

A LIST OF PUBLICATIONS
STANISLAV SPERANSKI

JOURNAL ARTICLES

- 2023 Elementary invariants for quantified probability logic.
Doklady Mathematics 107, 93–96.
- 2023 Infinitary action logic with multiplexing [with S. Kuznetsov].
Studia Logica 111(2), 251–280.
- 2022 Some remarks on Došen’s logic N and its extensions.
Siberian Electronic Mathematical Reports 19(2), 562–577.
- 2022 On the coprimeness relation from the viewpoint of monadic second-order logic [with F. Pakhomov].
Izvestiya: Mathematics 86(6), 1225–1239.
- 2022 Modal bilattice logic and its extensions.
Algebra and Logic 60(6), 407–424.
- 2022 Infinitary action logic with exponentiation [with S. Kuznetsov].
Annals of Pure and Applied Logic 173(2), 103057.
- 2021 Negation as a modality in a quantified setting.
Journal of Logic and Computation 31(5), 1330–1355.
- 2020 Belnap–Dunn modal logics: Truth constants vs. truth values [with S. Odintsov].
Review of Symbolic Logic 13(2), 416–435.
- 2019 Reasoning about arbitrary natural numbers from a Carnapian perspective [with L. Horsten].
Journal of Philosophical Logic 48(4), 685–707.
- 2018 Hintikka’s independence-friendly logic meets Nelson’s realizability [with S. Odintsov, I. Shevchenko].
Studia Logica 106(3), 637–670.
- 2017 Quantifying over events in probability logic: An introduction.
Mathematical Structures in Computer Science 27(8), 1581–1600.
- 2017 Notes on the computational aspects of Kripke’s theory of truth.
Studia Logica 105(2), 407–429.
- 2016 A note on hereditarily Π_1^0 - and Σ_1^0 -complete sets of sentences.
Journal of Logic and Computation 26(5), 1729–1741.
- 2016 The lattice of Belnapian modal logics: special extensions and counterparts [with S. Odintsov].
Logic and Logical Philosophy 25(1), 3–33.
- 2015 Some new results in monadic second-order arithmetic.
Computability 4(2), 159–174.
- 2013 Complexity for probability logic with quantifiers over propositions.
Journal of Logic and Computation 23(5), 1035–1055.
- 2013 A note on definability in fragments of arithmetic with free unary predicates.
Archive for Mathematical Logic 52(5–6), 507–516.
- 2013 Computability issues for adaptive logics in multi-consequence standard format [with S. Odintsov].
Studia Logica 101(6), 1237–1262.

- 2013 Collapsing probabilistic hierarchies. I.
Algebra and Logic 52(2), 159–171.
- 2013 On Belnapian modal algebras: representations, homomorphisms, congruences, and so on.
Siberian Electronic Mathematical Reports 10, 517–534.
- 2013 Probabilistic dynamic logic of cognition [with E. Vityaev, L. Perlovsky, B. Kovalerchuk].
Biologically Inspired Cognitive Architectures 6, 159–168.
- 2012 On algorithmic properties of propositional inconsistency-adaptive logics [with S. Odintsov].
Logic and Logical Philosophy 21(3), 209–228.
- 2011 Quantification over propositional formulas in probability logic: decidability issues.
Algebra and Logic 50(4), 365–374.
- 2011 On the computational aspects of the maximal specificity in probabilistic explanation. {In Russian}
Siberian Journal of Pure and Applied Mathematics 11(4), 78–93.
- 2011 On the logical consistency of probabilistic predictions. {In Russian}
Siberian Journal of Pure and Applied Mathematics 11(1), 99–115.

MANUSCRIPTS

- 2023 An ‘elementary’ perspective on reasoning about probability spaces.
Submitted. 26 p.
- 2023 On the quantified version of the Belnap–Dunn modal logic [with A. Grefenshtein].
Submitted. 33 p.
- 2023 On the decision problem for quantified probability logic.
In preparation.

TEXTBOOK

- 2014 *Introduction to Non-Classical Logics* [with S. Odintsov, S. Drobyshovich]. {In Russian}
Novosibirsk State University Press. 133 p.

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