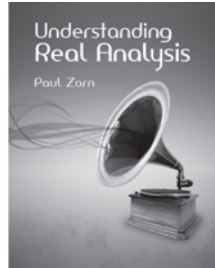


New textbooks from A K PETERS

Understanding Real Analysis

Paul Zorn

978-1-56881-415-5; \$49.00; 292 pp.



This book introduces the rigorous study of real numbers and real-valued functions. Written in a clear and approachable style, this text's narrative, problems, and selected solutions help students

build both understanding and familiarity with mathematical language and ways of thinking. Intuitively familiar objects from elementary calculus—sets, functions, limits, derivatives, and integrals—are revisited in the language of formal mathematics; informally known facts and theorems are proved rigorously and systematically.

Differential Geometry of Curves and Surfaces

Thomas Banchoff, Steve Lovett

978-1-56881-456-8; \$49.00; approx. 300 pp.

This textbook covers a one-semester undergraduate course in the differential geometry of curves and surfaces, assuming only multivariable calculus and linear algebra. The book culminates with the celebrated Gauss-Bonnet Theorem and applications to spherical and hyperbolic geometry. Online interactive computer graphics applets coordinated with each section form an integral part of the exposition. The applets allow teachers and students to investigate and manipulate curves and surfaces to develop intuition and to help analyze geometric phenomena. Each section includes numerous interesting exercises that range from straightforward to challenging.

Differential Geometry of Manifolds

Steve Lovett

COMING SOON

Request Examination Copies: marketing@akpeters.com



A K PETERS
508.651.0887
www.akpeters.com