



ASSOCIATION FOR SYMBOLIC LOGIC

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ASL NEWSLETTER ATTACHMENT

November 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 September 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 September 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

- BETWEENNESS ALGEBRAS by IVO DÜNTSCH, RAFALGRUSZCZYŃSKI, and PAULA MENCHÓN.
- ON MODEL-THEORETIC CONNECTED GROUPS by JAKUB GISMATULLIN.
- ON UNSUPERSTABLE THEORIES IN GDST by MIGUEL MORENO.
- ON THE ZARISKI TOPOLOGY ON ENDOMORPHISM MONOIDS OF OMEGA-CATEGORICAL STRUCTURES by MICHAEL PINSKER and CLEMENS SCHINDLER.
- STATIONARY REFLECTION AND THE FAILURE OF THE SCH by OMER BEN-NERIA, YAIR HAYUT, and SPENCER UNGER.
- NOTES ON SACKS’ SPLITTING THEOREM by KLAUS AMBOS-SPIES, ROD G. DOWNEY, MARTIN MONATH, and KENG MENG NG.
- MAXIMAL STABLE QUOTIENTS OF INVARIANT TYPES IN NIP THEORIES by KRZYSZTOF KRUPIŃSKI and ADRIÁN PORTILLO.
- On Easton support iteration of Prikry-type forcing notions by Moti Gitik and Eyal Kaplan.
- PAC STRUCTURES AS INVARIANTS OF FINITE GROUP ACTIONS by DANIEL MAX HOFFMANN and PIOTR KOWALSKI.
- BIG IN REVERSE MATHEMATICS: MEASURE AND CATEGORY by SAM SANDERS.
- Combinatorial Bounds in Distal Structures by Aaron Anderson.
- UNDEFINABILITY OF MULTIPLICATION IN PRESBURGER ARITHMETIC WITH SETS OF POWERS by CHRIS SCHULZ.
- FINITE UNDECIDABILITY IN NIP FIELDS by BRIAN TYRRELL.
- WEAK INDESTRUCTIBILITY AND REFLECTION by JAMES HOLLAND.

- WEAK WELL ORDERS AND FRAÏSSÉ'S CONJECTURE by ANTON FREUND and DAVIDE MANCA.
- A PROOF COMPLEXITY CONJECTURE AND THE INCOMPLETENESS THEOREM by JAN KRAJÍČEK.
- CLASSIFICATION OF ω -CATEGORICAL MONADICALLY STABLE STRUCTURES by BERTALAN BODOR.
- COMPUTABLE TOPOLOGICAL GROUPS by HEER TERN KOH, ALEXANDER G. MELNIKOV, and KENG MENG NG.
- First-order homotopical logic by Joseph Helfer.
- COLORING ISOSCELES TRIANGLES IN CHOICELESS SET THEORY by YUXIN ZHOU.
- ON COHEN AND PRIKRY FORCING NOTIONS by TOM BENHAMOU and MOTI GITIK.
- THORN FORKING, WEAK NORMALITY, AND THEORIES WITH SELECTORS by DANIEL MAX HOFFMANN and ANAND PILLAY.
- MORE ON HALFWAY NEW CARDINAL CHARACTERISTICS by BARNABÁS FARKAS, LUKAS DANIEL KLAUSNER, and MARC LISCHKA.
- USUBA'S PRINCIPLE UB_λ CAN FAIL AT SINGULAR CARDINALS by MOHAMMAD GOLSHANI and SAHARON SHELAH.
- WEAK HEIRS, COHEIRS, AND THE ELLIS SEMIGROUPS by ADAM MALINOWSKI and LUDOMIR NEWELSKI.
- PROOF SYSTEMS FOR TWO-WAY MODAL MU-CALCULUS by BAHAREH AFSHARI, SEBASTIAN ENQVIST, GRAHAM E. LEIGH, JOHANNES MARTI, and YDE VENEMA.

The Review of Symbolic Logic

- Ontological Purity for Formal Proofs by Robin Martinot.
- Non-Factive Kolmogorov Conditionalization by Michael Rescorla.
- An algebraic proof of completeness for monadic fuzzy predicate logic $mMTL \forall$ by Jun Tao Wang and Hongwei Wu.
- Decidable fragments of the Quantified argument calculus by Edi Pavlović and Norbert Gratzl.
- ALGEBRAIC SEMANTICS FOR RELATIVE TRUTH, AWARENESS, AND POSSIBILITY by EVAN PIERMONT.

The Bulletin of Symbolic Logic

- A TOPOLOGICAL APPROACH TO UNDEFINABILITY IN ALGEBRAIC EXTENSIONS OF \mathbb{Q} by KIRSTEN EISENTRÄGER, RUSSELL MILLER, CALEB SPRINGER, and LINDA WESTRICK.