1. Record Nr.   UNISA996466269303316

   Titolo   Logical Foundations of Computer Science [[electronic resource]] : Third International Symposium, LFCS '94, St. Petersburg, Russia, July 11-14, 1994. Proceedings / / edited by Anil Nerode, Yu.V. Matiyasevich

   Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1994

   ISBN   3-540-48442-6

   Edizione   [1st ed. 1994.]

   Descrizione fisica   1 online resource (XI, 397 p.)

   Collana   Lecture Notes in Computer Science, , 0302-9743 ; ; 813

   Disciplina   004/.01/5113

   Soggetti   Computers
                         Mathematical logic
                         Computer logic
                         Algorithms
                         Theory of Computation
                         Mathematical Logic and Foundations
                         Mathematical Logic and Formal Languages
                         Logics and Meanings of Programs
                         Algorithm Analysis and Problem Complexity

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto   Lower bounds for probabilistic space complexity: Communication-automata approach -- On model checking infinite-state systems -- Concurrency problem for Horn fragment of Girard's Linear Logic -- Referential data structures and labeled modal logic -- Yet another correctness criterion for Multiplicative Linear Logic with MIX -- An approach to effective model-checking of real-time Finite-State Machines in mu-calculus -- Allegories of circuits -- The complexity of propositional modal theories and the complexity of consistency of propositional modal theories -- Multiplicative Linear Logic for resource transformation nets -- The parameterized complexity of some problems in logic and linguistics -- Foundations of proof search strategies design in linear logic -- On extreme points of convex compact turing located set -- Application of typed lambda calculi in the

untyped lambda calculus -- Classes with pairwise equivalent enumerations -- Strong normalization in a non-deterministic typed lambda-calculus -- On expressive completeness of modal logic -- Comparing models of the non-extensional typed ?-calculus extended abstract -- Coalgebras and approximation -- Computational and concurrency models of linear logic -- The longest perpetual reductions in Orthogonal Expression Reduction Systems -- The notion of rank and games -- A predicate logic of well-founded actions -- Predicative recurrence in finite types -- Arity vs. alternation in second order logic -- Hereditarily sequential functionals -- Propositional linear temporal logic and language homomorphisms -- An abstract property of confluence applied to the study of the lazy partial lambda calculus -- On specialization of derivations in axiomatic equality theories -- Preserving of admissible inference rules in modal logic -- Pure Type Systems with definitions -- Craig interpolation property in modal logics with provability interpretation -- Representing null values in logic programming -- Comparing cubes -- A logic of capabilities -- Weak orthogonality implies confluence: The higher-order case.

Sommario/riassunto	This volume presents the refereed papers accepted for the international symposium Logical Foundations of Computer Science '94, Logic at St. Petersburg, held in St. Petersburg, Russia in July 1994. The symposium was the third in a series of joint efforts of logicians from both the former Soviet Union and the West. The volume reflects that the interaction of logic and computer science is an especially fertile ground for interdisciplinary work providing mutual understanding and benefits. The totally 35 papers are devoted to topics as linear logic, Horn clauses, model-checking, lambda-calculi, modal logic, and problem complexity.