Association for Symbolic Logic

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ASL NEWSLETTER ATTACHMENT

April 2025

NEW RESEARCH ARTICLES IN LOGIC

• Links to our Journal Articles. This attachment to the ASL Newsletter lists articles that have appeared online in our three journals since January 2025 and will be published in upcoming issues. The links given will take you to the webpage of each article listed, within the website of Cambridge University Press. Current ASL members should receive free access to these articles, as part of the journal subscriptions that are included with membership. Look for "Access options" on the article's webpage, and log in with your personal Cambridge Core account, which is the same account you use to create or renew your ASL membership. (ASL members do *not* use an institutional login.) Some assistance is available at https://www.cambridge.org/core/help/faqs.

Articles that were already in press before Januaruy 2025 are also available at the journal websites, or see https://aslonline.org/other-information/617-2/ for earlier editions of this attachment.

The Journal of Symbolic Logic

- Counterexamples in effective topology by Heer Tern Koh, Alexander G. Melnikov, and Keng Meng Ng.
- On separating wholeness axioms by Hanul Jeon.
- Menger and consonant sets in the Sacks model by Valentin Haberl, Piotr Szewczak, and Lyubomyr Zdomskyy.
- Hereditarily structurally complete extensions of RM by Krzysztof A. Krawczyk.
- Universality properties of forcing by Francesco Parente and Matteo Viale.
- The Kaufmann-Clote question on end extensions of models of arithmetic and the weak regularity principle by Mengzhou Sun.
- The transcendence degree of the reals over certain set-theoretical subfields by Azul Fatalini and Ralf Schindler.
- A note on the non-existence of prime models of theories of pseudo-finite fields by Zoé Chatzidakis.
- Reasoning from hypotheses in *-continuous action lattices by Stepan L. Kuznetsov, Tikhon Pshenitsyn, and Stanislav O. Speranski.
- Infinite games and Ramsey properties of F_{σ} ideals by José de Jesús Pelayo-Gómez.
- Torsion-free Abelian groups of finite rank and fields of finite transcendence degree by Meng-Che "Turbo" Ho, Julia Knight, and Russell Miller.
- Coding is hard by Sam Sanders.
- An order analysis of hyperfinite Borel equivalence relations by Su Gao and Ming Xiao.
- Polymorphism and minimal types without dependent products by Matthias Weber.
- Dimension and measure in pseudofinite *H*-structures by Alexander Berenstein, Darío García, and Tingxiang Zou.

- Iteration theorems for subversions of forcing classes by Gunter Fuchs and Corey Bacal Switzer.
- On a conjecture regarding the mouse order for weasels by Jan Kruschewski and Farmer Schlutzenberg.
- Higher Schreier theory in cubical agda by David Jaz Myers and Zyad Yasser.
- Countably compact extensions and cardinal characteristics of the continuum by Serhii Bardyla, Peter Nyikos, and Lyubomyr Zdomskyy.
- Asymptomatic truth-value laws in many-valued logics by Guillermo Badia, Xavier Caicedo, and Carles Noguera.
- The tree pigeonhole principle in the Weihrauch degrees by Damir D. Dzhafarov, Reed Solomon, and Manlio Valenti.
- Epimorphisms and acyclic types in univalent foundations by Ulrik Buchholtz, Tom De Jong, and Egbert Rijke.
- Learning equivalence relations on Polish spaces by Dino Rossegger, Theodore Slaman, and Tomasz Steifer.
- On equivalence relations induced by Polish groups admitting compatible two-sided invariant metrics by Longyun Ding and Yang Zheng.
- The covering numbers of some Mycielski ideals may be different by Otmar Spinas.
- A rigid Kurepa tree from a free Suslin tree by John Krueger.
- The short exact sequence in definable Galois cohomology by David Meretzky.

The Review of Symbolic Logic

- Minimal modal logics, constructive modal logics and their relations by Tiziano Dalmonte.
- From real analysis to the Sorites paradox via reverse mathematics by Walter Dean and Sam Sanders.
- Global supervenience in inquisitive modal logic by Ivano Ciardelli.
- Cut-free sequent calculi for the provability logic D by Ryo Kashima, Taishi Kurahashi, Sohei Iwata, and So Morioka.
- General notions of consistency by Paulo Guilherme Santos.
- Leibniz's mereology: a logical reconstruction by Filippo Costantini.
- Bi-connexive logic, bilateralism, and negation inconsistency by Heinrich Wansing, Satoru Niki, and Sergey Drobyshevich.
- Is there a countable omega-universal logic? by Alexander C. Paseau and Felix Weitkämper.
- A genuinely untyped explanation of common belief and knowledge by Paul Gorbow.

The Bulletin of Symbolic Logic

- New foundations of reasoning via real-valued first-order logics by Guillermo Badia, Ronald Fagin, and Carles Noguera.
- A formalisation of constructive evidence-based reasoning: constructing justifications by Juan C. Agudelo-Agudelo and Walter Carnielli.
- A modular bisimulation characterisation for fragments of hybrid logic by Guillermo Badia, Daniel Găină, Alexander Knapp, Tomasz Kowalski, and Martin Wirsing.