ASL

ASSOCIATION FOR SYMBOLIC LOGIC

ASL NEWSLETTER ATTACHMENT   April 2023

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 2023 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 January 2023 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

- Infinitary logic has no expressive efficiency over finitary logic by Matthew Harrison-Trainor and Miles Kretschmer.
- Partitioning the real line into Borel sets by Will Brian.
- Structural properties of the stable core by Sy-David Friedman, Victoria Gitman, and Sandra Müller.
- Remarks on convergence of Morley sequences by Karim Khanaki.
- The automorphism group of the Fraïssé limit of finite Heyting algebras – Addendum by Kentarô Yamamoto.
- Comparing computability in two topologies by Djamel Eddine Amir and Mathieu Hoyrup.
- The embedding property for sorted profinite groups by Junguk Lee.
- On cohesive powers of linear orders by Rumen Dimitrov, Valentina Harizanov, Andrey Morozov, Paul Shafer, Alexandra A. Soskova, and Stefan V. Vatev.
- Theories with distal Shelah expansions by Gareth Boxall and Charlotte Kestner.
- Tight eventually different families by Vera Fischer and Corey Bacal Switzer.
- Completeness of the Gödel-Löb provability logic for the filter sequence of normal measures by Mohammad Golshani and Reihane Zoghifard.
- Intuitionistic Sahlqvist theory for deductive systems by Damiano Fornasiere and Tommaso Moraschini.
- Elimination of imaginaries in ordered Abelian groups with bounded regular rank by Mariana Vicaria.
- A topometric Effros theorem by Itaï Ben Yaacov and Julien Melleray.

The Review of Symbolic Logic

- Canonicity in power and modal logics of finite achronal width by Robert Goldblatt and Ian Hodkinson.

- First-order relevant reasoners in classical worlds by Nicholas Ferenz.
- Modal quantifiers, potential infinity, and Yablo sequences by Michał Tomasz Godziszewski and Rafał Urbaniak.
- An algorithmic impossible-worlds model of belief and knowledge by Zeynep Soysal.
- Axioms for type-free subjective probability by Cezary Cieśliński, Leon Horsten, and Hannes Leitgeb.
- The Zhou ordinal of labelled Markov processes over separable spaces by Martín Santiago Moroni and Pedro Sánchez Terraf.
- Plural ancestral logic as the logic of arithmetic by Oliver Tatton-Brown.

The Bulletin of Symbolic Logic

- Which classes of structures are both pseudo-elementary and definable by an infinitary sentence? by Will Boney, Barbara F. Csima, Nancy A. Day, and Matthew Harrison-Trainor.
- A classical modal theory of lawless sequences by Ethan Brauer.
- Saturated models for the working model theorist by Yatir Halevi and Itay Kaplan.
- Tree theory: Interpretability between weak first-order theories of trees by Zlatan Damnjanovic.
- Incompatibility of generic hugeness principles by Monroe Eskew.