

1. Record Nr.	UNISA996465505603316
Titolo	Computing and Combinatorics [[electronic resource]] : Third Annual International Conference, COCOON '97, Shanghai, China, August 20-22, 1997. Proceedings. // edited by Tao Jiang, D.T. Lee
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997
ISBN	3-540-69522-2
Edizione	[1st ed. 1997.]
Descrizione fisica	1 online resource (XII, 524 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1276
Disciplina	004
Soggetti	Computers Discrete mathematics Algorithms Computer science—Mathematics Computer graphics Computer communication systems Theory of Computation Discrete Mathematics Algorithm Analysis and Problem Complexity Discrete Mathematics in Computer Science Computer Graphics Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Conflict-free access to templates of trees and hypercubes in parallel memory systems -- Many-to-one packet routing via matchings -- A multi-tree generating routing scheme using acyclic orientations -- An algorithm for Heilbronn's problem -- Optimal multiresolution polygonal approximation -- Constructing a strongly convex superhull of points -- Fast range searching with Delaunay Triangulations -- Resolution of Hartmanis' conjecture for NL-hard sparse sets -- Can large fanin circuits perform reliable computations in the presence of noise? -- On set systems with restricted intersections modulo a

composite number -- Size and variable ordering of OBDDs representing threshold functions -- The performance of neighbor-joining algorithms of phylogeny reconstruction -- Inferring evolutionary trees with strong combinatorial evidence -- Parsimony is hard to beat! -- On the complexity of computing evolutionary trees -- Computable invariance -- Subclasses of computable real valued functions -- Computability on continuous, lower semi-continuous and upper semi-continuous real functions -- Contrast-optimal k out of n secret sharing schemes in visual cryptography -- A Rabin-type scheme based on $y^2 \equiv x^3 + bx^2 \pmod{n}$ -- Optimal bidding algorithms against cheating in multiple-object auctions -- Spring algorithms and symmetry -- Generalized vertex-rankings of partial k-trees -- A selected tour of the theory of identification matrices -- Efficient domination on permutation graphs and trapezoid graphs -- On physical mapping algorithms: An error-tolerant test for the consecutive ones property -- The median problem for breakpoints in comparative genomics -- Fast algorithms for aligning sequences with restricted affine gap penalties -- A matrix representation of phylogenetic trees -- Edge and node searching problems on trees -- Construction of nearly optimal multiway trees -- Optimal algorithms for circle partitioning -- Hexagonal routing of multiterminal nets -- Design and analysis of parallel set-term unification -- On modularity of completeness in order-sorted term rewriting systems -- A three-valued quantificational logic of context -- A compact storage scheme for fast wavelet-based subregion retrieval -- A declustering algorithm for minimising spatial join cost -- Fixed topology steiner trees and spanning forests with applications in network communications -- A branch-and-bound algorithm for computing node weighted steiner minimum trees -- A complete characterization of repetitive morphisms over the two-letter alphabet -- An algorithm for identifying spliced languages -- The shapes of trees -- Tally languages accepted by alternating multitape finite automata -- Independent spanning trees of chordal rings -- Rearrangeable graphs -- Projective torus networks -- On the 100% rule of sensitivity analysis in linear programming -- Enumerating triangulations for products of two simplices and for arbitrary configurations of points -- Tree structure genetic algorithm with a nourishment mechanism -- An approach to scalability of parallel matrix multiplication algorithms -- Limited acceleration mechanism for cell loss free flow control in ATM networks -- They are just butterflies -- Mutual search -- Eigenvalues, eigenvectors, and graph partitioning -- Corrigendum: Exact learning of subclasses of CDNF formulas with membership queries.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third Annual International Computing and Combinatorics Conference, COCOON'97, held in Shanghai, China, in August 1997. The volume presents 53 revised full papers selected from a total of 106 submissions. The papers are organized in sections on parallel and distributed computing, computational geometry, complexity, computational biology, computability, cryptography and computational finance, graph algorithms, algorithms, rewriting and logic, algorithms and applications, automata languages and complexity, and mathematical programming and genetic algorithms.
