

### Abstracts accepted (as of July 21)

1. Z. Adamowicz and L. Kołodziejczyk: Partial collapses of the  $\Sigma_1$  formula hierarchy.
2. S. Akinci: Actualism in possible world realism.
3. S. Aleksanyan and A. Hovakimyan: Some characteristics of Frege proofs.
4. T. Andronikos, G. Koletsos and G. Stavrinou: An alternative tableaux method for propositional linear temporal logic.
5. E. Antonakos: Comparing justified and common knowledge.
6. O. Antonova and S. Soloviev: On historical roots of type theory.
7. S. Artemov and N. Krupski: On reflexive combinatory logic.
8. P. Balbiani and T. Tinchev: Euclidean geometry with lines alone.
9. G. Barmpalias and A. E. M. Lewis: A c.e. real that cannot be sw-computed by any  $\Omega$  number.
10. I. Batyrshin: Relative enumerability in Ershov's hierarchy.
11. L. Y. Belkova: About sufficient conditions for the existence of finite generative system in closed classes.
12. A. Berkman: Identification of simple generic  $L^*$ -groups of finite Morley rank.
13. I. Bondecka-Krzykowska and R. Murawski: Structuralist epistemology of mathematics.
14. P. Borodulin-Nadzieja: Measures on minimally generated Boolean algebras.
15. E. I. Bunina and A. V. Mikhalev: Elementary theories of abelian  $p$ -groups and second-order theories of their endomorphism rings.
16. J. Burdges: Sylow theory for " $p = 0$ " in groups of finite Morley rank.
17. D. Busneag, F. Chirteş and D. Piciu: The prime and maximal spectra of some algebras of fuzzy logic.
18. E. Calardo and V. V. Rybakov: Combining time and knowledge, a semantic approach.
19. S. Cavagnetto: Speed-up theorem and Kreisel's conjecture.
20. A. Chubaryan, A. Chubaryan and H. Bolibekyan: On the most generalized speed-up in first-order logic.
21. G. Ciobanu: Rational and irrational divergence of partial recursive functions.
22. J. Corcoran: Meanings of inference, deduction and derivation (**by title**).
23. A. Cordon-Franco, A. Fernández-Margarit and F. F. Lara-Martín: Envelopes, indicators and conservativeness.
24. G. Corsi: Semantic trees for Jankov's logic and intuitionistic logic.
25. S. Cosmadakis and E. Foustoucos: Datalog complexity tools applied to the problem of MSO evaluation on trees.
26. G. d'Agostino and G. Lenzi: On modal  $\mu$ -calculus over transitive frames.

27. A. Dawar, D. Richerby and B. Rossman: Choiceless polynomial time, counting and the Cai-Fürer-Immerman graphs.
28. R. Diaconescu and P. Stefaneas: Institutions: Methodological Implications.
29. I. M. Dimitriou: Fragments of choice and determinacy.
30. N. Dobrinen:  $\kappa$ -stationary subsets of  $\mathcal{P}_{\kappa+\lambda}$ .
31. P. Economou: A dynamic epistemic calculus for a parallel composition operator on epistemic programs.
32. P. Ehrlich: The Peircean linear continuum: a surreal model.
33. P. Eleftheriou and S. Starchenko: Groups definable in ordered vector spaces over ordered division rings.
34. A. A. Esin: Precomplete subclasses of functions in  $P_3$  with regard to a certain strengthened closure operator.
35. H. Faas: Heterogeneous inference from the standpoint of information flux.
36. N. Galatos: Algebraic methods in substructural logics.
37. G. Gherardi: Computable metric spaces and properties of computable regularity.
38. O. Grigoriev: On the approach to construction of analytic tableaux for priorian temporal logics.
39. T. Grubba and K. Weihrauch: A computable version of Dini's theorem for topological spaces.
40. J. Hirschorn: Splitting families of Baire functions.
41. P. Hrubec: Two hierarchies of universal predicates.
42. K. Ikeda: Stability of generic graphs.
43. A. B. Jebara: About space being not a continuum (**by title**).
44. R. Kahle: David Hilbert and the paradoxes (**by title**).
45. V. Kanovei and V. Lyubetsky: A cofinal family of equivalence relations generated by Borel ideals.
46. V. Kieftenbeld: Notions of strong compactness without the axiom of choice.
47. J. Kirby: Exponential and Weierstrass differential equations.
48. M. Kołowska-Gawiejnowicz: Some connections between bilinear logics and Grishin algebras.
49. R. Kontchakov, A. Kurucz and M. Zakharyashev: Undecidability of first-order intuitionistic and modal logics with two variables.
50. K. Krupinski and F. Wagner: Small profinite groups and rings.
51. O. Kullmann: Generalised clause-sets and hypergraph colouring.
52. M. Kurilić: Splitting families and forcing.
53. R. Kuznets: Logic of proofs as a measure of Hilbert-style proof complexity (**by title**).
54. T. Libert: Class abstraction as functional abstraction.

