

1. Record Nr.	UNISA996464551903316
Autore	Artemov Sergei
Titolo	Logical foundations of computer science : international symposium, LFCS 2022, Deerfield Beach, FL, USA, January 10-13, 2022 : proceedings // Sergei Artemov and Anil Nerode
Pubbl/distr/stampa	Cham, Switzerland : , : Springer International Publishing, , [2021] ©2021
ISBN	3-030-93100-5
Descrizione fisica	1 online resource (386 pages)
Collana	Lecture Notes in Computer Science ; ; v.13137
Disciplina	005.1015113
Soggetti	Computer logic Computer science - Research Lògica informàtica Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- A Non-hyperarithmetical Gödel Logic -- 1 Introduction -- 2 Preliminaries -- 3 Standard Models via Vagueness -- 4 Satisfiability in G <sup>3</sup> 223379 -- 5 Validity in G <sup>3</sup> 223379 -- 6 Concluding Remarks -- References -- Andrews Skolemization May Shorten Resolution Proofs Non-elementarily -- 1 Introduction -- 2 The Sequent Calculi LK, LK+ and LK++ -- 3 Skolemization and Deskolemization -- 4 Cut-Free LK-Proofs with Weak Quantifiers and Resolution -- 5 Andrews Skolemizations Allows for Non-elementarily Shorter Resolution Refutations -- 6 Conclusion -- References -- The Isomorphism Problem for FST Injection Structures -- 1 Introduction and Preliminaries -- 2 The Isomorphism Problem for FST Injection Structures -- 3 Conclusions and Further Research -- References -- Justification Logic and Type Theory as Formalizations of Intuitionistic Propositional Logic -- 1 Introduction -- 1.1 The BHK Interpretation and Its Formalizations -- 2 Justification Logic -- 2.1 Substitution -- 3 Comparing Formalizations -- 3.1 Comparing Proofs -- 4 Conclusion -- References

-- Hyperarithmetical Worm Battles -- 1 Introduction -- 2 Preliminaries -- 3 Arithmetical Soundness of GLP -- 4 Worm Battles Outside PA -- 4.1 The Reduction Property -- 4.2 From 1-consistency to the Worm Principle -- 4.3 From the Worm Principle to 1-consistency -- 5 Concluding Remarks -- References -- Parametric Church's Thesis: Synthetic Computability Without Choice -- 1 Preliminaries -- 1.1 Common Definitions in CIC -- 1.2 Partial Functions -- 1.3 The Universe of Propositions P, Elimination, and Choice Principles -- 1.4 Notions of Synthetic Computability -- 2 Church's Thesis -- 3 Synthetic Church's Thesis -- 4 Variations of Synthetic Church's Thesis -- 5 The Enumerability Axiom -- 6 Rice's Theorem -- 7 [def:CT]CT in the Weak Call-by-Value -Calculus -- 8 Related Work.

A Consistency and Admissibility of CT in CIC -- References -- Constructive and Mechanised Meta-Theory of Intuitionistic Epistemic Logic -- 1 Introduction -- 2 Preliminaries -- 3 Basic Intuitionistic Epistemic Logic -- 4 Cut-Free Sequent Calculus -- 5 Decidability via Proof Search -- 6 Constructive Completeness -- 6.1 Lindenbaum Extension -- 6.2 Canonical Models -- 6.3 Finite Model Property -- 6.4 Semantic Cut-Elimination -- 7 Completeness for Infinite Theories -- 7.1 Arbitrary Theories -- 7.2 Enumerable Theories -- 8 Conclusion -- 8.1 Related Work -- 8.2 Future Work -- 1 Natural Deduction System for IEL -- 2 Coq Mechanisation -- 2.1 The Classical Modal Logic K -- 2.2 Height-Encoding -- 3 Cut-Elimination: Selected Cases -- References -- A Parametrized Family of Tversky Metrics Connecting the Jaccard Distance to an Analogue of the Normalized Information Distance -- 1 Introduction -- 2 Results -- 3 Application to Phylogeny -- 4 Conclusion -- References -- A Parameterized View on the Complexity of Dependence Logic -- 1 Introduction -- 2 Preliminaries -- 3 Complexity Results -- 3.1 Data Complexity (dc) -- 3.2 Expression and Combined Complexity (ec, cc) -- 4 Conclusion -- References -- A Logic of Interactive Proofs -- 1 Introduction -- 2 Syntax -- 3 Semantics -- 4 Properties and Results -- 5 Conclusion -- References -- Recursive Rules with Aggregation: A Simple Unified Semantics -- 1 Introduction -- 2 Problem and Solution Overview -- 3 Language -- 4 Formal Semantics -- 4.1 Interpretations and Derivability -- 4.2 Founded Semantics Without Closed Declarations -- 4.3 Founded Semantics with Closed Declarations -- 4.4 Constraint Semantics -- 4.5 Properties of the Semantics -- 5 Examples: Company Control and Double Win -- 5.1 Company Control-A Well-Known Challenge -- 5.2 Double-Win Game-For Any Kind of Moves -- 5.3 Experiments.

