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Titolo	Relations and Kleene Algebra in Computer Science : 10th International Conference on Relational Methods in Computer Science, and 5th International Conference on Applications of Kleene Algebra, ReMiCS/AKA 2008, Frauenwörth, Germany, April 7-11, 2008, Proceedings // edited by Rudolf Berghammer, Bernhard Möller, Georg Struth
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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4988
Altri autori (Persone)	BerghammerR <1952-> (Rudolf) MollerBernhard <1953-> StruthGeorg
Disciplina	511.3/24
Soggetti	Machine theory Computer science - Mathematics Artificial intelligence Software engineering Formal Languages and Automata Theory Symbolic and Algebraic Manipulation Artificial Intelligence Software Engineering
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Formal Methods and the Theory of Social Choice -- Relations Making Their Way from Logics to Mathematics and Applied Sciences -- Boolean Logics with Relations -- Relation Algebra and RelView in Practical Use: Construction of Special University Timetables -- A Relation Algebraic Semantics for a Lazy Functional Logic Language -- Latest News about Demonic Algebra with Domain -- On the Structure of Demonic Refinement Algebras with Enabledness and Termination -- Multi-objective Problems in Terms of Relational Algebra -- The Lattice of Contact Relations on a Boolean Algebra -- A Non-probabilistic

Relational Model of Probabilistic Kleene Algebras -- Increasing Bisemigroups and Algebraic Routing -- Lazy Relations -- The Algebraic Approach I: The Algebraization of the Chomsky Hierarchy -- The Algebraic Approach II: Dioids, Quantales and Monads -- Automated Reasoning for Hybrid Systems — Two Case Studies — -- Non-termination in Idempotent Semirings -- Formal Concepts in Dedekind Categories -- The Structure of the One-Generated Free Domain Semiring -- Determinisation of Relational Substitutions in Ordered Categories with Domain -- Boolean Algebras and Stone Maps in Schröder Categories -- Cardinality in Allegories -- Solving Linear Equations in  $\omega$ -continuous Action Lattices -- Reactive Probabilistic Programs and Refinement Algebra -- Knowledge and Games in Modal Semirings -- Theorem Proving Modulo Based on Boolean Equational Procedures -- Rectangles, Fringes, and Inverses -- An Ordered Category of Processes -- Automatic Proof Generation in Kleene Algebra.

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Sommario/riassunto

Constituting the refereed proceedings of the 10th International Conference on Relational Methods in Computer Science, ReMiCS 2008, and the 5th International Conference on Applications of Kleene Algebras, these papers were selected from numerous submissions.

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