

Contents

Invited Papers

Algebra for Quantitative Information Flow	3
<i>A.K. McIver, C.C. Morgan, and T. Rabehaja</i>	
Dual Space of a Lattice as the Completion of a Pervin Space: Extended Abstract	24
<i>Jean-Éric Pin</i>	

Contributed Papers

Relations as Images.	43
<i>Mathieu Alain and Jules Desharnais</i>	
Tool-Based Relational Investigation of Closure-Interior Relatives for Finite Topological Spaces	60
<i>Rudolf Berghammer</i>	
Varieties of Cubical Sets	77
<i>Ulrik Buchholtz and Edward Morehouse</i>	
Non-associative Kleene Algebra and Temporal Logics	93
<i>Jules Desharnais and Bernhard Möller</i>	
Algebraic Investigation of Connected Components	109
<i>Roland Glück</i>	
Stone Relation Algebras.	127
<i>Walter Guttmann</i>	
Relation Algebras, Idempotent Semirings and Generalized Bunched Implication Algebras	144
<i>Peter Jipsen</i>	
Parsing and Printing of and with Triples	159
<i>Sebastiaan J.C. Joosten</i>	
Software Development in Relation Algebra with Ampersand	177
<i>Stef Joosten</i>	
Allegories and Collagories for Transformation of Graph Structures Considered as Coalgebras.	193
<i>Wolfram Kahl</i>	

Aggregation of Votes with Multiple Positions on Each Issue	209
<i>Lefteris Kirousis, Phokion G. Kolaitis, and John Livieratos</i>	
Complete Solution of an Optimization Problem in Tropical Semifield	226
<i>Nikolai Krivulin</i>	
Concurrency-Preserving Minimal Process Representation	242
<i>Adrián Puerto</i>	
Embeddability into Relational Lattices Is Undecidable	258
<i>Luigi Santocanale</i>	
Tower Induction and Up-to Techniques for CCS with Fixed Points	274
<i>Steven Schäfer and Gert Smolka</i>	
Reasoning About Cardinalities of Relations with Applications Supported by Proof Assistants	290
<i>Insa Stucke</i>	
Type-n Arrow Categories	307
<i>Michael Winter</i>	
Author Index	323

Relational and Algebraic Methods in Computer Science
16th International Conference, RAMiCS 2017, Lyon,
France, May 15-18, 2017, Proceedings
Höfner, P.; Pous, D.; Struth, G. (Eds.)
2017, XIV, 323 p. 24 illus., Softcover
ISBN: 978-3-319-57417-2