



ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER ATTACHMENT

January 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 November 2024 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 November 2024 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

- Cichoń’s maximum with evasion number by Takashi Yamazoe.
- Descriptive properties of I2-embeddings by Vincenzo Dimonte, Martina Iannella, and Philipp Lücke.
- Many-one reducibility with realizability by Takayuki Kihara.
- More on yet another ideal version of the bounding number by Adam Kwela.
- On free ultrafilters on ω with well-orderable bases in ZF by Eleftherios Tachtsis.
- Parameter-free schemes in second-order arithmetic by Victoria Gitman.
- Π_4^0 conservation of the ordered variable word theorem by Quentin Le Houérou and Ludovic Levy Patey.
- Sufficient conditions for local tabularity of a polymodal logic by Ilya B. Shapirovsky.
- The Weihrauch lattice at the level of Π_1^1 -CA₀: the Cantor-Bendixson theorem by Vittorio Cipriani, Alberto Marcone, and Manlio Valenti.
- Omega-categorical pseudofinite groups by Dugald MacPherson and Katrin Tent.
- Generalized tower spectra by Vera Fischer and Silvan Horvath.
- Categorical foundations of formalized condensed mathematics by Dagur Asgeirsson, Riccardo Brasca, Nikolas Kuhn, Filippo Alberto Edoardo Nuccio Montarino Majno Di Capriglio, and Adam Topaz.
- Definable Henselian valuations in positive residue characteristic by Margarete Ketelsen, Simone Ramello, and Piotr Szewczyk.
- Discrete sets definable in strong expansions of ordered Abelian groups by Alfred Dolich and John Goodrick.
- Scott sentence complexities of linear orderings by David Gonzalez and Dino Rossegger.
- Approximation theorems throughout reverse mathematics by Sam Sanders.

- 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.
- On proving consistency of equational theories in bounded arithmetic by Arnold Beckmann and Yoriyuki Yamagata.
- The complexity of order-computable sets by Huishan Wu.
- A dichotomy for countable unions of smooth Borel equivalence relations by N. De Rancourt and B.D. Miller.
- On indestructible strongly guessing models by Rahman Mohammadpour and Boban Veličković.
- Local finiteness in varieties of MS4-algebras by Guram Bezhanishvili and Chase Meadors.
- Rings with common division, common meadows and their conditional equational theories by Jan A. Bergstra and John V. Tucker.
- The compactness of Gödel logic by J.P. Aguilera.
- On the expressive power of inquisitive epistemic logic by Ivano Ciardelli and Martin Otto.
- Certified Σ_1 -sentences by Taishi Kurahashi and Albert Visser.
- Synonymy questions concerning the Quine systems by Thomas Forster and M. Randall Holmes.

The Review of Symbolic Logic

- Conservation as translation by Giulio Fellin and Peter Schuster.
- Compliance and command III: conditional imperatives by Kit Fine.
- Satisfaction classes with approximate disjunctive correctness by Ali Enayat.
- γ -admissibility in first-order relevant logics: proof using normal models in the Mares-Goldblatt setting by Nicholas Ferenz and Thomas Macaulay Ferguson.
- The algebras of Lewis's counterfactuals: axiomatizations and algebraizability by Giuliano Rosella and Sara Ugolini.
- The generic multiverse is not going away by Douglas Blue.
- What stands between grounding rules and logical rules is the excluded middle by Francesco A. Genco.

The Bulletin of Symbolic Logic

- A simplified lower bound for implicative logic by Emil Jeřábek.
- The lattice problem for models of PA by Athar Abdul-Quader and Roman Kossak.
- Feferman's completeness theorem by Fedor Pakhomov, Michael Rathjen, and Dino Rossegger.
- The Erdős-Hajnal problem list by Péter Komjáth.
- Univocity of intuitionistic and classical connectives by Rodolfo C. Ertola-Biraben and Branden Fitelson.