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Soggetti	Computers Algorithms Mathematical logic Theory of Computation Algorithm Analysis and Problem Complexity Mathematical Logic and Formal Languages
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Nota di contenuto	Refined analysis and improvements on some factoring algorithms -- Absolute primality of polynomials is decidable in random polynomial time in the number of variables -- Area-time optimal VLSI networks for computing integer multiplication and Discrete Dourier Transform -- Cost tradeoffs in graph embeddings, with applications -- Minimum s-t cut of a planar undirected network in o(n log2(n)) time -- On the density of color-families -- The implication problem for data dependencies -- Characterizing data base Dependencies -- Data flow analysis of applicative programs -- Flow analysis of lambda expressions -- Algorithmic specifications of abstract data types -- Nondeterminism in abstract data types -- A view of directions in relational database theory -- A new characterization of the regular languages -- Langages Reconnaissables et Codage Prefixe Pur -- Passes, sweeps and visits -- On LALR(k) testing -- On size bounds for deterministic parsers -- A decision procedure for the equivalence of two dpdas one of which is linear -- The deducibility problem in

Propositional Dynamic Logic -- Finite models for deterministic propositional dynamic logic -- Impartiality, justice and fairness: The ethics of concurrent termination -- Computing a perfect strategy for n×n chess requires time exponential in n -- On the complexity of simple arithmetic expressions -- Proving lower bounds for linear decision trees -- Parikh-bounded languages -- Generalized Parikh mappings and homomorphisms -- Chomsky-Schotzenberger representations for families of languages and grammatical types -- Algebraically specified programming systems and Hoare's logic -- Automatic construction of verification condition generators from hoare logics -- Circular expressions: Elimination of static environments -- An axiomatic approach to the Korenjak - Hopcroft algorithms -- On the (generalized) post correspondence problem with lists of length 2 -- A sparse table implementation of priority queues -- Comparing and putting together recursive path ordering, simplification orderings and Non-Ascending Property for termination proofs of term rewriting systems -- Termination of linear rewriting systems -- Realizing an equational specification -- A cook's tour of countable nondeterminism -- The complexity of decision problems for finite-turn multicounter machines -- Alternating multihead finite automata -- The solution for the branching factor of the alpha-beta pruning algorithm -- Uniform complexity and digital signatures -- On the generation of cryptographically strong pseudo-random sequences -- Measuring the expressive power of dynamic logics: An application of abstract model theory.