems-- is excellent. Each chapter has a decent number of relevant examples and the selection and organization of homework problems does a good job of providing opportunities to practice the material. If you have not been a stellar math student or have not taken math for a long time, it would be a good idea to review chapter 10 on your own if your class is starting with a later chapter. Reading through the book's preface is a good idea as it has references to other resources. This book alone will not likely be enough to successfully master the material. Being competent with a graphing calculator is a big help with the material covered in this book. Most students will need the Slader solutions site or manual or the Stewart solutions manual unless they attend a college that has very robust tutoring assistance. This class covers a tremendous amount of material. If you have the opportunity to get the book and solutions manual ahead of time and work problems to review the following core areas: Chapters 10 (Parametric Equations and Polar Coordinates) 12 & 13 (Vectors and Vector Functions) before the class starts, so much the better. This textbook emphasizes the ability to solve many types of problems. Although some proofs are given in the chapters, my professor did not emphasize being able to do proofs. If you are taking a Calc III class that requires a lot of proofs, you may want to get another textbook that emphasizes that more. Overall, it was one of the best written math textbooks I have used. It also includes a lot of high quality illustrations.

I had not seen calculus in over 8 years. I took this course and the number of problems in this book was fantastic. The examples in each section are also very helpful. The pictures and graphs are usually pretty good too. I would say to watch youtube videos if you want to get the best lessons, and use the textbook problems for practice. There is no other way to succeed in calculus unless you do the problems. As many as possible. The book is what you make of it.

[Please note that this book is specially made for UC Berkeley use ONLY] The problems follow the college calculus material well, and even though some of the explanations and proofs may be found a bit lacking if one does self-study, this textbook is intended to be accompanied by lectures; in this capacity, Stewart does not disappoint. We used Stewart's other book, Early Transcendentals at my university (not UC Berkeley where I used this book for a summer course), and I can tell you that this book has the same quality level problem sets for you to practice with for both homework assignments and exam review. The problems are challenging and cohesive with the learning material, and really helps to give the student a firm grasp of single variable calculus. Please note again, though, that this would not be a good book for self-study because of some of the more difficult concepts that are not explained to the full detail they should be. I would highly recommend purchasing this book on [Amazon](#) because it is substantially cheaper than a university bookstore, and please note that this is a paperback, which makes it very easy to transport. We college students already have way too many heavy textbooks to carry around, and it is a relief to be able to carry such a great textbook without too much strain. You really can't go wrong with a Stewart calculus textbook anyway, being renowned and popular as his textbooks are with university professors; this textbook is no exception! Please don't hesitate to leave a comment and ask questions if you'd like! I'd be more than happy to answer them.

This is a pretty good textbook, and I was able to follow the examples. This book was required for my class, and at first I was a little bit skeptical, because it is such a short textbook, but I still did well. The book does not go into great depth as far as some of the section examples, and sometimes some steps in the calculations are skipped in the examples, but overall I liked it and could follow the examples. I would recommend using the Stewart solutions manual with this textbook, and sometimes this book refers to the other Stewart Calculus book that includes Chapters 1-9, so if you already have those, that might be helpful. Also, if you have forgotten your trig identities, you should find a good website to reference, because I used those a lot to solve problems in this book.

This is a good calculus book for learning the math in depth. The practice problems were very helpful and the material was dense but well-explained. I used this for a 300-level college calculus course.

The textbook does its job and teaches calculus. I was able to follow what it was saying. Are there any errors? I don't know because I'm not a professional nor did I read the entire book and scan it for errors. Only reason I knocked a star off of this is that the appendix doesn't show how to solve the problems, they just give you the answer. Also, the questions you can check on their website only give hints and don't really explain how to solve the problems enough. That's just something I like to see, but other than that, it's fine with me.

Best math textbooks out there. Everything is clear- equations, examples, problems. There is a fantastic logical progression from one point to the next and the examples put everything together. I think you can actually learn the material directly from this book (and the other books by Stewart). And when you get to the problems you actually know what to do and where to look if you can't do it.

[Download to continue reading...](#)

Multivariable Calculus, 7th Edition Multivariable Calculus (Available 2010 Titles Enhanced Web Assign) Multivariable Calculus Multivariable Mathematics (4th Edition) Bundle: Calculus: Early Transcendentals, Loose-Leaf Version, 8th + WebAssign Printed Access Card for Stewart's Calculus: Early Transcendentals, 8th Edition, Multi-Term Single Variable Calculus: Early Transcendentals Plus MyMathLab with Pearson eText -- Access Card Package (2nd Edition) (Briggs/Cochran/Gillett Calculus 2e) Calculus For Biology and Medicine (3rd Edition) (Calculus for Life Sciences Series) Finite Mathematics and Calculus with Applications Plus MyMathLab with Pearson eText -- Access Card Package (10th Edition) (Lial, Greenwell & Ritchey, The Applied Calculus & Finite Math Series) Student Solutions Manual for Stewart/Day's Calculus for Life Sciences and Biocalculus: Calculus, Probability, and Statistics for the Life Sciences Calculus for Biology and Medicine (Calculus for Life Sciences Series) Calculus, Vol. 2: Multi-Variable Calculus and Linear Algebra with Applications to Differential Equations and Probability Principles of Tensor Calculus: Tensor Calculus The Absolute Differential Calculus (Calculus of Tensors) (Dover Books on Mathematics) Student Solutions Manual for Stewart's Single Variable Calculus: Early Transcendentals, 8th (James Stewart Calculus) Student Solutions Manual, Chapters 1-11 for Stewart's Single Variable Calculus, 8th (James Stewart Calculus) Calculus On Manifolds: A Modern Approach To Classical Theorems Of Advanced Calculus Calculus 1 (APEX Calculus v3.0) (Volume 1) Essential Calculus-based Physics Study Guide Workbook: Electricity and Magnetism (Learn

Physics with Calculus Step-by-Step Book 2) 100 Instructive Calculus-based Physics Examples: Electricity and Magnetism (Calculus-based Physics Problems with Solutions Book 2) Essential Calculus-based Physics Study Guide Workbook: Electricity and Magnetism (Learn Physics with Calculus Step-by-Step) (Volume 2)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)