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INTRODUCTION TO REAL ANALYSIS - Trinity University

INTRODUCTION TO REAL ANALYSIS Fourth Edition Robert G. Bartle Donald R. Sherbert University of Illinois, Urbana-Champaign John Wiley & Sons, Inc.

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Abstract. These are some notes on introductory real analysis. They cover the properties of the real numbers, sequences and series of real numbers, limits of functions, continuity, differentiability, sequences and series of functions, and Riemann integration. They do not include multi-variable calculus or contain any problem sets.

An Introduction to Real Analysis John K. Hunter

Bartle Introduction to Real Analysis. DELHI UNIVERSITY NOTES 2ND SEMESTER REAL ANALYSIS ... 107 94 CHAPTER FOUR Limits 4.3 2.3 1 The Algebra of Sets 1 Functions 9 Mathematical Induction 17 CHAPTER TWO The Real Numbers 2.2 2.5 3.1 2.2 3.3 110 Limits of Functions 110 Limit Theorems 120 Some Extensions of the Limit Concept 129 ix .7 22 The ...

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INTRODUCTION TO REAL ANALYSIS - Williams College

The Real Line A convenient and familiar geometric interpretation of the real number system is the real line. In this interpretation, the absolute value $|a|$ of an element a in \mathbb{R} is regarded as the distance from a to the origin 0 .

Introduction to Real Analysis Fourth Edition - PDF Free

I often teach the MATH 501-502: Introduction to Real Analysis course at the University of Louisville. The course is intended for a mix of mostly upper-level mathematics majors with a smattering of other students from mathematics, physics and engineering. These are notes I've compiled over the years. They cover the basic ideas of analysis on the real line.

Introduction to Real Analysis - University of Louisville

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