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                          Mathematical logic
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   Nota di contenuto      Four-valued diagnoses for stratified knowledge-bases -- Fast cut-
                          elimination by projection -- On the subject reduction property for
                          algebraic type systems -- Presheaf models for concurrency -- Directed
                          virtual reductions -- Bounded-variable fixpoint queries are PSPACE-
                          complete -- Graph rewriting semantics for functional programming
                          languages -- An extension of models of Axiomatic Domain Theory to
                          models of Synthetic Domain Theory -- Relative undecidability in term
                          rewriting -- Extending models of second order predicate logic to
                          models of second order dependent type theory -- Eta-expansions in F
                          ? -- Cut-free display calculi for relation algebras -- Computational
                          aspects of arity hierarchies -- Weak semantics based on lighted button

pressing experiments -- Kleene algebra with tests: Completeness and decidability -- Monadic NP and built-in trees -- Coercive subtyping in type theory -- Proofs in system F ? can be done in system F ? 1 -- Optimization problems with approximation schemes -- Computational representations of herbrand models using grammars -- Exact pairs for abstract bounded reducibilities -- The logic of explicitly presentation-invariant circuits -- Social confluence in client-server systems -- A type-free resource-aware ?-calculus -- Inductive definitions with decidable atomic formulas -- Call-by-Value, call-by-name and the logic of values -- On Cartesian monoids -- New intuitionistic logical constants: Undecidability of the conservativeness problem.

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| Sommario/riassunto | This book constitutes the strictly refereed post-workshop proceedings of the 10th International Workshop on Computer Science Logic, CSL'96, held as the 5th Annual Conference of the European Association of Computer Science Logic (EACSL), in Utrecht, The Netherlands, in September 1996. The volume presents 26 revised full papers selected from a total of initially 75 papers submitted; also included are two refereed invited contributions. The volume addresses all current issues in the area of computer science logic research, and is thus a unique record of recent progress in the area. |