

introduction to real analysis pdf

Chapter 1 is concerned with the real number system. Section 1.1 begins with a brief discussion of the axioms for a complete ordered field, but no attempt is made to develop the reals from them; rather, it is assumed that the student is familiar with the consequences of these axioms, except for one: completeness.

INTRODUCTION TO REAL ANALYSIS - Trinity University

An Introduction to Real Analysis John K. Hunter. 1. Department of Mathematics, University of California at Davis. The author was supported in part by the NSF. Thanks to Janko Gravner for a number of corrections and comments.

An Introduction to Real Analysis John K. Hunter

Section 1.2 is about induction. Although this may seem out of place in a real analysis course, I have found that the typical beginning real analysis student simply cannot do an induction proof without reviewing the method.

Section 1.3 is devoted to elementary set theory and the topology of the real line, ending with the Heine-Borel and Bolzano-Weierstrass theorems.

INTRODUCTION TO REAL ANALYSIS - Williams College

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