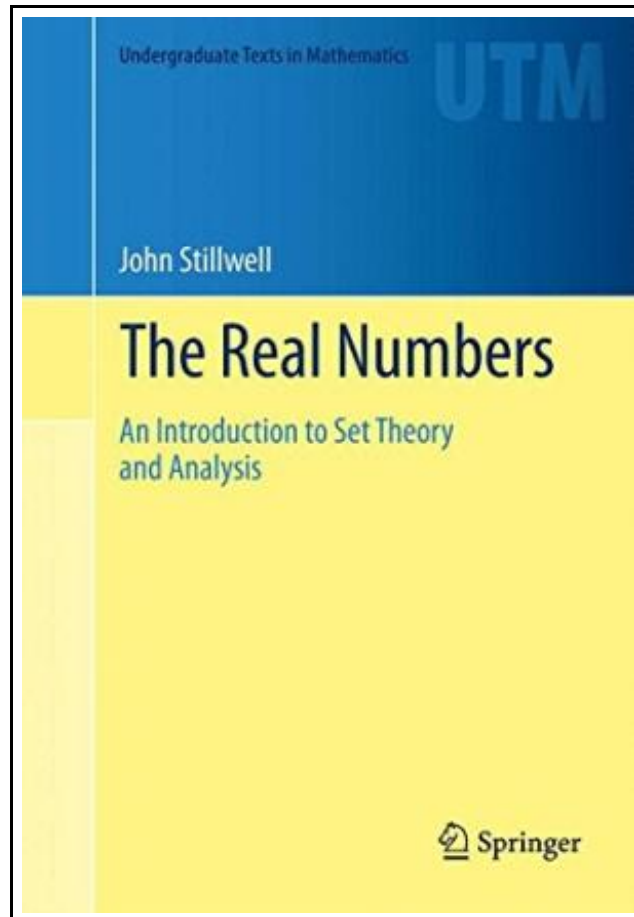


The Real Numbers: An Introduction to Set Theory and Analysis



Filesize: 3.24 MB

Reviews

The publication is not difficult in go through better to comprehend. I could comprehended everything using this created e publication. Its been designed in an exceptionally easy way in fact it is merely soon after i finished reading through this ebook by which basically transformed me, modify the way i really believe.

(Taylor Gleason)

THE REAL NUMBERS: AN INTRODUCTION TO SET THEORY AND ANALYSIS

[DOWNLOAD](#)

To read **The Real Numbers: An Introduction to Set Theory and Analysis** PDF, remember to click the button beneath and download the document or gain access to other information which are have conjunction with 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](#)

See Also



[PDF] Molly on the Shore, BFMS 1 Study score

Follow the link listed below to download and read "Molly on the Shore, BFMS 1 Study score" PDF file.

[Read PDF »](#)



[PDF] The Poems and Prose of Ernest Dowson

Follow the link listed below to download and read "The Poems and Prose of Ernest Dowson" PDF file.

[Read PDF »](#)



[PDF] Silverlight 5 in Action

Follow the link listed below to download and read "Silverlight 5 in Action" PDF file.

[Read PDF »](#)



[PDF] Magnificat in D Major, Bwv 243 Study Score Latin Edition

Follow the link listed below to download and read "Magnificat in D Major, Bwv 243 Study Score Latin Edition" PDF file.

[Read PDF »](#)



[PDF] Coronation Mass, K. 317 Vocal Score Latin Edition

Follow the link listed below to download and read "Coronation Mass, K. 317 Vocal Score Latin Edition" PDF file.

[Read PDF »](#)



[PDF] Scala in Depth

Follow the link listed below to download and read "Scala in Depth" PDF file.

[Read PDF »](#)