

1. Record Nr.	UNISA996466127303316
Titolo	Automata, Languages, and Programming [[electronic resource] ] : 11th Colloquium, Antwerp, Belgium, July 16-20, 1984 (EATCS sign). Proceedings // edited by J. Paredaens
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1984
ISBN	3-540-38886-9
Edizione	[1st ed. 1984.]
Descrizione fisica	1 online resource (X, 530 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 172
Disciplina	004.0151
Soggetti	Computers Computer programming Programming languages (Electronic computers) Algorithms Computer logic Mathematical logic Computation by Abstract Devices Programming Techniques Programming Languages, Compilers, Interpreters Algorithm Analysis and Problem Complexity Logics and Meanings of Programs Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The theory of data dependencies — An overview -- The VLSI revolution in theoretical circles -- Tuple sequences and indexes -- The complexity of cubical graphs -- P-generic sets -- Functional dependencies and disjunctive existence constraints in database relations with null values -- The algebra of recursively defined processes and the algebra of regular processes -- Algebraic specification of exception handling and error recovery by means of declarations and equations -- Building the minimal DFA for the set of all subwords of a word on-line in linear time -- The complexity and

decidability of separation -- Concurrent transmissions in broadcast networks -- Linear searching for a square in a word -- Domain algebras -- Principality results about some matrix languages families -- Oriented equational clauses as a programming language -- Relational algebra operations and sizes of relations -- Some results about finite and infinite behaviours of a pushdown automaton -- On the relationship of CCS and petri nets -- Communicating finite state machines with priority channels -- A modal characterization of observational congruence on finite terms of CCS -- Communication complexity -- Space and time efficient simulations and characterizations of some restricted classes of PDAS -- A complete axiom system for algebra of closed-regular expression -- The complexity of finding minimum-length generator sequences -- On probabilistic tape complexity and fast circuits for matrix inversion problems -- On three-element codes -- Recursion depth analysis for special tree traversal algorithms -- Performance analysis of Shamir's attack on the basic Merkle-Hellman knapsack cryptosystem -- Measures of presortedness and optimal sorting algorithms -- Languages and inverse semigroups -- Area-time optimal vlsi integer multiplier with minimum computation time -- On the interpretation of infinite computations in logic programming -- A linear time algorithm to solve the single function coarsest partition problem -- Complexité des facteurs des mots infinis engendrés par morphismes itérés -- Automates boustrophedon, semi-groupe de birget et monoïde inversif libre -- Probabilistic bidding gives optimal distributed resource allocation -- Partial order semantics versus interleaving semantics for CSP — like languages and its impact on fairness -- Cancellation, pumping and permutation in formal languages -- A hardware implementation of the CSP primitives and its verification -- Factorization of univariate integer polynomials by diophantine approximation and an improved basis reduction algorithm -- Robust algorithms: A different approach to oracles -- Node weighted matching -- The propositional mu-calculus is elementary -- AVL-trees for localized search -- The simple roots of real-time computation hierarchies -- Computational complexity of an optical disk interface -- Encoding graphs by derivations and implications for the theory of graph grammars -- Sampling algorithms for differential batch retrieval problems (extended abstract).

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