



Advanced Real Analysis

By Anthony W. Knapp

Springer Basel AG Aug 2005, 2005. Buch. Book Condition: Neu. 244x155x27 mm. Neuware - Presents a comprehensive treatment with a global view of the subject Rich in examples, problems with hints, and solutions, the book makes a welcome addition to the library of every mathematician Advanced Real Analysis systematically develops those concepts and tools in real analysis that are vital to every mathematician, whether pure or applied, aspiring or established. Along with a companion volume Basic Real Analysis (available separately or together as a Set via the Related Links nearby), these works present a comprehensive treatment with a global view of the subject, emphasizing the connections between real analysis and other branches of mathematics. Key topics and features of Advanced Real Analysis: Develops Fourier analysis and functional analysis with an eye toward partial differential equations Includes chapters on Sturm Liouville theory, compact self-adjoint operators, Euclidean Fourier analysis, topological vector spaces and distributions, compact and locally compact groups, and aspects of partial differential equations Contains chapters about analysis on manifolds and foundations of probability Proceeds from the particular to the general, often introducing examples well before a theory that incorporates them Includes many examples and nearly two hundred problems, and a...



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