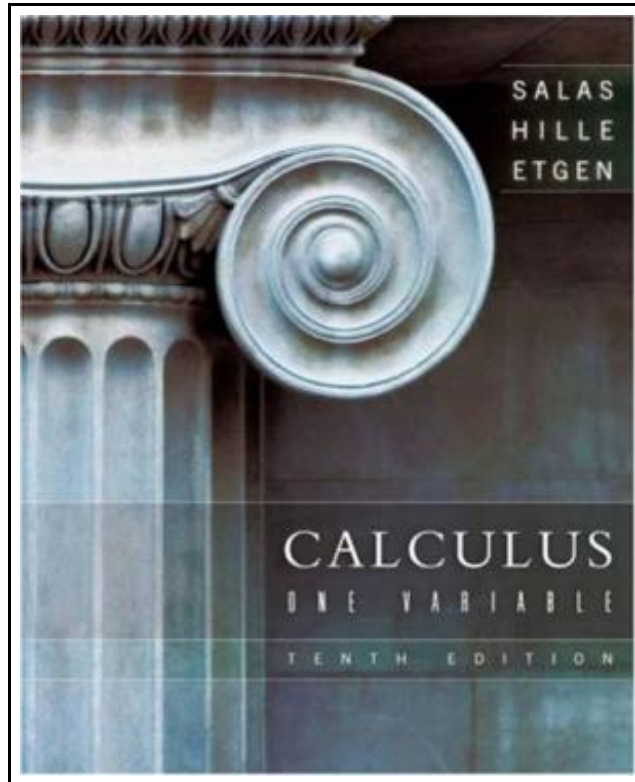


## Calculus: One Variable



Filesize: 9.66 MB

### ***Reviews***

*Very helpful for all category of men and women. It is rally fascinating throgh studying period. It is extremely difficult to leave it before concluding, once you begin to read the book.*

*(Prof. Asia King)*

## CALCULUS: ONE VARIABLE



To read **Calculus: One Variable** eBook, you should follow the hyperlink under and download the document or have access to other information which are highly relevant to CALCULUS: ONE VARIABLE book.

Wiley, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
 Summary: Chapter 1. Precalculus Review.1.1 What is Calculus?1.2 Review of Elementary Mathematics.1.3 Review of Inequalities.1.4 Coordinate Plane; Analytic Geometry.1.5 Functions.1.6 The Elementary Functions.1.7 Combinations of Functions.1.8 A Note on Mathematical Proof; Mathematical Induction.Chapter 2. Limits and Continuity.2.1 The Limit Process (An Intuitive Introduction).2.2 Definition of Limit.2.3 Some Limit Theorems.2.4 Continuity.2.5 The Pinching Theorem; Trigonometric Limits.2.6 Two Basic Theorems.Chapter 3. The Derivative; The Process of Differentiation.3.1 The Derivative.3.2 Some Differentiation Formulas.3.3 The  $d/dx$  Notation; Derivatives of Higher Order.3.4 The Derivative as a Rate of Change.3.5 The Chain Rule.3.6 Differentiating the Trigonometric Functions.3.7 Implicit Differentiation; Rational Powers.Chapter 4. The Mean-Value Theorem; Applications of the First and Second Derivatives.4.1 The Mean-Value Theorem.4.2 Increasing and Decreasing Functions.4.3 Local Extreme Values.4.4 Endpoint Extreme Values; Absolute Extreme Values.4.5 Some Max-Min Problems.4.6 Concavity and Points of Inflection.4.7 Vertical and Horizontal Asymptotes; Vertical Tangents and Cusps.4.8 Some Curve Sketching.4.9 Velocity and Acceleration; Speed.4.10 Related Rates of Change Per Unit Time.4.11 Differentials.4.12 Newton-Raphson Approximations.Chapter 5. Integration.5.1 An Area Problem; A Speed-Distance Problem.5.2 The Definite Integral of a Continuous Function. 5.3 The Function  $f(x) = \int_a^x f(t) dt$ .5.4 The Fundamental Theorem of Integral Calculus.5.5 Some Area Problems.5.6 Indefinite Integrals.5.7 Working Back from the Chain Rule;  $u$ -Substitution.5.8 Additional Properties of the Definite Integral.5.9 Mean-Value Theorems for Integrals; Average Value of a Function.Chapter 6. Some Applications of the Integral.6.1 More on Area.6.2 Volume by Parallel Cross-Sections; Discs and Washers.6.3 Volume by the Shell Method.6.4 The Centroid of a Region; Pappus's Theorem on Volumes.6.5 The Notion of Work.6.6 Fluid Force.Chapter 7. The Transcendental Functions.7.1 One-to-One Functions; Inverse Functions.7.2 The Logarithm Function, Part I.7.3 The Logarithm Function, Part II.7.4 The Exponential Function.7.5 Arbitrary Powers; Other Bases.7.6 Exponential Growth and Decay.7.7 The Inverse Trigonometric Functions.7.8 The...



[Read Calculus: One Variable Online](#)



[Download PDF Calculus: One Variable](#)

## You May Also Like

---



[PDF] **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

Click the hyperlink below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF document.

[Save Document »](#)

---



[PDF] **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Click the hyperlink below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

[Save Document »](#)

---



[PDF] **Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

Click the hyperlink below to get "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" PDF document.

[Save Document »](#)

---



[PDF] **Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)**

Click the hyperlink below to get "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF document.

[Save Document »](#)

---



[PDF] **The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3**

Click the hyperlink below to get "The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3" PDF document.

[Save Document »](#)

---



[PDF] **Read Write Inc. Phonics: Purple Set 2 Non-Fiction 4 What is it?**

Click the hyperlink below to get "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 4 What is it?" PDF document.

[Save Document »](#)