ASL NEWSLETTER ATTACHMENT   January 2024

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 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 November 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

- Regainingly approximable numbers and sets by Peter Hertling, Rupert Hölzl, and Philip Janicki.
- Polish space partition principles and Halpern-Läuchli theorem by Chris Lambie-Hanson and Andy Zucker.
- Non-trivial higher homotopy of first-order theories by Tim Campion and Jinhe Ye.
- Degree of satisfiability in Heyting algebras by Benjamin Merlin Bumpus and Zoltan A. Kocsis.
- The Baire closure and its logic by G. Bezhanishvili and D. Fernández-Duque.
- Forbidden induced subgraphs and the Łoś-Tarski theorem by Yijia Chen and Jörg Flum.
- Note on $\mathsf{TD} + \mathsf{DC}_{\mathbb{R}}$ implying $\mathsf{AD}^{L(\mathbb{R})}$ by Sean Cody.
- On compactness of weak square at singulars of uncountable cofinality by Maxwell Levine.
- Partition of large subsets of semigroups by Teng Zhang.
- Strong measure zero sets on 2^{κ} for κ inaccessible by Nick Steven Chapman and Johannes Philipp Schürz.
- Lebesgue measure zero modulo ideals on the natural numbers by Viera Gavalová and Diego A. Mejía.
- The strong and super tree properties at successors of singular cardinals by William Adkisson.
- Introenumerability, autoreducibility, and randomness by Ang Li.
- Effective cardinals and Σ^0_4-determinacy by J.P. Aguilera.
- More on blurry HOD by Gunter Fuchs.
- A terminating intuitionistic calculus by Giulio Fellin and Sara Negri.
- A Borel maximal cofinitary group by Haim Horowitz and Saharon Shelah.
- Degree spectra of homeomorphism type of compact Polish spaces by Mathieu Hoyrup, Takayuki Kihara, and Victor Selivanov.

- Divergent models with the failure of the continuum hypothesis by Nam Trang.
- Dividing lines between positive theories by Anna Dmitrieva, Francesco Gallinaro, and Mark Kamsma.
- Two examples concerning existential undecidability in fields by Philip Dittmann.

The Review of Symbolic Logic

- Paraconsistent and paracomplete Zermelo-Fraenkel set theory by Yurii Khomskii and Hrafn Valtýr Oddsson.
- An algebraic proof of completeness for monadic fuzzy predicate logic MMTL∀ – erratum by Juntao Wang, Hongwei Wu, Pengfei He, and Yanhong She.
- Beyond linguistic interpretation in theory comparison by Toby Meadows.
- Logics from ultrafilters by Daniele Mundici.

The Bulletin of Symbolic Logic

- Categorical quantification by Constantin C. Brîncuş.
- Poincaré-Weyl's predicativity: going beyond Γ_0 by Arnon Avron.
- A walk with Goodstein by David Fernández-Duque and Andreas Weiermann.
- On the existence of strong proof complexity generators by Jan Krajíček.