

Closer^{and} Closer

Introducing Real Analysis

Closer and Closer is the ideal first introduction to real analysis for upper-level undergraduate mathematics majors. The text takes students on a guided journey through the often challenging world of analysis, providing them with the tools to solve rigorous problems with ease. The author achieves this with a student-friendly writing style, an active learning approach, and rich examples and problem sets, along with a unique two-part format. *Core Chapters* open the text and introduce the most important tools used in analysis. *Excursions* then round out and complement *Core Chapters*, allowing students to explore new problems on their own. This two-part approach provides a flexible, interactive introduction to relevant concepts and allows students to truly understand and retain key material presented throughout the text. *Closer and Closer* offers an unparalleled introduction to the foundations of this important area of mathematics.

Key Features of *Closer and Closer*:

- Boxed asides provide tips on proof techniques, comments about the significance of theorems, and remarks about notational conventions.
- The text bridges the gap between intuition and abstraction by including many easy exercises and examples that connect abstract concepts to the student's own understanding of more concrete ideas.
- Explanatory notes accompany some problems and explain the context of the problem or invite the student to reflect upon the implications of the result.
- Flexible two-part structure is ideal for diverse groups of students as well as instructors having various and differing requirements.



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info@jbpub.com
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Carol S. Schumacher

“The main objective of letting the students do the proofs of the main results themselves is remarkably well achieved. The key is clearly to break these problems into reasonable chunks—the author’s experience of what that appropriate size is has been invaluable to me.”

Matthias Kowski
Dept. of Mathematics and Statistics
Arizona State University

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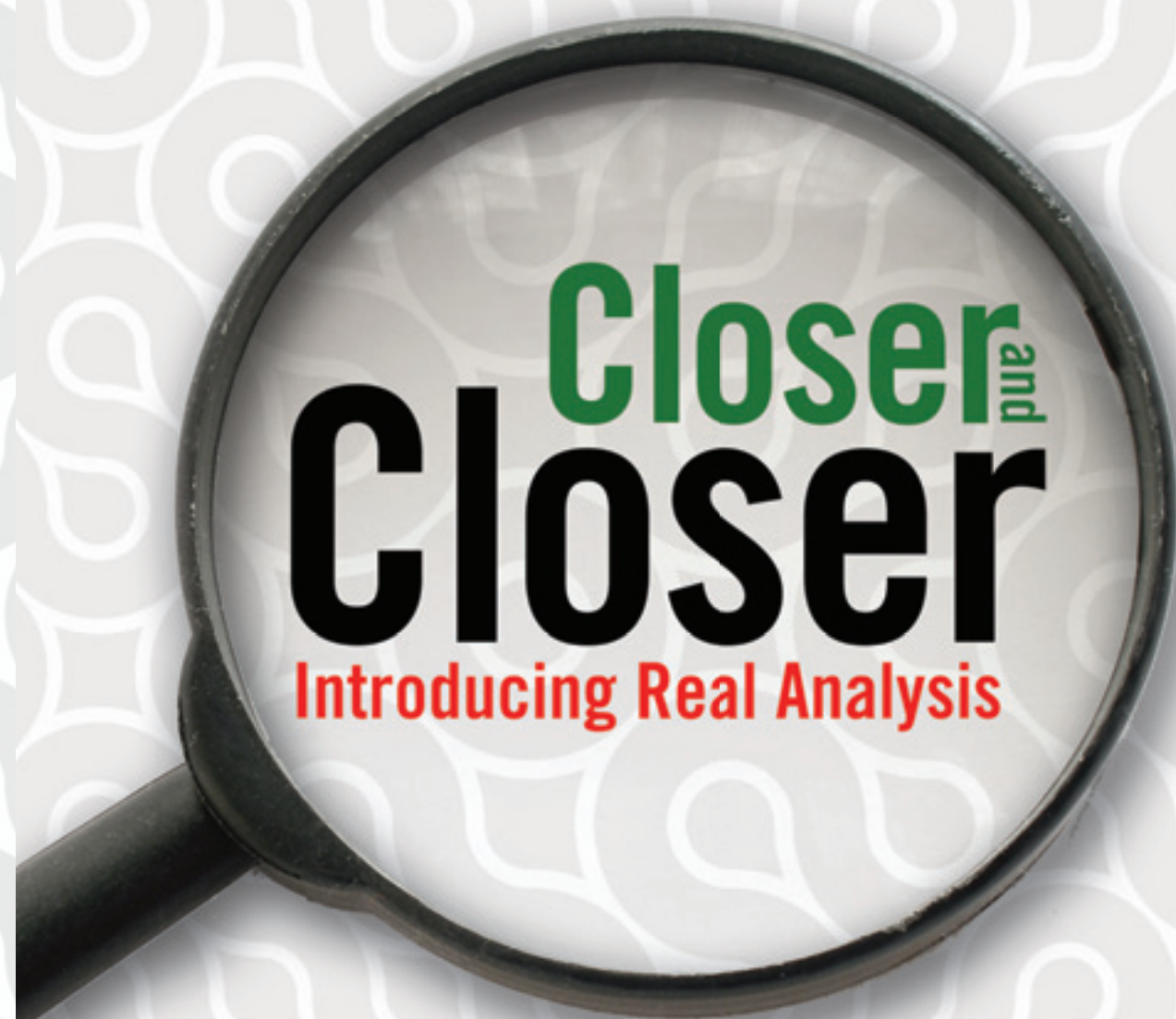
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Carol S. Schumacher