Notre Dame JOURNAL OF FORMAL LOGIC



VOLUME 30, NUMBER 2 SPRING 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
Copy Editor:
Jon Beane

VOLUME 30, NUMBER 2, SPRING 1989

CONTENTS

Peano's smart children: A provability logical study of systems with built-in consistency. By <i>Albert Visser</i>	161
The Boolean spectrum of an o-minimal theory. By Charles Steinhorn and Carlo Toffalori	197
Modularity and relevant logic. By James Garson	207
Monadic Π_1^1 -theories of Π_1^1 -properties. By <i>Kees Doets</i>	224
Combinators and categorial grammar. By Peter Simons	241
Isomorphic but not lower base-isomorphic cylindric algebras of finite dimension. By <i>Balázs Biró</i>	262
Set mappings on Dedekind sets. By Norbert Brunner	268
Models for modal syllogisms. By Fred Johnson	271
Some compactness results for modal logic. By George F. Schumm	285
Leśniewski's strategy and modal logic. By John T. Kearns	291
Book Review: Non-well-founded sets, by Peter Aczel. Reviewer R. Hinnion	308

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 \$35.00 each for Volumes 11-29. 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)