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INTRODUCTION TO REAL ANALYSIS William F. Trench Andrew G. Cowles Distinguished Professor Emeritus Department of Mathematics Trinity University San Antonio, Texas, USA In mathematics, real analysis is the branch of mathematical analysis that studies the behavior of real numbers, sequences and series of real numbers, and real-valued functions. Some particular properties of real-valued sequences and functions that real analysis studies include convergence, limits, continuity, smoothness, differentiability and ... Read the latest articles of Nonlinear Analysis: Real World Applications at ScienceDirect.com, Elsevier's leading platform of peer-reviewed scholarly literature Princeton Lectures in Analysis III REAL ANALYSIS Measure Theory, Integration, and Hilbert Spaces Elias M. Stein & Rami Shakarchi PRINCETON UNIVERSITY PRESS