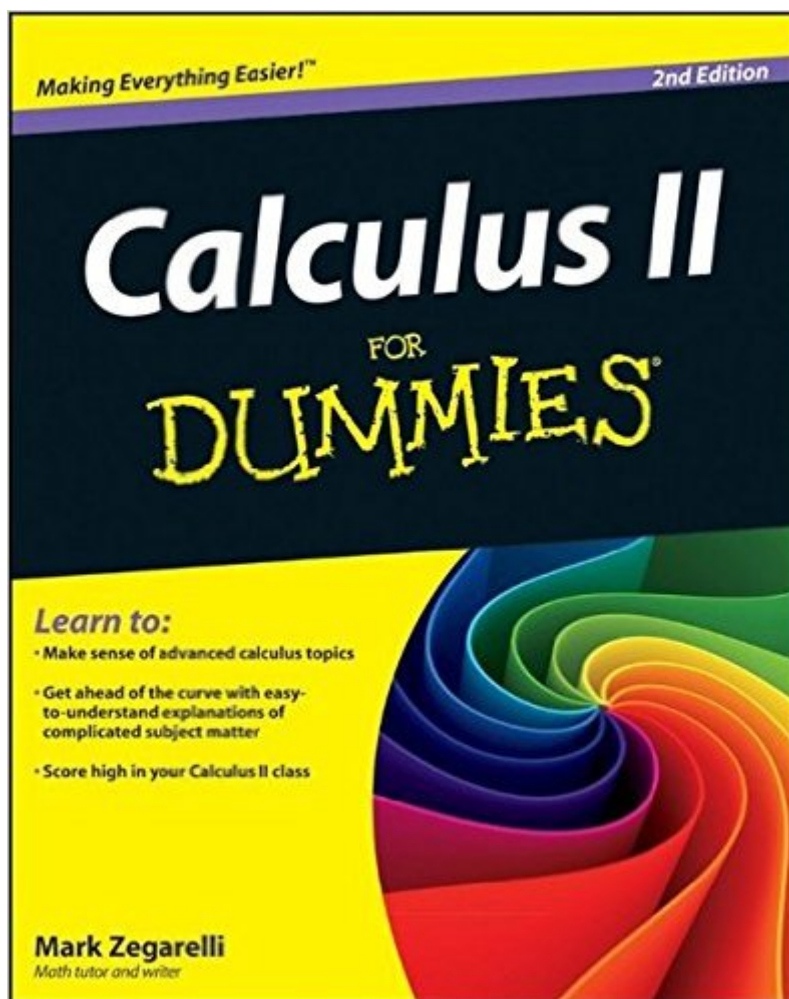# The book was found

Calculus II For Dummies

Synopsis

An easy-to-understand primer on advanced calculus topics Calculus II is a prerequisite for many popular college majors, including pre-med, engineering, and physics. Calculus II For Dummies offers expert instruction, advice, and tips to help second semester calculus students get a handle on the subject and ace their exams. It covers intermediate calculus topics in plain English, featuring in-depth coverage of integration, including substitution, integration techniques and when to use them, approximate integration, and improper integrals. This hands-on guide also covers sequences and series, with introductions to multivariable calculus, differential equations, and numerical analysis. Best of all, it includes practical exercises designed to simplify and enhance understanding of this complex subject. Introduction to integration Indefinite integrals Intermediate Integration topics Infinite series Advanced topics Practice exercises Confounded by curves? Perplexed by polynomials? This plain-English guide to Calculus II will set you straight!

Book Information

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Customer Reviews

Most of this book (pg 1 - 283 out of 368pgs including index) is covered in the first "Calculus for Dummies" book. In some topics, this book (Calculus II for Dummies) uses the same exact problems that were used in "Calculus for Dummies" Personally i liked the way Mark Ryan wrote the his book and found it much more enjoyable reading than this book. And the fact that "Calculus for Dummies" covers all the way up to Infinite series is quite amazing since this is the last topic covered in my Calc II class. Calculus II for Dummies does however offer some different approaches in handling problems. Calculus II for Dummies covers a very detailed review of Calc I topics which can be a

great help for those of you who need a refreshment.

Did anyone proofread this book before it went to press?!? MANY of the examples, particularly in the later chapters, are just slightly WRONG from a typesetting perspective, but completely wrong from a mathematical perspective. I expected better from the "For Dummies" brand.Also, at least half of the book is review of Calc I. Coverage of Calc II topics is spotty. The chapters on integration techniques are pretty thorough, but the chapter on infinite series barely scratches the surface.There are better Calc II resources out there. The Calculus Lifesaver by Adrian Banner is not quite as humorous, but at least I haven't found any glaring errors yet.

Sometimes it takes a while to overcome a prejudice and a misconception. I once swore I'd never use any book labeled "For Dummies", considering any such title as being beneath my dignity. Having recently discovered that dignity often precludes understanding, I decided to throw caution to the winds and read Calculus II For Dummies. It is superb. So much for preconceived ideas. I took Calculus years ago and I decided a refresher was in order for some further self-study. Integration constitutes the lion's share of the second Calculus course in the sequence, and it makes up most of the material contained in this book.Calculus II For Dummies is easy to read, it is full of superb illustrative examples, and it is always coherent and clear. Unlike Calculus textbooks, which are organized on a progressive basis, piling fact-upon-fact, this For Dummies book dives right into the material, excludes everything not immediately relevant to the discussion at hand and assumes that clarity and not quantity is the most important organizing principle. If you are having trouble understanding the material in your text, you might try reading this excellent overview of Calculus II. I think you might find it both helpful and a pleasure to use.

If, and only if, you are capable of explaining technical things in non-technical terms, can it be said you truly understand them. Mark Zegarelli truly understands Calculus, and because he does, so will you upon working through his book. Too often, writers of mathematics books seem more interested in impressing their readers than teaching them. Many times, I have come away from such a book declaring, "The writer sure seems to know what he's talking about. I only wish I did." This cannot be said of Calculus II. Mark Zegarelli is not out to impress you, he truly wants to TEACH you. And he does. Thanks to his many examples and explanations, a subject you may have approached with fear and trembling turns out to be one from which you walk away saying, "I can do that!" Nothing is more satisfying, or conducive to the learning experience. Zegarelli also avoids another of the traps

so common to authors of mathematics books: too many authors write in such a way as to presuppose that you already know the subject you bought the book to learn. The wording of Calculus II is friendly, helpful, cheerful, and conveys all necessary information without patronizing or talking down to the reader. This enjoyable book will definately improve your grade. You need this book!

This book claims to give a "solid introduction" to what you'd encounter in a Calc 2 course. It's more of a bird's-eye view of the subject. The author also claims that you can use the book for self-study. You can, but only sort-of.This book has the same problem that lots of textbooks have: too many skipped steps. This is especially bad when complex techniques are being introduced. The author gives a basic description of how to do something and then tells you to just finish up this problem yourself using techniques taught in "previous sections." This is bad for a learner, and it doesn't really fit with the whole Dummies approach of complete explanations. What's worse is that the "previous sections" give simple examples, and what's left to you is usually something complex. Worst of all, the author doesn't even give you an answer so you can at least check if you got it right.There are also mistakes in the book (e.g. on page 58, the derivative of e to the x is 1?). The author also doesn't do a good job of telling you when to choose one technique over another one. Instead, he splats everything out for you to memorize.Students learn by going through fully worked examples, and the strength of Dummies books has always been that everything is written down in examples. Too bad this one falls flat in that regard.

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