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   Nota di contenuto   The complexity class ? p 2 : Recent results and applications in AI and modal logic -- Proof systems for structured algebraic specifications: An overview -- Average-case analysis via incompressibility -- Locally computable enumerations -- The complexity of error-correcting codes -- Stochastic analysis of dynamic processes -- k-k Sorting on the multi-mesh -- Refinement of coloured petri nets -- Stratified petri nets -- Distributed acyclic orientation of asynchronous anonymous networks -- Generalized rational relations and their logical definability -- A note on broadcasting with linearly bounded transmission faults in constant degree networks -- Logics which capture complexity classes over the reals -- Criteria to disprove context-freeness of collage languages -- The subword complexity of fixed points of binary uniform morphisms -- Efficient parallel computing with memory faults -- Bounded concurrency -- Concerning the time bounds of existing

shortest watchman route algorithms -- Query order in the polynomial hierarchy -- Polynomial time machines equipped with word problems over algebraic structures as their acceptance criteria -- Pattern-matching problems for 2-dimensional images described by finite automata -- The complexity of the coverability, the containment, and the equivalence problems for commutative semigroups -- Contextual grammars with distributed catenation and shuffle -- A two-dimensional hierarchy for attributed tree transducers -- Synchronization of 1-way connected processors -- A linear-time heuristic for minimum rectangular coverings (Extended abstract) -- On occurrence net semantics for petri nets with contacts -- Cellular automata universality revisited -- Trade-off results for connection management -- On the average complexity of the membership problem for a generalized Dyck language -- Towards optimal locality in mesh-indexings -- On the hierarchy of nondeterministic branching k-programs -- FDT is undecidable for finitely presented monoids with solvable word problems -- The equivalence of pebbles and sensing heads for finite automata -- From finite automata toward hybrid systems (Extended abstract) -- On an optimal quantified propositional proof system nal proof system and a complete language for NP ? co-NP for NP ? co-NP -- Lower bounds in on-line geometric searching metric searching -- The complexity of universal text-learners -- Unique normal forms for nonlinear term rewriting systems: Root overlaps -- Behavioural characterizations of partial order logics.

Sommario/riassunto	This book constitutes the refereed proceedings of the 11th International Symposium on Fundamentals of Computer Theory, FCT'97, held in Krakow, Poland, in September 1997. The 34 revised full papers presented in the volume were selected from a total of 72 submissions. Also included are six invited papers by leading scientists. The papers address a variety of current topics in theoretical computer science including models of computation, concurrency, algorithms, complexity theory, programming theory, formal languages, graph theory and discrete mathematics, networking, automata theory, term rewriting, etc.