Calculus (2 Volumes)

By Chen Haibo

Central South University Press, 2009. Soft cover. Book Condition: New. 185*260mm. This is a student textbook covering essential topics in calculus usually taughtin the early stages of science and engineering students in China. The requirementsof such students have influenced its content and presentation helped in many waysby the authors long and continuous experience of teaching mathematical methods tovarious degree students in Central South University. It is divided into two volumes.The first volume contains Calculus of single variable and infinite series. The sec-ond volume consists of Calculus of multivariable with analysis geometrics and ordi-nary differential equations. Chapter 1 Functions and Limits 1.1 Functions 1.2 Limits of sequence of number 1.3 Limit of functions 1.4 The operation of limits 1.5 The principle for existence of limits 1.6 Two imvortant limist 1.7 ConfinuiWof functions 1.8 Infinitesimal and infinity quantity, the order for infinitesimals Chapter 2 Derivatives and Differentials 2.1 The concepts of the derivative 2.2 The rules of derivation 2.3 Higher-order derivatives and differentials of functions 2.4 Differential skill Chapter 3 Mean Value Theorems and Applications of Derivatives 3.1 Mean value theorems 3.2 LHospitals rule 3.3 Prupertiesoffunctions 3.4 Differentiation of are and curvature Chapter 4 Indefinite Integrals 4.1 Concept and properties of indefinite...

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