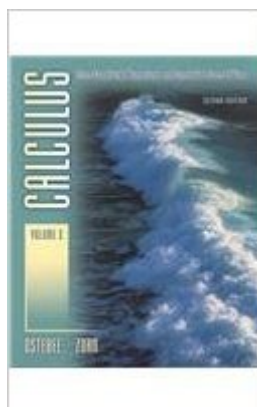# Calculus : From Graphical, Numerical, And Symbolic Points Of View, Volume 2

Synopsis

Ostebee and Zorn provide concrete strategies that help students understand and master concepts in calculus. This user-friendly text continues to help students interact with the main calculus objects (functions, derivatives, integrals, etc.) not only symbolically but also, where appropriate, graphically and numerically. Ostebee/Zorn strikes an appropriate balance among these points of view, without overemphasizing any of them. New exercises, examples, and much more have added tremendously to this great book.

Book Information

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Customer Reviews

We used the preliminary version of this text, when it was apparently still being finalized, for 3 quarters of Calculus when I took it at Portland State University. I believe the school was paid money to have the students use the first edition of the book. The good thing about it was that it was a very cheap paperback ($20 or less...great price.)The book was not at all liked by anyone. I remember, I went from an 'A' in the first course to a 'C' in the third course...and actually, I'd say that was mostly because of the text and not because the material got more difficult. The authors do not explain things in depth. As I remember, the intro to the books (Vols 1 and 2) stated that the secondary education math community had largely agreed that a shift towards a "leaner, more conceptual approach" was needed in college-level math courses. Instead of giving "drill" exercises or spending a lot of textbook space explaining concepts, the student hence becomes more responsible for their own learning. And I think that's what Ost and Zorn aim for. They give you the framework, and then

they throw you into the deep end. Now, that's not to say that the content of the book isn't good. Some topics, I think they do explain quite well, although there are many that they don't cover in depth (Solids of Revolution is one topic, as I recall, that they glossed over very quickly in Volume 2, and in Volume 1, they use something called The Racetrack Principle, involving dogs on a racetrack, in their teaching of the Limit Definition of Derivative.) Their margin notes are also usually good and occasionally entertaining and the end-of-section problems are alright - some are extremely difficult though.

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