Diekert / Volkov / Voronkov

Computer Science - Theory and Applications

Second International Symposium on Computer Science in Russia, CSR 2007, Ekaterinburg, Russia, September 3-7, 2007, Proceedings

This book features the refereed proceedings of the 2nd International Symposium on Computer Science in Russia held in September 2007. The 35 papers cover theory track deals with algorithms, protocols, and data structures; complexity and cryptography; formal languages, automata and their applications to computer science; computational models and concepts; proof theory; and applications of logic to computer science. Many applications are presented.

Proving Church's Thesis.- The Limits of Quantum Computers.- Marrying Words and Trees.- TPTP, TSTP, CASC, etc..- Abstract Modeling and Formal Verification of Microprocessors.- Sequences of Level 1, 2, 3,..., k,....- Timers and Proximities for Mobile Ambients.- Pushing Random Walk Beyond Golden Ratio.- Reversible Machine Code and Its Abstract Processor Architecture.- A Fast Algorithm for Path 2-Packing Problem.- Decidability of Parameterized Probabilistic Information Flow.- Inverting Onto Functions and Polynomial Hierarchy.- Proved-Patterns-Based Development for Structured Programs.- Planarity, Determinants, Permanents, and (Unique) Matchings.- Equivalence Problems for Circuits over Sets of Natural Numbers.- Bouillon: A Wiki-Wiki Social Web.- A PDL-Like Logic of Knowledge Acquisition.- Resource Placement in Networks Using Chromatic Sets of Power Graphs.- Conjunctive Grammars over a Unary Alphabet: Undecidability and Unbounded Growth.- Ruling Out Polynomial-Time Approximation Schemes for Hard Constraint Satisfaction Problems.- New Bounds for MAX-SAT by Clause Learning.- Towards Hierarchical Clustering (Extended Abstract).- Estimation of the Click Volume by Large Scale Regression Analysis.- Maximal Intersection Queries in Randomized Graph Models.- A Note on Specialization of Interpreters.- Efficient Computation in Groups Via Compression.- Constructing a Secret Binary Partition of a Digital Image Robust to a Loss of Synchronization.- On the Complexity of Matrix Rank and Rigidity.- On the Usage of Clustering for Content Based Image Retrieval.- Performance Modeling of Wormhole Hypermeshes Under Hotspot Traffic.- Application of Modified Coloured Petri Nets to Modeling and Verification of SDL Specified Communication Protocols.- Symmetry of Information and Nonuniform LowerBounds.- Perceptrons of Large Weight.- A Padding Technique on Cellular Automata to Transfer Inclusions of Complexity Classes.- Kolmogorov Complexity, Lovász Local Lemma and Critical Exponents.- Generic Complexity of Presburger Arithmetic.- Everywhere ?-Repetitive Sequences and Sturmian Words.- Timed Traces and Strand Spaces.- On Empirical Meaning of Randomness with Respect to a Real Parameter.- An Efficient Algorithm for Zero-Testing of a Lacunary Polynomial at the Roots of Unity.- Generic Complexity of Undecidable Problems.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540745099
Medium: Buch
ISBN: 978-3-540-74509-9
Verlag: Springer
Erscheinungstermin: 15.08.2007
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2007
Serie: Theoretical Computer Science and General Issues
Produktform: Kartoniert
Gewicht: 657 g
Seiten: 420
Format (B x H): 155 x 235 mm

fachmedien.de
WISSEN. EINFACH. FINDEN.

27.11.2026 | 05:27 Uhr

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)