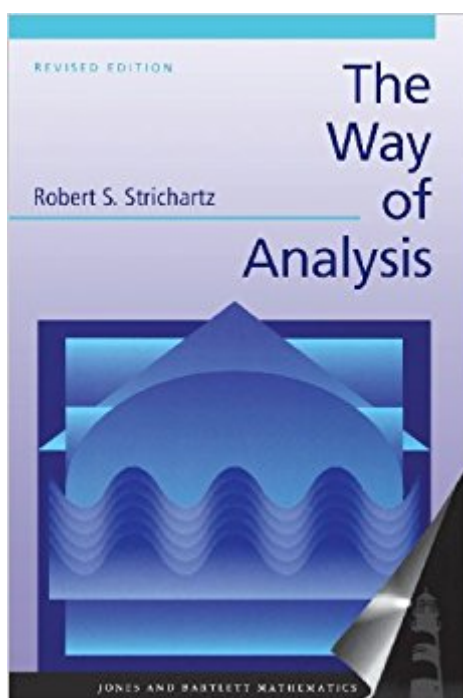


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The Way Of Analysis, Revised Edition (Jones And Bartlett Books In Mathematics)



Synopsis

The Way of Analysis gives a thorough account of real analysis in one or several variables, from the construction of the real number system to an introduction of the Lebesgue integral. The text provides proofs of all main results, as well as motivations, examples, applications, exercises, and formal chapter summaries. Additionally, there are three chapters on application of analysis, ordinary differential equations, Fourier series, and curves and surfaces to show how the techniques of analysis are used in concrete settings.

Book Information

Series: Jones and Bartlett Books in Mathematics

Paperback: 739 pages

Publisher: Jones & Bartlett Learning; Revised edition (June 16, 2000)

Language: English

ISBN-10: 0763714976

ISBN-13: 978-0763714970

Product Dimensions: 6 x 1.5 x 9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 34 customer reviews

Best Sellers Rank: #667,117 in Books (See Top 100 in Books) #82 in [Books > Science & Math > Mathematics > Geometry & Topology > Analytic Geometry](#) #395 in [Books > Textbooks > Science & Mathematics > Mathematics > Geometry](#) #546 in [Books > Science & Math > Mathematics > Mathematical Analysis](#)

Customer Reviews

Pros: It explains a lot of the motivation of why we are studying something, and it helps you grasp the idea intuitively. The proofs are easy to follow, explaining in detail. Clear explanation and good example problems. It is definitely recommended for self studying. **Cons:** In a way, it's "too explanatory." It feels like I am reading a lecture and honestly, it's a little slow for some easy to grasp concepts. It gets tiring after a while, so this is the reason I did not give it 5 stars. **Summary:** It's a great book; easy to follow, intuitive motivations and explanations and the arguments flow so it is recommended for people who actually spend time reading their math book. You might find it boring if you are pretty smart, because it explains a lot more than what is necessary.

Kind of terse but still very clear. It's of the style "less notation more words", so it feels like a tutor.

Although aimed for beginner, but doesn't lack of any important content. Even if you are using other book as textbook, it serve as a good companion.

Although I found some of the notation to be different from what I am used to seeing, it is equivalent and easy to comprehend. The content is comprehensive and I thought it was easy to read. Its probably not what would be considered as a main text for a class in Analysis, but it makes a valuable adjunct to almost any of the standard texts. I like it.

To anyone that is looking to take a first course to Analysis, this book is a great buy. It offers a smooth read with well organized and detailed Proofs. The book is easy to read as well since the Author tends to go into extra detail that some may not, in order to provide the reader with great depth in understanding the thought process involved in Analysis. Great Book.

This book works best if you think of it as a substitute for class lectures, while working through exercises and material from a more traditional text. In that role, it's truly excellent, and a fast, pleasant read, despite its bulk. The bits on approximation in function spaces are particularly well motivated, and include a juicy excursion into convolutions. Highly recommended for undergrad analysis students with time for some extra reading. Just make sure you have an actual textbook on hand for exercises and reference. Browder is good for the latter, Pugh for the former, and Rudin does both.

I read all the reviews on this book before writing. I have read about 3 chapters of the book. I believe this is how a book aimed to teach should be written. Some of the reviewers believed that the book was too verbose. These folks must be geniuses I really wonder about their intelligence. I have read Walter Rudin's book on some ones recommendation, It just sucked. Rudin is not a book from which you can learn analysis. It is one of the crappiest books ever written. It probably makes for a good reference but if the material was learnt it is more than likely u will not need a reference. If you are like me self studying analysis you will love this book. Like one of the reviewers said, this book is an easy read. Analysis was developed over centuries and without sufficient motivation and examples it is just impossible to come to grips with the subject. A bit more explanation never hurt anyone and this book has a lot of detail and points out subtleties that are easily missed if you read some of the other books on analysis. One example is the difference between a limit point and the limit of a sequence. I did not know the difference till I read this book. I bet you some of the geniuses that read

Rudin believe they are the same. I also liked the development of Reals as equivalence classes of sequences of rationals it makes so much sense to do it that way. Rudin in his infinite wisdom chose to develop the real numbers as a field/dedekind cuts, go figure. For any undergraduate or graduate student looking at analysis for the first time this is a book one must have.

I actually quite enjoyed this book.

The current mathematics text landscape is a troubling one: Most of the standard texts are great as references, but are often not very effective at conveying the material to a student approaching a subject for the first time. Refreshingly, this book does not suffer from this failing; instead, it is packed full of explanation, examples, context, and informational asides. In fact, it is so crammed full of text that often the actual point often becomes lost amid the explanation. This renders the text almost useless as a reference because it requires so much trudging to get to the point. I very much enjoyed some of the insights provided by this book, but ultimately I found it too much of an effort to sort out the central message from all the other fluff; I ultimately abandoned this book for a cleaner treatment. If you're trying to learn Analysis on your own, this may be a good starting point. If you're actually taking a class, this book is likely overkill in the exposition department. If you're looking for a reference, look elsewhere. In any case, you may want to consider Abbott's absolutely brilliant book Understanding Analysis, which manages to be a great presentation that succeeds all around.

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