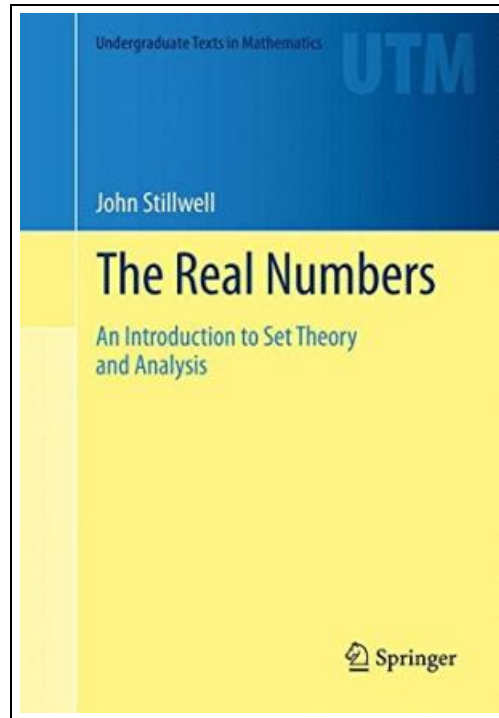


## The Real Numbers: An Introduction to Set Theory and Analysis



Filesize: 6.08 MB

### **Reviews**

*Completely among the finest ebook We have ever go through. I really could comprehended every little thing using this created e pdf. I am pleased to let you know that this is actually the greatest ebook i actually have read through inside my own daily life and might be he very best ebook for ever.*

**(Gordon Kertzmann)**

## THE REAL NUMBERS: AN INTRODUCTION TO SET THEORY AND ANALYSIS



To download **The Real Numbers: An Introduction to Set Theory and Analysis** PDF, please click the link under and save the ebook or get access to other information which might be highly relevant to THE REAL NUMBERS: AN INTRODUCTION TO SET THEORY AND ANALYSIS ebook.

Springer. Hardcover. Book Condition: New. Hardcover. 244 pages. Dimensions: 9.4in. x 6.4in. x 1.0in. While most texts on real analysis are content to assume the real numbers, or to treat them only briefly, this text makes a serious study of the real number system and the issues it brings to light. Analysis needs the real numbers to model the line, and to support the concepts of continuity and measure. But these seemingly simple requirements lead to deep issues of set theory: uncountability, the axiom of choice, and large cardinals. In fact, virtually all the concepts of infinite set theory are needed for a proper understanding of the real numbers, and hence of analysis itself. By focusing on the set-theoretic aspects of analysis, this text makes the best of two worlds: it combines a down-to-earth introduction to set theory with an exposition of the essence of analysis: the study of infinite processes on the real numbers. It is intended for senior undergraduates, but it will also be attractive to graduate students and professional mathematicians who, until now, have been content to assume the real numbers. Its prerequisites are calculus and basic mathematics. Mathematical history is woven into the text, explaining how the concepts of real number and infinity developed to meet the needs of analysis from ancient times to the late twentieth century. This rich presentation of history, along with a background of proofs, examples, exercises, and explanatory remarks, will help motivate the reader. The material covered includes classic topics from both set theory and real analysis courses, such as countable and uncountable sets, countable ordinals, the continuum problem, the Cantor-Schröder-Bernstein theorem, continuous functions, uniform convergence, Zorn's lemma, Borel sets, Baire functions, Lebesgue measure, and Riemann integrable functions. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.



[Read The Real Numbers: An Introduction to Set Theory and Analysis Online](#)



[Download PDF The Real Numbers: An Introduction to Set Theory and Analysis](#)



[Download ePub The Real Numbers: An Introduction to Set Theory and Analysis](#)

## See Also



**[PDF] Read Write Inc. Phonics: Blue Set 6 Non-Fiction 1 Save the Whale**

Click the link below to get "Read Write Inc. Phonics: Blue Set 6 Non-Fiction 1 Save the Whale" document.

[Read Book »](#)



**[PDF] California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Click the link below to get "California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" document.

[Read Book »](#)



**[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package**

Click the link below to get "Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package" document.

[Read Book »](#)



**[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package**

Click the link below to get "Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package" document.

[Read Book »](#)



**[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**

Click the link below to get "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" document.

[Read Book »](#)



**[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Click the link below to get "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" document.

[Read Book »](#)

**[PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds**

Click the link under to read "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" PDF file.

[Download ePub »](#)

**[PDF] The Kid Friendly ADHD and Autism Cookbook The Ultimate Guide to the Gluten Free Casein Free Diet by Pamela J Compart and Dana Laake 2006 Hardcover**

Click the link under to read "The Kid Friendly ADHD and Autism Cookbook The Ultimate Guide to the Gluten Free Casein Free Diet by Pamela J Compart and Dana Laake 2006 Hardcover" PDF file.

[Download ePub »](#)

**[PDF] The Mystery in the Smoky Mountains Real Kids, Real Places**

Click the link under to read "The Mystery in the Smoky Mountains Real Kids, Real Places" PDF file.

[Download ePub »](#)

**[PDF] The Gosh Awful Gold Rush Mystery Real Kids, Real Places**

Click the link under to read "The Gosh Awful Gold Rush Mystery Real Kids, Real Places" PDF file.

[Download ePub »](#)

**[PDF] Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Click the link under to read "Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)" PDF file.

[Download ePub »](#)

**[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 6 Tug, Tug**

Click the link under to read "Read Write Inc. Phonics: Green Set 1 Storybook 6 Tug, Tug" PDF file.

[Download ePub »](#)