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Calculus Without Limits: Almost

By John Sparks

AuthorHouse. Paperback. Book Condition: New. Paperback. 392 pages. Dimensions: 8.8in. x 6.0in. x 1.0in. Calculus without Limits is an original exposition of single-variable calculus using the classic differential approach. Written in an engaging, popular style by an award-winning teacher, Calculus without Limits is the first completely new calculus book to hit the shelves in 95 years that deliberately minimizes the use of limits, one of the major stumbling blocks initially standing in the way of calculus students. Calculus without Limits presents its subject in nine chapters: 1) Introduction, 2) Barrow's Diagram, 3) The Two Fundamental Problems of Calculus, 4) Foundations, 5) Solving the First Problem, 6) Antiprocesses, 7) Solving the Second Problem, 8) Sampling the Power of Differential Equations, and 9) Conclusion: Magnificent Shoulders. Approximately 85 diagrams and a plethora of worked examples help facilitate student understanding in an exposition that measures a mere 330 pages from cover to cover. Real-life applications examine problems from a variety of disciplines ranging from physics to finance. Additionally, Calculus without Limits provides plenty of practice for the beginning calculus student via 200 exercises from routine to quite challenging—all answered in an Answer to Problems section in the back of the book. Five appendices summarize key formulas from various mathematical disciplines, and a brief one-page bibliography completes the book. Calculus without Limits...



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