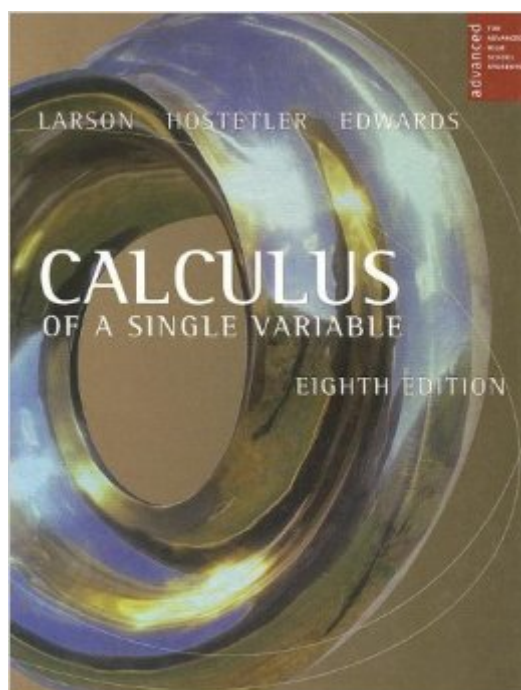


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Calculus Of A Single Variable For Advanced High School Students, 8th Edition



Synopsis

Ideal for the single-variable, one-, or two-semester calculus course, *Calculus of a Single Variable*, 8/e, contains the first 9 chapters of *Calculus*, 8/e. The text continues to offer instructors and students new and innovative teaching and learning resources. The *Calculus* series was the first to use computer-generated graphics, to include exercises involving the use of computers and graphing calculators, to be available in an interactive CD-ROM format, to be offered as a complete, online calculus course, and to offer a two-semester *Calculus I with Precalculus* text. Every edition of the series has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and, when appropriate, calculus reform ideas. Now, the Eighth Edition is the first calculus program to offer algorithmic homework and testing created in Maple so that answers can be evaluated with complete mathematical accuracy. Two primary objectives guided the authors in writing this book: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques and saves the instructor time. The Eighth Edition continues to provide an evolving range of conceptual, technological, and creative tools that enable instructors to teach the way they want to teach and students to learn the way they learn best. --This text refers to an out of print or unavailable edition of this title.

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Customer Reviews

I own the 1998 edition of this book from a Calculus I course I took at a community college in 2001. At \$120, it was the second most expensive textbook and probably the one most worth its money

that I own to date. I kept it and used it to teach myself Calculus II and III, as the university I transferred to used a rather hideous book; I used it as a reference for physics; and when I finally went back to school last spring for an advanced undergrad/low level graduate course in probability and statistics last year, I re-taught myself much forgotten Calculus II material from this book. (In Calculus II and III I often worked problems out of this book to learn the material well enough to complete the assigned problems, as the university textbook did not have enough solutions with given answers to check your learning.) It is written well enough to teach yourself to a great extent. The authors explain all terminology well in both plain English and symbols, and don't leave any missing gaps in their worked examples. This makes it easy to grasp for a first-time learner and probably a useful reminder to anyone else. When I used it as a reference for later courses, I found it useful not to have to fill in any missing gaps in logic when I pressed for time and needed to learn something quickly. The many, many exercises left for students to solve ensure that you will eventually understand all the concepts if you work enough problems. Advanced students can tackle the chapter motivations, exploration and historical problems given in boxes alongside the material, and work through selected proofs provided in the appendix. The visual representations of concepts in this book are unparalleled. None of my other undergraduate texts in mathematics come close.

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