THE JOURNAL OF SYMBOLIC LOGIC



Edited by

Steve Awodey, Coordinating Editor

Sylvy Anscombe

Jeremy Avigad

Lev Beklemishev

Alex Berenstein

Ricardo Camerlo

Damir Dzhafarov

Vera Fischer

Itay Kaplan

Elvira Mayordomo

Hiroshi Sakai

Anton Setzer

VOLUME 89 · NUMBER 2 · JUNE 2024 · ISSN 0022-4812

Copyright © 2024 by the Association for Symbolic Logic. All rights reserved.

Reproduction by photostat, photo-print, microfilm, or like process by permission only.

The BULLETIN, the JOURNAL and the REVIEW OF SYMBOLIC LOGIC are the official organs of the Association for Symbolic Logic, an international organization for furthering research in logic and the exchange of ideas among mathematicians, computer scientists, linguists, and others interested in this field.

The JOURNAL invites submission of original scholarly work in mathematical logic and its applications.

Editors

Steve Awodey (Coordinating Editor)

Departments of Philosophy and Mathematics, Carnegie Mellon University, 5000 Forbes Avenue,

Pittsburgh, PA 15213, USA

(awodey@amu.edu);

Sylvy Anscombe

Université de Paris, France

(sylvy.anscombe@imj-prg.fr);

Jeremy Avigad

Departments of Philosophy and Mathematics, Carnegie Mellon University, 5000 Forbes Avenue,

Pittsburgh, PA 15213, USA

(avigad@cmu.edu);

Lev Beklemishev

Steklov Mathematical Institute of RAS, Gubkina str. 8, 119991 Moscow, Russia

(lbekl@yandex.ru);

Alex Berenstein

Departamento de Matemáticas, Universidad de los Andes, Cra 1 Nº 18A-12, Edificio H,

111711 Bogotá, Colombia

(aberenst@uniandes.edu.co);

Ricardo Camerlo

Dipartimento di Matematica, Università di Genova, Via Dodecaneso, 35 16146 Genova, Italy (camerlo@dima.unige.it);

Damir Dzhafarov

Department of Mathematics, University of Connecticut, 341 Mansfield Road U1009, Storrs, CT 06269-1009, USA

(damir@math.uconn.edu);

Vera Fischer

University of Vienna, Kolingasse 14-16, 1090 Vienna, Austria

(vera.fischer@univie.ac.at);

Itay Kaplan

Einstein Institute of Mathematics, Office Ross 78B, Hebrew University (The Edmond J. Safra Campus – Giv'at Ram), Jerusalem 91904, Israel

(kaplan@math.huji.ac.il);

Elvira Mayordomo

Departamento de Informática, Universidad de Zaragoza, María de Luna 1, 50018 Zaragoza, Spain (elvira@unizar.es);

Hiroshi Sakai

Graduate School of System Informatics, Kobe University, 1-1 Rokkodai-cho, Nada-ku, Kobe, 657-8501, Japan

(hsakai@people.kobe-u.ac.jp);

Anton Setzer

Department of Computer Science, Swansea University Bay Campus, Fabian Way, Swansea, SA1 8EN, UK (a.g.setzer@swansea.ac.uk).

Manuscripts should be submitted using EditFlow at https://ef.msp.org/submit/asl_jsl, where instructions directed specifically at using the system can also be found.

Authors should keep a complete copy of their submission and all electronic files from which it was created. They should also consult the more general guidelines for the submission of manuscripts at https://aslonline.org/journals/the-journal-of-symbolic-logic/submission-guide-lines/. These instructions include the Association's standards about previous publication and plagiarism as well as information about copyrights and electronic copies of published papers. No print offprints will be supplied but authors will receive a link to a freely accessible electronic pdf of their published article. Print offprints may be purchased if required.

TABLE OF CONTENTS

The definability of the extender sequence \mathbb{E} from $\mathbb{E} \mid \aleph_1$ in $L[\mathbb{E}]$	
Farmer Schlutzenberg.	427
Classification of ω -categorical monadically stable structures	
Bertalan Bodor	460
More on Galois cohomology, definability, and differential algebraic groups	
OMAR LEÓN SÁNCHEZ, DAVID MERETZKY, and ANAND PILLAY	496
Forbidden induced subgraphs and the Łoś-Tarski theorem	
YIJIA CHEN and JÖRG FLUM	516
Partitioning the real line into Borel sets	
WILL BRIAN	549
On the cofinality of the least λ -strongly compact cardinal	
ZHIXING YOU and JIACHEN YUAN	569
Modular many-valued semantics for combined logics	
Carlos Caleiro and Sérgio Marcelino	583
Cantorian models of predicative NF	
Panagiotis Rouvelas	637
Isomorphism of locally compact polish metric structures	
Maciej Malicki	646
Discontinuous homomorphisms of $C(X)$ with $2^{\aleph_0} > \aleph_2$	
	665
Tight eventually different families	
Vera Fischer and Corey Bacal Switzer	697
NSOP ₁ -like independence in AECats	
Mark Kamsma	724
Axiomatizability of propositionally quantified modal logics on relational	
frames	
Peter Fritz	758
Katětov order on MAD families	
Osvaldo Guzmán	794
Partition genericity and pigeonhole basis theorems	
Benoit Monin and Ludovic Patey	829
On Cohen and Prikry forcing notions	
Том Веннамои and Моті Gitik	858
Keisler's theorem and cardinal invariants	
Tatsuya Goto	905
Investigating the computable Friedman–Stanley jump	
Uri Andrews and Luca San Mauro	918