

<<Computer Science Log>>

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 19th International Workshop on Computer Science Logic, CSL 2005, held as the 14th Annual Conference of the EACSL in Oxford, UK in August 2005. The 33 revised full papers presented together with 4 invited contributions were carefully reviewed and selected from 108 papers submitted. All current aspects of logic in computer science are addressed ranging from mathematical logic and logical foundations to methodological issues and applications of logics in various computing contexts. The volume is organized in topical sections on semantics and logics, type theory and lambda calculus, linear logic and ludics, constraints, finite models, decidability and complexity, verification and model checking, constructive reasoning and computational mathematics, and implicit computational complexity and rewriting.

书籍目录

Invited Lectures XML Navigation and Tarski's Relation Algebras Verification in Predicate Logic with Time: Algorithmic Questions Note on Formal Analogical Reasoning in the Juridical Context An Abstract Strong Normalization Theorem Semantics and Logics On Bunched Polymorphism Distributed Control Flow with Classical Modal Logic A Logic of Coequations A Semantic Formulation of TT-Lifting and Logical Predicates for Computational Metalanguage Type Theory and Lambda Calculus Order Structures on BShm-Like Models Higher-Order Matching and Games Decidability of Type-Checking in the Calculus of Algebraic Constructions with Size Annotations On the Role of Type Decorations in the Calculus of Inductive Constructions Linear Logic and Ludics L-Nets, Strategies and Proof-Nets Permutative Logic Focusing the Inverse Method for Linear Logic Towards a Typed Geometry of Interaction Constraints From Pebble Games to Tractability: An Ambidextrous Consistency Algorithm for Quantified Constraint Satisfaction An Algebraic Approach for the Unsatisfiability of Nonlinear Constraints Finite Models, Decidability and Complexity Coprimality in Finite Models Towards a Characterization of Order-Invariant Queries over Tame Structures Decidability of Term Algebras Extending Partial Algebras Results on the Guarded Fragment with Equivalence or Transitive Relations The Modular Decomposition of Countable Graphs Constructions in Monadic Second-Order Logic On the Complexity of Hybrid Logics with Binders The Complexity of Independence-Friendly Fixpoint Logic Closure Properties of Weak Systems of Bounded Arithmetic Verification and Model Checking Constructive Reasoning and Computational Mathematics Implicit Computational Complexity and Rewriting Appendices Author Index

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