



teaching; 2. computer-aided mathematics teaching; 3. distance learning through the WWW; 4. graphing calculators; 5. mathematical research and teaching using technology; 6. numerical analysis.

The book is a comprehensive yet compressed entry-level introduction on single variable calculus, focusing on the concepts and applications of limits, continuity, derivative, definite integral, series, sequences and approximations. Chapters are arranged to outline the essence of each topic and to address learning difficulties, making it suitable for students and lecturers in mathematics, physics and engineering. Contents  
Prerequisites for calculus Limits and continuity The derivative Applications of the derivative The definite integral Techniques for integration and improper integrals Applications of the definite integral Infinite series, sequences, and approximations

????-??????????

The chapters in this volume convey insights from mathematics education research that have direct implications for anyone interested in improving teaching and learning in undergraduate mathematics. This synthesis of research on learning and teaching mathematics provides relevant information for any math department or individual faculty member who is working to improve introductory proof courses, the longitudinal coherence of precalculus through differential equations, students' mathematical thinking and problem-solving abilities, and students' understanding of fundamental ideas such as variable and rate of change. Other chapters include information about programs that have been successful in supporting students' continued study of mathematics. The authors provide many examples and ideas to help the reader infuse the knowledge from mathematics education research into mathematics teaching practice. University mathematicians and community college faculty spend much of their time engaged in work to improve their teaching. Frequently, they are left to their own experiences and informal conversations with colleagues to develop new approaches to support student learning and their continuation in mathematics. Over the past 30 years, research in undergraduate mathematics education has produced knowledge about the development of mathematical understandings and models for supporting students' mathematical learning. Currently, very little of this knowledge is affecting teaching practice. We hope that this volume will open a meaningful dialogue between researchers and practitioners toward the goal of realizing improvements in undergraduate mathematics curriculum and instruction.

Chinese Made Easy series adopts a unique approach to teaching Chinese as a foreign/second language. The teaching approach adapts widely-accepted foreign language teaching theories to the teaching of the Chinese language -- Back cover.

The complete, Calculus: Graphical, Numerical, Algebraic 3e text PLUS 5 additional chapters: Uses the full suite of supplements available for Calculus: Graphical, Numerical, Algebraic 3d Ed, AP Edition. Downloadable instructor's manual is available for the additional chapters.

Vectors and Analytic Geometry in Space Vector-Value Functions and Motion in Space Multivariable Functions and Their Derivatives Multiple Integrals Integration in Vector Fields

????????????????,????????,???,????,????,??????,????????,??????,????????????????????????????????????,????????,??,???,????????????????,????????,????????????????????.

A world list of books in the English language.

??

??,?????:??

??

