

Contents

The Useful MAM, a Reasonable Implementation of the Strong λ -Calculus . . . <i>Beniamino Accattoli</i>	1
Compactness in Infinitary Gödel Logics <i>Juan P. Aguilera</i>	22
Cut Elimination for Gödel Logic with an Operator Adding a Constant <i>Juan P. Aguilera and Matthias Baaz</i>	36
A Classical Propositional Logic for Reasoning About Reversible Logic Circuits <i>Holger Bock Axelsen, Robert Glück, and Robin Kaarsgaard</i>	52
Foundations of Mathematics: Reliability and Clarity: The Explanatory Role of Mathematical Induction <i>John T. Baldwin</i>	68
Justified Belief and the Topology of Evidence <i>Alexandru Baltag, Nick Bezhanishvili, Aybüke Özgün, and Sonja Smets</i>	83
Semantic Acyclicity for Conjunctive Queries: Approximations and Constraints <i>Pablo Barceló</i>	104
Expressivity of Many-Valued Modal Logics, Coalgebraically <i>Marta Bilková and Matěj Dostál</i>	109
Second-Order False-Belief Tasks: Analysis and Formalization <i>Torben Braüner, Patrick Blackburn, and Irina Polyanskaya</i>	125
Categories: How I Learned to Stop Worrying and Love Two Sorts <i>Willem Conradie, Sabine Frittella, Alessandra Palmigiano, Michele Piazzai, Apostolos Tzimoulis, and Nachoem M. Wijnberg</i>	145
A Logical Approach to Context-Specific Independence <i>Jukka Corander, Antti Hyttinen, Juha Kontinen, Johan Pensar, and Jouko Väänänen</i>	165
Descriptive Complexity of Graph Spectra <i>Anuj Dawar, Simone Severini, and Octavio Zapata</i>	183
Causality in Bounded Petri Nets is MSO Definable <i>Mateus de Oliveira Oliveira</i>	200

A Multi-type Calculus for Inquisitive Logic	215
<i>Sabine Frittella, Giuseppe Greco, Alessandra Palmigiano, and Fan Yang</i>	
A Model-Theoretic Characterization of Constant-Depth Arithmetic Circuits . . .	234
<i>Anselm Haak and Heribert Vollmer</i>	
True Concurrency of Deep Inference Proofs	249
<i>Ozan Kahramanoğlu</i>	
On the Complexity of the Equational Theory of Residuated Boolean Algebras	265
<i>Zhe Lin and Minghui Ma</i>	
Semantic Equivalence of Graph Polynomials Definable in Second Order Logic.	279
<i>Johann A. Makowsky and Elena V. Ravve</i>	
Sheaves of Metric Structures	297
<i>Maicol A. Ochoa and Andrés Villaveces</i>	
A Curry–Howard View of Basic Justification Logic	316
<i>Konstantinos Pouliasis</i>	
On the Formalization of Some Results of Context-Free Language Theory . . .	338
<i>Marcus Vinicius Midena Ramos, Ruy J.G.B. de Queiroz, Nelma Moreira, and José Carlos Bacelar Almeida</i>	
The Semantics of Corrections	358
<i>Deniz Rudin, Karl DeVries, Karen Duek, Kelsey Kraus, and Adrian Brasoveanu</i>	
The Expressive Power of k -ary Exclusion Logic	375
<i>Raine Rönnholm</i>	
Characterizing Relative Frame Definability in Team Semantics via the Universal Modality	392
<i>Katsuhiko Sano and Jonni Virtema</i>	
Negation and Partial Axiomatizations of Dependence and Independence Logic Revisited.	410
<i>Fan Yang</i>	
Anaphors and Quantifiers.	432
<i>R. Zuber</i>	
Author Index	447