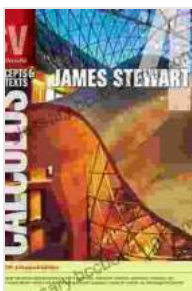


Unlock a World of Calculus with "Single Variable Calculus: Concepts and Contexts"

An Immersive Guide to the Fundamentals of Calculus

Embark on a captivating journey into the realm of calculus with "Single Variable Calculus: Concepts and Contexts". This comprehensive textbook presents a fresh and accessible approach to the foundational concepts of calculus, providing a deep understanding of the subject's applications in real-world scenarios.

Written by renowned educators James Stewart and Daniel Clegg, this book is designed to engage students and ignite their passion for mathematics. Through its clear explanations, intuitive examples, and thought-provoking exercises, "Single Variable Calculus: Concepts and Contexts" empowers learners to grasp the complexities of calculus with confidence.



Single Variable Calculus: Concepts and Contexts

by James Stewart

★★★★☆ 4.3 out of 5

Language : English

File size : 25856 KB

Screen Reader : Supported

Print length : 784 pages

X-Ray for textbooks : Enabled



Key Features:

- **Concept-Driven Approach:** Emphasizes the underlying concepts of calculus, fostering a thorough understanding beyond mere formulas and techniques.
 - **Real-World Applications:** Illustrates the practical relevance of calculus through numerous examples and case studies, making it relatable to students across disciplines.
 - **Intuitive Explanations:** Breaks down complex concepts into manageable chunks, enhancing student comprehension and retention.
 - **Thought-Provoking Exercises:** Offers a wide range of exercises to reinforce understanding, challenge students' thinking, and prepare them for success on exams.
- li>**Interactive Technology:** Comes with access to WebAssign, an online platform that provides interactive practice, homework assignments, and personalized feedback.

Chapter Outline:

Chapter 1: Functions

- Basic Function Concepts
- Linear, Quadratic, Polynomial, and Rational Functions
- Inverse Functions and Exponential Functions

Chapter 2: Limits and Continuity

- The Limit of a Function

- Infinite Limits and Asymptotes
- Continuity

Chapter 3: Derivatives

- The Derivative
- Basic Rules for Finding Derivatives
- Applications of the Derivative

Chapter 4: Applications of Derivatives

- Maxima and Minima
- The Mean Value Theorem
- Related Rates and Optimization

Chapter 5: Integrals

- The Indefinite Integral
- The Definite Integral
- Applications of the Definite Integral

Chapter 6: Applications of Integrals

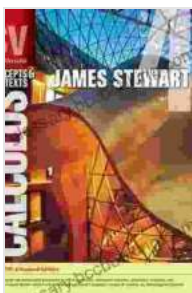
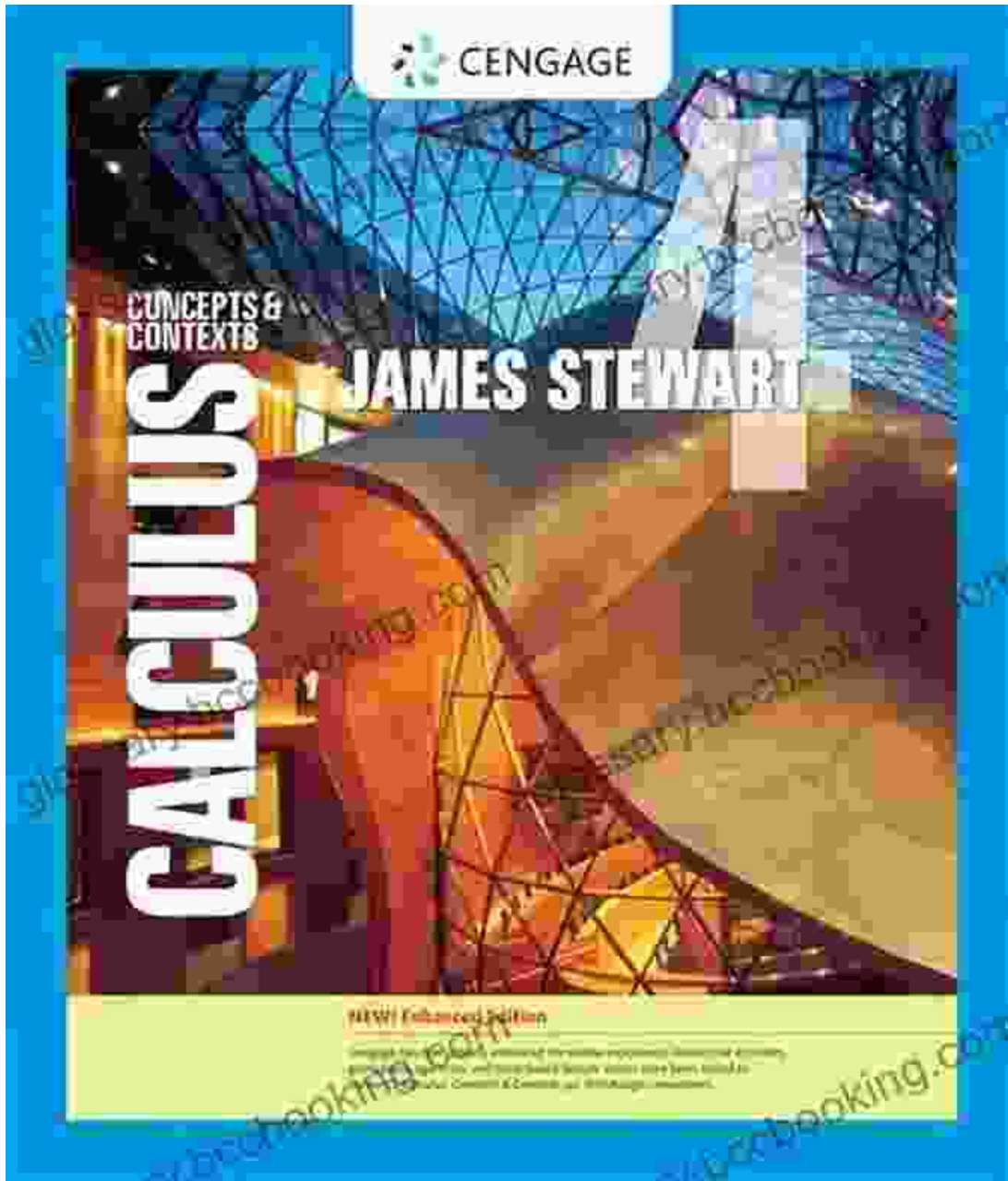
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"Single Variable Calculus: Concepts and Contexts" is an invaluable resource for students seeking a comprehensive and engaging to calculus. Its concept-driven approach, real-world applications, thought-provoking exercises, and interactive technology empower learners to master the fundamentals of calculus and unlock its potential in various fields of study and beyond.

Free Download your copy of "Single Variable Calculus: Concepts and Contexts" today and embark on an unforgettable journey into the world of calculus!

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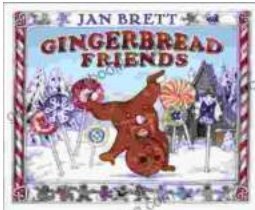
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