

## Computer Algebra - (Second Edition)



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*(Blanca Davis)*

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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 261 Publisher: Tsinghua University Press Pub. Date :2007-10-1. This book introduces the basic concepts of computer algebra. methods. software. and some applications. The book is divided into eight chapters. discusses the representation of large integers and polynomials and basic operations. and the resultant sub-node type. model approach and the polynomial greatest common factor. p into the methods and polynomial factorization. characteristic set method. Grobner base method and the real closed field quantifier elimination. The book gives the basic estimate the complexity of the algorithm. and an overview of various computer algebra systems. This book focuses on the basics of classical results and the well-known algorithms. but also contains a small amount of new research results. This book can serve as institutions of higher learning of Mathematics and Computer Science graduate students and high school textbooks. but also for the scientific and engineering officers. Contents: Introduction Chapter 1.1 of Mathematics and Computing 1.2 Introduction 1.3 computer algebra theory. algorithms and implementation of computer algebra systems 1.4 1.5 1.6 Example problems and algebraic calculations demonstrate the application exercises Chapter 2.1 data representation and basic operations. said large integer complexity of the algorithm 2.2 integer degree 2.3 2.5 2.4 Polynomials and polynomial operations. said the ideal 2.6 2.7 a finite field and several fields of operations and exercises Chapter resultant sub-node type 3.1 one yuan and binary node type 3.3 3.2 Macaulay resultant multi-junction 3.4 sub-type of application and the resultant sub-Drive Habicht Theorem 3.5 Theorem Exercises Chapter chain modeling methods and polynomial greatest common factor of more than 4.1-type sequence with the greatest common factor of 4.2 sub-resultant polynomial remainder sequence 4.3 homomorphism modeling methods such as 4.4 and...

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