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## Advanced Calculus

By Avner Friedman

Dover Publications Inc., United States, 2007. Paperback. Book Condition: New. 211 x 135 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This rigorous two-part treatment advances from functions of one variable to those of several variables. Intended for students who have already completed a one-year course in elementary calculus, it defers the introduction of functions of several variables for as long as possible, and adds clarity and simplicity by avoiding a mixture of heuristic and rigorous arguments. The first part explores functions of one variable, including numbers and sequences, continuous functions, differentiable functions, integration, and sequences and series of functions. The second part examines functions of several variables: the space of several variables and continuous functions, differentiation, multiple integrals, and line and surface integrals, concluding with a selection of related topics. Complete solutions to the problems appear at the end of the text.



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