



Computer Algebra Handbook

By Grabmeier, Johannes / Kaltofen, Erich

Book Condition: New. Publisher/Verlag: Springer, Berlin | Foundations Applications Systems | This Handbook gives a comprehensive snapshot of a field at the intersection of mathematics and computer science with applications in physics, engineering and education. Reviews 67 software systems and offers 100 pages on applications in physics, mathematics, computer science, engineering chemistry and education. | 1 Development, Characterization, Prospects.- 1.1 Historical Remarks.- 1.2 General Characterization.- 1.3 Impact on Education.- 1.4 Impact on Research.- 1.5 Computer Algebra - Today and Tomorrow.- 1.5.1 Today.- 1.5.2 Outlook.- 2 Topics of Computer Algebra.- 2.1 Exact Arithmetic.- 2.1.1 Long Integer Arithmetic. - 2.1.2 Arithmetic with Polynomials, Rational Functions and Power Series. - 2.1.3 Euchd's Algorithm and Continued Fractions.- 2.1.4 Modular Arithmetic and the Chinese Remainder Theorem.- 2.1.5 Computations with Algebraic Numbers.- 2.1.6 Real Algebraic Numbers.- 2.1.7 p-adic Numbers and Approximations.- 2.1.8 Finite Fields.- 2.2 Algorithms for Polynomials and Power Series. - 2.2.1 The Division Algorithm. - 2.2.2 Factorization of Polynomials. - 2.2.3 Absolute Factorization of Polynomials.- 2.2.4 Polynomial Decomposition.- 2.2.5 Gröbner Bases.- 2.2.6 Standard Bases.-2.2.7 Characteristic Sets.- 2.2.8 Algorithmic Invariant Theory.-2.3 Linear Algebra. - 2.3.1 Linear Systems. - 2.3.2 Algorithms for Matrix CanonicalForms.- 2.4 Constructive Methods of Number Theory.- 2.4.1 Primality Tests.- 2.4.2 Integer Factorization.- 2.4.3 Algebraic Number Fields and...



READ ONLINE

Reviews

This is the greatest pdf i actually have go through right up until now. It is actually packed with knowledge and wisdom I found out this book from my dad and i advised this publication to find out.

-- Arely Rath

I actually started reading this pdf. It can be rally exciting through reading period of time. Your lifestyle span is going to be enhance as soon as you total reading this ebook.

-- Nya Bechtelar

Other eBooks



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)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



Read Write Inc. Phonics: Yellow Set 5 Non-Fiction 1 in the Park

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 215 x 178 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



Read Write Inc. Phonics: Yellow Set 5 Non-Fiction 4 a Model Bird

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 197 x 116 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



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)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



Read Write Inc. Phonics: Yellow Set 5 Non-Fiction 5 a Mouse in the House

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 216 x 172 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



Read Write Inc. Phonics: Yellow Set 5 Non-Fiction 3 Fun at the Fair

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 207 x 170 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...