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A Stroll Through Calculus: A Guide for the Merely Curious

By Anthony Barcellos

Cognella Academic Publishing, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. A Stroll through Calculus: A Guide for the Merely Curious helps students fully understand calculus and successfully grasp its concepts. The foundational premise is that calculus is, at its most basic, about measuring things and how fast they change. The material gives non-majors an appreciation for calculus and teaches them its importance without the formal proofs needed only by math majors. In clear, concise chapters the text familiarizes students with concepts such as the area of a rectangle, notation, and polynomials. It introduces the fundamentals discovered by Newton and Leibniz and their varied applications. Students are encouraged to engage in participatory reading by referring to the examples in the chapters and then checking each step independently. A Stroll through Calculus is designed to supplement instruction in calculus, science, and education classes for non-math majors. It is an excellent learning tool for students in engineering, pre-medical studies, and the social sciences. It can also be used in pre-service teaching programs for educators who will need a solid background for math units they will teach. Anthony Barcellos...



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