



VOLUME 30, NUMBER 4 FALL 1989

PUBLISHED QUARTERLY BY THE UNIVERSITY OF NOTRE DAME, NOTRE DAME, INDIANA

NOTRE DAME JOURNAL OF FORMAL LOGIC

Editors: Michael Detlefsen John P. Burgess Mark E. Nadel Anand Pillay William W. Tait

Business Manager: Jan Houseman

VOLUME 30, NUMBER 4, FALL 1989

CONTENTS

On relativitizing Kolmogorov's absolute probability functions.	
By Hugues Leblanc and Peter Roeper	485
An isomorphism between rings and groups. By Awad A. Iskander	513
Near coherence of filters III: A simplified consistency proof. By Andreas Blass and Saharon Shelah	530
Cofinalities of countable ultraproducts: The existence theorem. By <i>R. Michael Canjar</i>	539
Some results on intermediate constructive logics. By Pierangelo Miglioli, Ugo Moscato, Mario Ornaghi, Silvia Quazza, and Gabriele Usberti	543
An elementary proof for some semantic characterizations of nondeterministic Floyd-Hoare logic. By <i>Ildikó Sain</i>	563
Infinite sets of nonequivalent modalities. By Fabio Bellissima	574
Paraconsistency and the C-systems of DaCosta. By Igor Urbas	583
On an unsound proof of the existence of possible worlds. By Christopher Menzel	598
Objects and existence: Reflections on free logic. By Richard L. Mendelsohn	604
On finite models of regular identities. By Józef Dudek and Andrzej Kisielewicz	624
Book review: S. G. Shanker, <i>Wittgenstein and the turning point in the philosophy of mathematics</i> . Reviewed by <i>Shelley Stillwell</i>	629
Author Index V. Volumes 26-30 (1985-1989). By Jan Houseman	
Volume 30 contents following page	658

Notre Dame Journal of Formal Logic is published quarterly by the University of Notre Dame in the Winter, Spring, Summer, and Fall of each year. The Journal is composed by Beljan, Ltd., Dexter, Michigan and printed by Cushing-Malloy, Inc., Ann Arbor, Michigan. Second-class postage paid at Notre Dame, Indiana 46556.

Subscriptions are \$45.00 per year for institutions and \$25.00 for individuals. Back volumes are \$20.00 each for Volumes 1-10 and \$40.00 each for Volumes 11-30. Orders for subscriptions and back volumes (accompanied by payment) and changes of address should be sent to the Business Manager, P.O. Box 5, Notre Dame, Indiana 46556, U.S.A.

Copyright © 1989 by the University of Notre Dame. All rights reserved. Coden: NDJFAM.

Notre Dame Journal of Formal Logic (ISSN 0029-4527)