Calculus (2nd Edition) by Karl J. Smith

For courses in Calculus for students in engineering, science, and math. Built from the ground up to meet the needs of today's calculus students, Bradley/Smith, Calculus was the first text to pair a complete calculus syllabus with the best elements of reform--like extensive verbalization and strong geometric visualization. The Second Edition of this groundbreaking text has been crafted and honed, making it the text of choice for those seeking the best of both worlds.

THIS BOOK IS ONE OF THE BEST CALCULUS TEXT-BOOKS I HAVE EVER SEEN IN THE UNITED STATES. And I have seen about 20 and used about 15 in my entire academic life, on two continents. Most American text-books are written "just to make math look fun". This is one that does approach the concepts of limits, continuity, differentiability with some rigor and logic. There is still a lot of place for improvement, especially on the applications of Calculus to ... Physics, some examples are somewhat clumsy for a good physicist or an engineer who knows physics. HOWEVER, FOR THE MATH MAJOR AND UNDERGRADUATE ENGINEERING MAJOR IT IS AN EXCELLENT TEXT-BOOK. The student who wrote a bad review complains about the lack of answers.... Well, he must be a student who failed the course, cause no good student would need to look at the answers. The problems are very well selected and many mimic the already-solved examples. Plus, there is a student solutions manual that is sold separately! Some problems should be made somewhat harder in a future edition. IT IS A GREAT BOOK FOR THE AVERAGE TO GOOD STUDENT. AND A SCARY BOOK FOR ALL THE STUDENTS WHO WOULD NORMALLY RECEIVE A GRADE OF F, D OR C ANYWHERE AROUND THE GLOBE. Some people are simply not meant to pass Calculus and endanger the world with their bad engineering.

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