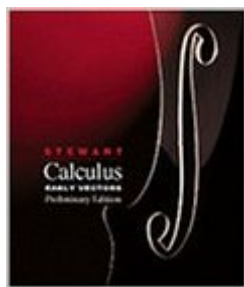


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Calculus: Early Vectors, Preliminary Edition



Synopsis

Once again keeping a keen ear to the needs of the evolving calculus community, Stewart created this text at the suggestion and with the collaboration of professors in the mathematics department at Texas A&M University. With an early introduction to vectors and vector functions, the approach is ideal for engineering students who use vectors early in their curriculum. Stewart begins by introducing vectors in Chapter 1, along with their basic operations, such as addition, scalar multiplication, and dot product. The definition of vector functions and parametric curves is given at the end of Chapter 1 using a two-dimensional trajectory of a projectile as motivation. Limits, derivatives, and integrals of vector functions are interwoven throughout the subsequent chapters. As with the other texts in his Calculus series, in Early Vectors Stewart makes us of heuristic examples to reveal calculus to students. His examples stand out because they are not just models for problem solving or a means of demonstrating techniques - they also encourage students to develop an analytic view of the subject. This heuristic or discovery approach in the examples give students an intuitive feeling for analysis. In the Preliminary Edition, Stewart incorporates a focus on problem solving; meticulously attends to accuracy; patiently explains the concepts and examples; and includes the same carefully graded problems that make his other texts work so well for a wide range of students.

Book Information

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Customer Reviews

It's been a few years since I've sold my copy of this book. I used this book for my 3 semesters of

Calculus at Texas A&M and have to say I loved the book. Now granted, I prefer to learn by observing then doing. I sit down with my homework and look for example problems similar to my homework problems so I can see how their solved, then attempt to repeat the process. This book is GREAT for this as it contains tons and tons of examples problems, at least one for every type of question you could be asked (though sometimes you have to look at 2 examples to do 1 problem, there are still those 2 examples to draw on). I don't particularly remember any homework amongst 3 calculus courses that I couldn't flip to a page in the book and find an example problem(s) that showed me how to solve the problem. I remember wishing that my other math courses had books like this one, particularly my Linear Algebra class.

As always, Stewart is the Godfather of Calculus. This book really trims the fat and gets you straight into vectors.

Got this for a class, it was pretty helpful and worked well.

Really needed this in my class

Came as expected.

so far so good.

As described. Excellent transaction.

First year college calculus, not "a read for fun" type book!

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