55. S. l' Innocente: Model Theory and Lie Algebras: Rings of definable scalars of Verma modules.
56. P. Lipparini:  $m$ -permutable varieties satisfy  $\alpha\beta_h = \alpha\gamma_h$  (**by title**).
57. R. S. Lubarsky: Reflection in constructive set theory.
58. L. Maksimova: On a form of interpolation in modal logics.
59. J. C. Martinez: On cardinal sequences of scattered Boolean spaces.
60. A. G. Melnikov: Torsion free low abelian groups.
61. H. Mildenberger and S. Shelah: Specializing Aronszahn trees and preserving some weak diamonds.
62. G. Moser & R. Zach: Complexity of elimination procedures in the epsilon calculus.
63. E. Nogina: On logic of proofs and provability (**by title**).
64. C. F. Nourani: Frege, Hilbert, Kant and Computation, A preface to discerning epistemic illusion (**by title**).
65. A. Novikov: On decidability of a class of program invariants.
66. Z. Ognjanović, Z. Marković and M. Rašković: A logic with imprecise and conditional probabilities.
67. I. Oitavem: Tree recursion and Pspace (**by title**).
68. M. Osorio: Computing safe beliefs (**by title**).
69. M. Petrykowski: Examples and applications of weak generic types.
70. D. Pierce: Model-Theory of Lie-Rings.
71. T. Polacik: Quantified intuitionistic propositional logic on pseudo-trees and trees.
72. A. Rabinovitch: On decidability of monadic logic of order over the naturals expanded by unary predicates.
73. G. Robbles, F. Salto and J. M. Mendez: A constructive negation defined with a negation connective for logics including  $Bp_+$ .
74. N. M. Rubtsova: Evidence-based knowledge for  $S5$ .
75. W. Ruitenburg: Models of basic arithmetic.
76. S. Sayadyan and A. Chubaryan: On the relative efficiency of different propositional proof systems.
77. P. Schreiner: Automated recognition of interpolation over  $S4.3$ .
78. D. Schrittemser: Lightface indescribable cardinals and generic absoluteness.
79. B. Semmes: A generalization of the Wadge and backtrack games.
80. A. A. Soskova: Minimal pairs and quasi-minimal degrees for joint spectra of structures.
81. P. Stouppa: The role of deep inference in the design of proof systems for  $S5$ .
82. C. Strannegård: A proof system for first-order reasoning.
83. A. I. Stukachev: On presentation of structures in admissible sets.

84. M. V. Stukacheva: About canonical formulas for paraconsistent extensions of minimal logic.
85. D. Surowik: Towards independency of axioms of some intuitionistic tense logic system.
86. B. Tsaban: On a conjecture and a problem of Hurewicz (**by title**).
87. A. Ursini: Linear reasoning inside classical logic (**by title**).
88. L. A. Urtubey: Reasoning about contextual knowledge in multi-agent systems.
89. D. Vakarelov: On a generalization of the Ackermann Lemma for computing first-order equivalents of modal formulas.
90. G. Vernaev and A. Hoogewijs: A formal treatment of partial iota terms.
91. D. V. Vukomanović: Implication and Lattices.
92. M. Vuković: Some notes on correspondince theory of the system  $IL$ .
93. V. Vuksanovic: Canonical equivalence relations on  $[\mathbf{R}]^n$ .
94. R. Wencel: Topological properties of various objects definable in weakly o-minimal structures.
95. D. E. Willard: On two partial (and not full) respects where an axiom system can recognize its own consistency and multiplication as a total function.
96. X. Zhou and H. Bao: Second level hypothetical inference.