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Soggetti	Computer science Algorithms Artificial intelligence Computer science—Mathematics Bioinformatics Theory of Computation Artificial Intelligence Mathematics of Computing
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	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 Lower Bounds -- 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  $\epsilon$ -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.

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