6 Related Work and Conclusion -- References -- Computational Properties of Partial Non-deterministic Matrices and Their Logics -- 1 Introduction -- 2 Warming Up -- 3 Checking Theorem Universality -- 3.1 Computing Total Components -- 3.2 Determining the Existence of Non-theorems -- 4 Checking Theorem Existence -- 4.1 A Bridge with (Term-DAG) Automata -- 5 Deciding Equality of Theoremhood -- 6 Conclusions and Further Work -- References -- Soundness and Completeness Results for LEA and Probability Semantics -- 1 Introduction -- 1.1 Overview of the Logic of Evidence Aggregation -- 1.2 LEA Definition -- 1.3 Alternative Formulation of LEA -- 1.4 Probability Semantics Definition -- 2 Sound and Complete Semantics for LEA -- 2.1 Basic Models -- 2.2 Deductive Basic Models -- 3 Sound and Complete Axiomatization of Probability Semantics -- 3.1 LEA-Definition and Models -- 3.2 More LEA- Results -- 3.3 LEA+ Definition and Basic Results -- 3.4 Basic Models of LEA+ -- 3.5 Probability Semantics for LEA+ -- 4 Further Discussion -- 4.1 Decidability Results -- 4.2 Justification Logic as Propositional Logic -- 4.3 Future Research -- References -- On Inverse Operators in Dynamic Epistemic Logic -- 1

Introduction -- 2 A General Framework for DEL -- 2.1 Syntax -- 2.2 Semantics -- 3 Inverse Operators -- 3.1 Introduction of Inverse Operators -- 3.2 Completeness -- 3.3 Irreducibility -- 3.4 Conservativity -- 4 Categorical Construction of Model Transition Systems -- 5 Related Work -- 6 Conclusion and Future Work -- References --

Betwixt Turing and Kleene -- 1 Introduction: Jordan, Turing, and Kleene -- 2 Preliminaries -- 2.1 Kleene's Higher-Order Computability Theory -- 2.2 Some Higher-Order Notions -- 3 Main Results -- 3.1 Jordan Realisers and Equivalent Formulations -- 3.2 Jordan Realisers and Countable Sets -- 3.3 Computing Kleene's 3 from Jordan Realisers. -- 3.4 Jordan Realisers and the Uncountability of  $R$  -- References --

Computability Models over Categories and Presheaves -- 1 Introduction -- 2 Computability Models -- 3 Total Computability Models over Categories -- 4 Partial Models over Categories with Pullbacks -- 5 Categories with a Base of Computability -- 6 Concluding Comments and Future Work -- References --

Reducts of Relation Algebras: The Aspects of Axiomatisability and Finite Representability -- 1 Introduction -- 2 Definitions -- 2.1 Relation Algebras and Their Reducts -- 2.2 Residuated Semigroups -- 2.3 Join Semilattice-Ordered Semigroups -- 2.4 Order-theoretic Definitions -- 2.5 Pseudo-elementary Classes -- 3 The Finite Representation Property for Residuated Semigroups -- 4 Join Semilattice-Ordered Semigroups: The Explicit Axiomatisation -- References --

Between Turing and Kleene -- 1 Between Turing and Kleene Computability -- 1.1 Short Summary -- 1.2 Extending the Scope of Turing Computability -- 1.3 The Need for an Extension of Turing Computation -- 2 Some Results -- 2.1 Nets and Computability Theory -- 2.2 On the Uncountability of  $R$  -- 2.3 Discontinuous Functions -- References --

Propositional Dynamic Logic with Quantification over Regular Computation Sequences -- 1 Introduction -- 2 Regular Computation Sequences -- 3 QPDL and Its -- 4 Expressivity -- 4.1 Expressing Acceptance Properties of NFA -- 4.2 Ways to Execute a Plan Successfully -- 5 Decidability and Complexity of qPDL -- 5.1 DPDL -- 5.2 An Embedding of qPDL into DPDL -- 6 Discussion -- 7 Conclusion -- References --

Finite Generation and Presentation Problems for Lambda Calculus and Combinatory Logic -- 1 Introduction -- 2 Finite Generation -- 3 Finite Presentation -- References --

