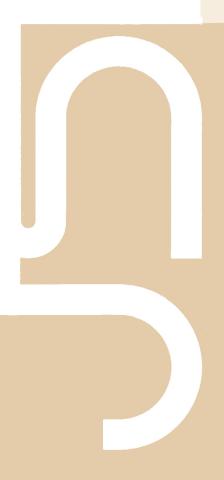
## THE JOURNAL OF SYMBOLIC LOGIC



## **Edited by**

Alessandro Berarducci, Coordinating Editor

Erich Grädel

Noam Greenberg

**Bradd Hart** 

Ralf Schindler

Frank Stephan

Alasdair Urquhart

Boban Velickovic

Andreas Weiermann

VOLUME 78 • NUMBER 2 • JUNE 2013 • ISSN 0022-4812

Copyright © 2013 by the Association for Symbolic Logic. All rights reserved.

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

## TABLE OF CONTENTS

Satisfaction relations for proper classes: Applications in logic and set theory,	
by Robert A. Van Wesep	345
Extensions of ordered theories by generic predicates, by ALFRED DOLICH,	
CHRIS MILLER, and CHARLES STEINHORN	369
Decidability for some justification logics with negative introspection, by	
THOMAS STUDER	388
Canonical measure assignments, by Steve Jackson and Benedikt Löwe	403
A fixed point for the jump operator on structures, by Antonio Montalbán.	425
Borel reductions and cub games in generalised descriptive set theory, by	
Vadim Kulikov	439
Partial impredicativity in reverse mathematics, by Henry Towsner	459
Ample thoughts, by Daniel Palacín and Frank O. Wagner	489
Nonexistence of minimal pairs for generic computability, by Gregory Igusa	511
Unexpected imaginaries in valued fields with analytic structure, by DEIRDRE	
HASKELL, EHUD HRUSHOVSKI, and DUGALD MACPHERSON	523
Models of transfinite provability logic, by David Fernández-Duque	
and Joost J. Joosten	543
On colimits and elementary embeddings, by Joan Bagaria and Andrew	
Brooke-Taylor	562
Probabilistic algorithmic randomness, by Sam Buss and Mia Minnes	579
Independence, dimension and continuity in non-forking frames, by ADI	
Jarden and Alon Sitton	602
A quasi-order on continuous functions, by RAPHAËL CARROY	633
On the definability of radicals in supersimple groups, by CÉDRIC MILLIET	649
Topological dynamics and definable groups, by Anand Pillay	657
On skinny stationary subsets of $\mathscr{P}_{\kappa}\lambda$ , by Yo Matsubara and Toshimichi	
Usuba	667

THE JOURNAL OF SYMBOLIC LOGIC (ISSN print: 0022-4812, ISSN online: 1943-5886) is published quarterly, in the months of March, June, September, and December, by the Association for Symbolic Logic, Inc., 124 Raymond Avenue, Poughkeepsie, NY 12604-0001, USA. Periodicals postage is paid at Poughkeepsie NY and at additional mailing offices. The JOURNAL is distributed with THE BULLETIN OF SYMBOLIC LOGIC. The 2013 annual subscription price for the two journals, in either print or electronic form, is US\$650; visit http://www.aslonline.org/Journals-subscription.html for more information. Postmaster: Send address changes to The Journal of Symbolic Logic, c/o American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294, USA. Business correspondence should be sent to the Secretary-Treasurer of the Association, Charles Steinhorn (address on inside back cover).

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 symbolic logic and the exchange of ideas among mathematicians, philosophers, computer scientists, linguists, and others interested in this field.

Continued on inside back cover

10 9 8 7 6 5 4 3 2 1 18 17 16 15 14 13