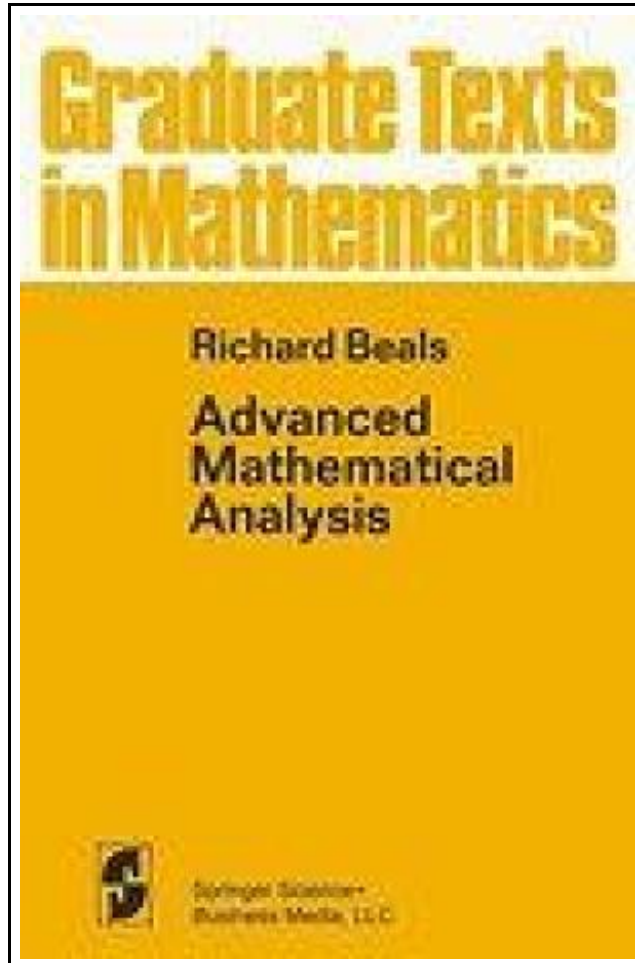


## Advanced Mathematical Analysis



Filesize: 2.58 MB

### ***Reviews***

*A must buy book if you need to adding benefit. It is actually rally fascinating throgh studying time. Your way of life span will likely be transform as soon as you complete looking over this publication.  
(Ms. Bernice Rolfson)*

## ADVANCED MATHEMATICAL ANALYSIS



To save **Advanced Mathematical Analysis** PDF, make sure you access the button beneath and download the file or gain access to additional information that are related to ADVANCED MATHEMATICAL ANALYSIS ebook.

Springer Feb 1974, 1974. Buch. Book Condition: Neu. 235x155x19 mm. This item is printed on demand - Print on Demand Titel. Neuware - One Basis concepts.- 1. Sets and functions.- 2. Real and complex numbers.- 3. Sequences of real and complex numbers.- 4. Series.- 5. Metric spaces.- 6. Compact sets.- 7. Vector spaces.- Two Continuous functions.- 1. Continuity, uniform continuity, and compactness.- 2. Integration of complex-valued functions.- 3. Differentiation of complex-valued functions.- 4. Sequences and series of functions.- 5. Differential equations and the exponential function.- 6. Trigonometric functions and the logarithm.- 7. Functions of two variables.- 8. Some infinitely differentiable functions.- Three Periodic functions and periodic distributions.- 1. Continuous periodic functions.- 2. Smooth periodic functions.- 3. Translation, convolution, and approximation.- 4. The Weierstrass approximation theorems.- 5. Periodic distributions.- 6. Determining the periodic distributions.- 7. Convolution of distributions.- 8. Summary of operations on periodic distributions.- Four Hilbert spaces and Fourier series.- 1. An inner product in  $L^2$  and the space  $L^2$ .- 2. Hilbert space.- 3. Hilbert spaces of sequences.- 4. Orthonormal bases.- 5. Orthogonal expansions.- 6. Fourier series.- Five Applications of Fourier series.- 1. Fourier series of smooth periodic functions and periodic distributions.- 2. Fourier series, convolutions, and approximation.- 3. The heat equation: distribution solutions.- 4. The heat equation: classical solutions; derivation.- 5. The wave equation.- 6. Laplace's equation and the Dirichlet problem.- Six Complex analysis.- 1. Complex differentiation.- 2. Complex integration.- 3. The Cauchy integral formula.- 4. The local behavior of a holomorphic function.- 5. Isolated singularities.- 6. Rational functions; Laurent expansions; residues.- 7. Holomorphic functions in the unit disc.- Seven The Laplace transform.- 1. Introduction.- 2. The space  $L^1$ .- 3. The space  $L^2$ .- 4. Characterization of distributions of type  $L^1$ .- 5. Laplace transforms of functions.- 6. Laplace transforms of distributions.- 7. Differential equations.- Notes and bibliography.- Notation index. 244...



[Read Advanced Mathematical Analysis Online](#)



[Download PDF Advanced Mathematical Analysis](#)

## Other PDFs

---



**[PDF] Psychologisches Testverfahren**

Click the hyperlink under to read "Psychologisches Testverfahren" document.

[Download ePub »](#)

---



**[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

Click the hyperlink under to read "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" document.

[Download ePub »](#)

---



**[PDF] Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

Click the hyperlink under to read "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" document.

[Download ePub »](#)

---



**[PDF] Dom's Dragon - Read it Yourself with Ladybird: Level 2**

Click the hyperlink under to read "Dom's Dragon - Read it Yourself with Ladybird: Level 2" document.

[Download ePub »](#)

---



**[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)**

Click the hyperlink under to read "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" document.

[Download ePub »](#)

---



**[PDF] Yearbook Volume 15**

Click the hyperlink under to read "Yearbook Volume 15" document.

[Download ePub »](#)