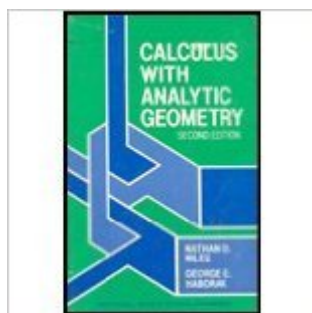


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Calculus With Analytic Geometry (2nd Edition) (Prentice-Hall Series In Technical Mathematics)



Book Information

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Customer Reviews

I used this book in my freshman calculus course quite some time ago, but found it very readable and well laid out. Since then I've gone back to grad school and am taking courses in mathematical physics and quantum mechanics. This book has been such an invaluable resource that I just bought another copy to replace the old one (which is totally falling apart!). It has been an essential tool for solving the grueling problem sets that have been assigned to me this semester. Being that this is an old and out of print edition, I was able to buy it for next to nothing, which makes it even better! Besides, calculus doesn't change, just the pretty pictures and graphs that get put into the calculus text books. Unless you need a certain book for a particular class, you'll be better off buying the 6th ed. of this book. It's much more affordable and has all the information as a \$100 text...just less pictures.

I used this textbook in my Calculus I & II classes, in college, back in 1983-4. I actually studied this textbook, outside of class, and with the study problems, with answers in the back of this book, I learned much of calculus on my own! I loaned it to my math teacher at a vocational school (dropped out of Engineering classes, went to vo-tech to become a Technician, instead -- still loving it!), and the teacher tried to order copies for her future classes! Loaned it to a fellow technician, on the job, years later, who told me he "collects" calculus textbooks -- he wanted a copy for himself, as well. To me, this is a great calculus text, if you have a solid understanding of Algebra. YMMV. Cheers!

You do not need to have this book in order to take Calculus at OCW.MIT.EDU. Some of the courses supply all the pages that you need to read. I bought this book so that I'd have additional problems to work on, and a book to review when I needed more information compared to what I had gotten from the lectures. The name of the program is "Online Courseware" (OCW) at Massachusetts Institute of Technology (yes, that MIT). The courses are available to all ages, as long as you satisfy the prerequisites, so high school students are welcome, but students should note that MIT does not issue credit for courses taken here. <http://ocw.mit.edu> is a free program with thousands of courses available absolutely for free, though books can help you understand some of the courses and, in fact, sometimes books are required, but you should be able to find used copies as I did. I am taking 18.01SC, the Freshman Calculus course that has been optimized for independent scholars. You can see more information about it

here: <http://ocw.mit.edu/courses/mathematics/18-01sc-single-variable-calculus-fall-2010> Though MIT includes all required readings as downloadable PDF's for this course, I decided that I would also get some books to study, too. This book is an excellent resource to accompany all the lectures that were actually given to MIT students a few years ago. I look forward to acing this course, and going on to other courses that OCW.MIT.EDU offers to me in the months and years to come.

I'm doing calculus and intending to use it for computer programming. This book gives full coverage of several pieces of material which are not in or are poorly explained in the recent books on this subject. The author does an excellent job of giving a solid set of examples and exercises (that directly relate to the examples) that you can immediately dig into.

I've taught high school AP Calc for years from this book. As one student put it, it's not full of the annoying "pop ups" you find in newer books. It's clear and easy to follow. It does have interesting historical notes, but they're conveniently set off from the main text, without interrupting or cluttering the page. There are tons of problems, both after each section and at the end of each chapter, that range from very easy to quite challenging. That being said, it's not a great book for lower-ability students; it uses a lot of geometric reasoning and doesn't have too many very easy problems. If you like and succeed at math, this is a great book, but if you need more hand holding, you might also want a copy of Schaum's Outline: 3000 Solved Problems in Calculus".

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