Exact and Parameterized Algorithms for Read-Once Refutations in Horn Constraint Systems -- 1 Introduction. -- 2 Statement of Problems -- 3 Motivation and Related Work -- 4 A Parameterized Algorithm -- 4.1 Correctness -- 4.2 Resource Analysis -- 5 An Exact Exponential Algorithm -- 5.1 Resource Analysis -- 6 Literal-Once Refutations -- 7 A Lower Bound on Kernel Size -- 8 Conclusion -- References --

Dialectica Logical Principles -- 1 Introduction -- 2 Logical Principles in the Dialectica Interpretation -- 2.1 Independence of Premise -- 2.2 Markov's Principle -- 3 Logical Doctrines -- 4 Logical Principles via Universal Properties -- 5 Logical Principles in Gödel Hyperdoctrines -- 6 Conclusion -- References --

Small Model Property Reflects in Games and Automata -- 1 Introduction -- 2 Preliminaries -- 2.1 Models -- 2.2 The Finite Model Property and the Small Model Property -- 3 Small Model Size and Small Afrodite Strategies -- 3.1 Better Variables -- 3.2 Construction of the Strategy -- 4 Small Model Size and the Arcadian Automata -- 4.1 Arcadian Automata -- 4.2 Better Variables in Arcadian Automata -- 4.3 Loquacious Runs -- 5 Conclusion -- References -- Author Index.

---

2. Record Nr.	UNINA9910779476903321
Autore	Trachtenberg Joshua <1904-1959.>
Titolo	Jewish magic and superstition : a study in folk religion / / Joshua Trachtenberg ; foreword by Moshe Idel
Pubbl/distr/stampa	Philadelphia : , : University of Pennsylvania Press, , 2004
ISBN	1-283-89881-0 0-8122-0833-1
Edizione	[Paperback edition.]
Descrizione fisica	1 online resource (xxx, 356 pages) : illustrations
Altri autori (Persone)	IdelMoshe <1947->
Disciplina	296
Soggetti	Jews - Folklore Jewish magic Superstition - Religious aspects - Judaism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published: New York : Behrman's Jewish Book House, 1939. With new introd. Revision of the author's thesis (Ph.D.)--Columbia University.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- TABLE OF CONTENTS -- FOREWORD -- PREFACE -- Chapter 1. THE LEGEND OF JEWISH SORCERY -- Chapter 2. THE TRUTH BEHIND THE LEGEND -- Chapter 3. THE POWERS OF EVIL -- Chapter 4. MAN AND THE DEMONS -- Chapter 5. THE SPIRITS OF THE DEAD -- Chapter 6. THE POWERS OF GOOD -- Chapter 7. "IN THE NAME OF ... " -- Chapter 8. THE BIBLE IN MAGIC -- Chapter 9. THE MAGICAL PROCEDURE -- Chapter 10. AMULETS -- Chapter 11. THE WAR WITH THE SPIRITS -- Chapter 12. NATURE AND MAN -- Chapter 13. MEDICINE -- Chapter 14. DIVINATION -- Chapter 15. DREAMS -- Chapter 16. ASTROLOGY -- APPENDIX I: THE FORMATION OF MAGICAL NAMES -- APPENDIX II: MS. SEFER GEMATRIAOT, pp. 43a-44b, ON GEMS -- ABBREVIATIONS AND HEBREW TITLES -- BIBLIOGRAPHY -- GLOSSARY OF HEBREW TERMS -- INDEX
Sommario/riassunto	Alongside the formal development of Judaism from the eleventh through the sixteenth centuries, a robust Jewish folk religion flourished-ideas and practices that never met with wholehearted approval by religious leaders yet enjoyed such wide popularity that they could not be altogether excluded from the religion. According to

Joshua Trachtenberg, it is not possible truly to understand the experience and history of the Jewish people without attempting to recover their folklife and beliefs from centuries past. *Jewish Magic and Superstition* is a masterful and utterly fascinating exploration of religious forms that have all but disappeared yet persist in the imagination. The volume begins with legends of Jewish sorcery and proceeds to discuss beliefs about the evil eye, spirits of the dead, powers of good, the famous legend of the golem, procedures for casting spells, the use of gems and amulets, how to battle spirits, the ritual of circumcision, herbal folk remedies, fortune telling, astrology, and the interpretation of dreams. First published more than sixty years ago, Trachtenberg's study remains the foundational scholarship on magical practices in the Jewish world and offers an understanding of folk beliefs that expressed most eloquently the everyday religion of the Jewish people.

---