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Association for Symbolic Logic

ASL NEWSLETTER ATTACHMENT   April 2022

NEW RESEARCH ARTICLES IN LOGIC

- **Links to our Journal Articles.** In light of the pandemic-related delays in the mailing of journals, this attachment to the ASL Newsletter lists articles that have appeared online in our three journals since January 10 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 2022 are also available at the journal websites, or see `https://aslonline.org/other-information/617-2/` for earlier editions of this attachment.

Journal of Symbolic Logic

- Games characterizing limsup functions and Baire class 1 functions by Márton Elekes, János Flesch, Viktor Kiss, Donát Nagy, Márk Poór, and Arkadi Predtetchinski.

- On the structure of computable reducibility on equivalence relations of natural numbers by Uri Andrews, Daniel F. Belin, and Luca San Mauro.

- On the uncountability of $\mathbb{R}$ by Dag Normann and Sam Sanders.

- On restrictions of ultrafilters from generic extensions to ground models by Moti Gitik and Eyal Kaplan.

- Conservation theorems on semi-classical arithmetic by Makoto Fujiwara and Taishi Kurahashi.

- Specialising trees with small approximations I by Rahman Mohammadpour.

- Forcing constructions and countable Borel equivalence relations by Su Gao, Steve Jackson, Edward Krohne, and Brandon Seward.

- A generalized Cantor theorem in **ZF** by Yinhe Peng and Guozhen Shen.

- Model theory of fields with finite group scheme actions by Daniel Max Hoffmann and Piotr Kowalski.

- The consistency strength of the perfect set property for universally Baire sets of reals by Ralf Schindler and Trevor M. Wilson.

- Higher dimensional cardinal characteristics for sets of functions II by Jörg Brendle and Corey Bacal Switzer.

- Euclidean numbers and numerosities by Vieri Benci and Lorenzo Luperi Baglini.

- Initial segments of the degrees of CEERs by Uri Andrews and Andrea Sorbi.

- Connectedness in structures on the real numbers: O-minimality and undecidability by Alfred Dolich, Chris Miller, Alex Savatovsky, and Athipat Thamrongthanyalak.

- Mutual interpretability of weak essentially undecidable theories by Zlatan Damnjanovic.
- Trees and stationary reflection at double successors of regular cardinals by Thomas Gilton, Maxwell Levine, and Sárka Stejskalová.
- Taking Reinhardt's power away by Richard Matthews.
- Subcompact cardinals, type omission and ladder systems by Yair Hayut and Menachem Magidor.
- Bohr compactifications of groups and rings by Jakub Gismatullin, Grzegorz Jagiella, and Krzysztof Krupiński.
- Complete intuitionistic temporal logics for topological dynamics by Joseph Boudou, Martín Diéguez, and David Fernández-Duque.
- The Σ_1-definable universal finite sequence by Joel David Hamkins and Kameryn J. Williams.
- Variations on Δ_1^1 determinacy and $\aleph_{\omega_1}$ by Ramez L. Sami.
- A Dedekind-style axiomatization and the corresponding universal property of an ordinal number system by Zurab Janelidze and Ineke Van Der Berg.
- Boolean types in dependent theories by Itay Kaplan, Ori Segel, and Saharon Shelah.

The Review of Symbolic Logic

- Two-sorted Frege arithmetic is not conservative by Stephen Mackereth and Jeremy Avigad.
- Hume's Principle, Bad Company, and the axiom of choice by Sam Roberts and Stewart Shapiro.
- Tabularity and post-completeness in tense logic by Qian Chen and Minghui Ma.
- Modal quantifiers, potential infinity, and Yablo sequences by Michał Tomasz Godziszewski and Rafał Urbaniak.
- Plural ancestral logic as the logic of arithmetic by Oliver Tatton-Brown .
- Taming the 'elsewhere': on expressivity of topological languages by David Fernández-Duque.
- Set theory and a model of the mind in psychology by Asger Törnquist and Jens Mammen.
- A simple sequent system for minimally inconsistent **LP** by Rea Golan.
- Towards the inevitability of non-classical probability by Giacomo Molinari.
- KF, PKF, and Reinhardt's program by Luca Castaldo and Johannes Stern.
- Mereological bimodal logics by Dazhu Li and Yanjing Wang.
- A substructural Gentzen calculus for orthomodular quantum logic by Davide Fazio, Antonio Ledda, Francesco Paoli, and Gavin St. John.

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The Bulletin of Symbolic Logic

- An axiomatic approach to forcing in a general setting by Rodrigo A. Freire and Peter Holy.
- The collapse of the Hilbert program: a variation on the Gödelian theme by Saul A. Kripke.
- Constructing Wadge classes by Raphaël Carroy, Andrea Medini, and Sandra Müller.