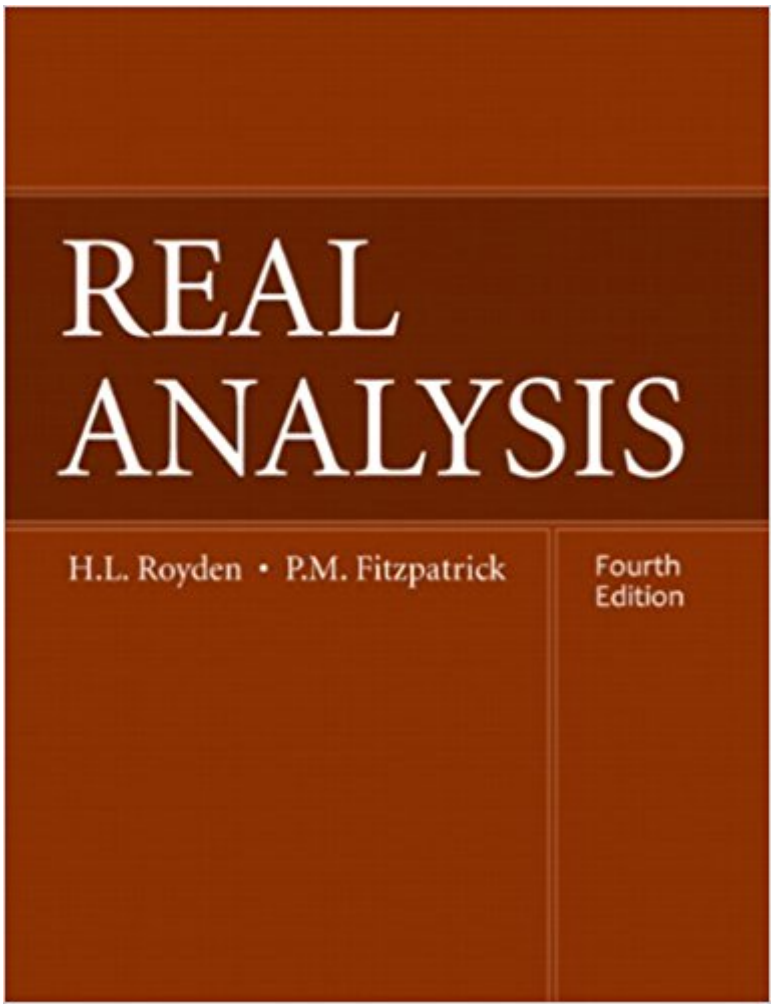
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Real Analysis (4th Edition)



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Synopsis

Real Analysis, Fourth Edition, covers the basic material that every reader should know in the classical theory of functions of a real variable, measure and integration theory, and some of the more important and elementary topics in general topology and normed linear space theory. This text assumes a general background in mathematics and familiarity with the fundamental concepts of analysis. Ã Â Classical theory of functions, including the classical Banach spaces; General topology and the theory of general Banach spaces; Abstract treatment of measure and integration. Ã Â For all readers interested in real analysis.

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Customer Reviews

Real Analysis, Fourth Edition,covers the basic material that every reader should know in the classical theory of functions of a real variable, measure and integration theory, and some of the more important and elementary topics in general topology and normed linear space theory. This text assumes a general background in mathematics and familiarity with the fundamental concepts of analysis.Ã Â Classical theory of functions, including the classical Banach spaces; General topology and the theory of general Banach spaces; Abstract treatment of measure and integration.Ã Â For all readers interested in real analysis.

I recently ordered a copy of this book from . I had tried without success to make sure that they sent me a late printing so that I could avoid the typos. Unfortunately, these efforts failed and the copy

they sent me had all of the 19 pages worth of errata still in it. I don't understand why that should be since the errata page says a corrected printing was to be created in 2011 and I was told personally by professor Fitzpatrick that a corrected printing has been published. The margin at the binding side is very narrow so that the book has to be forced all the way open in order to read all of it. Unfortunately, the binding is very flimsy and it is easy to imagine that it won't last long being constantly opened wide like that. I'm going to pass on this book unless I can be assured that these issues have been addressed and resolved.

Unfortunately, adding Fitpatrick to the authorship of this previously wonderful real analysis text did not benefit anyone--at least in the fourth edition, first printing. There were more errata in this text than I've ever seen in any other text. It makes you wonder if anyone was checking the text before it was published. I'm hoping later printings improved, but my professor, classmates, and I did not appreciate being beta testers. Unfortunately, because of the state of this text, the professors who loved and used Royden at my graduate school have since switched to Folland for all future real analysis course. It's quite a shame, and I'm not sure Mr. Royden would have been pleased.

I would give this book 5 star if it were not because of typos. I agree with the other review regarding typos: too many and the errata is 19 pages long. Almost every single page in every chapter has typos. Most typos are easy to fix, but there are some where you have to insert a paragraph to fix it. Lets hope for a fix in the next edition (I would buy it immediately.)There are some good books that are just as good as this one: Stein and Shakachi is better (just my taste), Tao's An introduction to Measure Theory is a good one too if you read it along with Stein and Shakachi since Tao wrote his book based on Stein and Shakachi (not really based on, but in the same approach and he has many awesome comment.)Thats being said, this is a good book to study but unfortunately, many typos keep it from perfect.

I used this book in my second semester analysis class. I think the book does a good job laying out measure theory and Lebesgue integration, and materials about topological spaces can serve as complement reading of Munkres' book (I'm taking topology at the same time). However, there are some typos in the book and some of the questions and examples are wrong.For example, p43, q18 is wrong; p143 q9 is wrong because in Young's inequality there is equality iff a^p=b^q, and on the same page the last example is incorrect.

This textbook has too many errors and typos! Entire problems are written incorrectly! You would be better off with the 3rd edition, or with another text entirely.

The information on R^1 integration is nice and easy to follow but the number of errors is totally unacceptable(19 pages as of errata). It appears no one proof-read the book.Knowing the number of errors I can’t recommended anyone buy this edition.

Great! Five stars!

There are a lot of issues with the book. The author posted an errata. Over all I really like the book though... except that errata is kinda long.

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