

Teodora-Liliana Rădulescu
Vicențiu Rădulescu
Titu Andreescu

PROBLEMS IN REAL ANALYSIS: ADVANCED CALCULUS ON THE REAL AXIS

Problems in Real Analysis: Advanced Calculus on the Real Axis features a comprehensive collection of challenging problems in mathematical analysis that aim to promote creative, non-standard techniques for solving problems. This self-contained text offers a host of new mathematical tools and strategies which develop a connection between analysis and other mathematical disciplines, such as physics and engineering. A broad view of mathematics is presented throughout; the text is excellent for the classroom or self-study. It is intended for undergraduate and graduate students in mathematics, as well as for researchers engaged in the interplay between applied analysis, mathematical physics, and numerical analysis.

Key features:

- Uses competition-inspired problems as a platform for training typical inventive skills;
- Develops basic valuable techniques for solving problems in mathematical analysis on the real axis and provides solid preparation for deeper study of real analysis;
- Includes numerous examples and interesting, valuable historical accounts of ideas and methods in analysis;
- Offers a systematic path to organizing a natural transition that bridges elementary problem-solving activity to independent exploration of new results and properties.

> springer.com



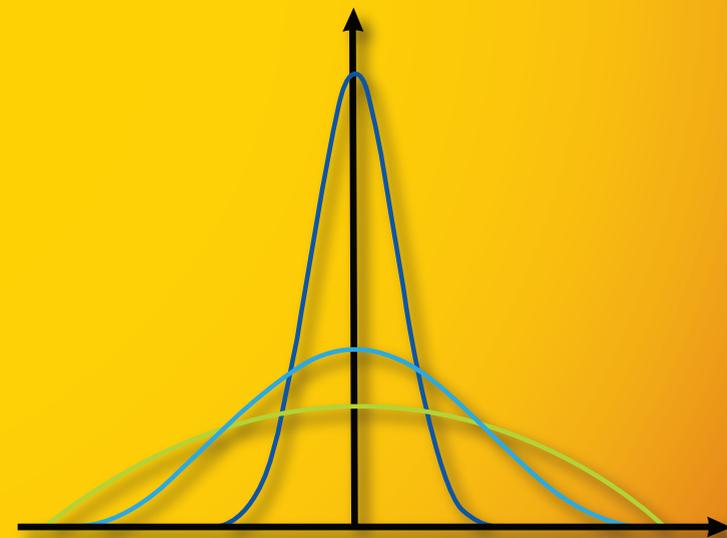
PROBLEMS IN REAL ANALYSIS:
ADVANCED CALCULUS ON THE REAL AXIS

Rădulescu
Rădulescu
Andreescu



Teodora-Liliana Rădulescu
Vicențiu Rădulescu
Titu Andreescu

PROBLEMS IN REAL ANALYSIS: ADVANCED CALCULUS ON THE REAL AXIS



 Springer