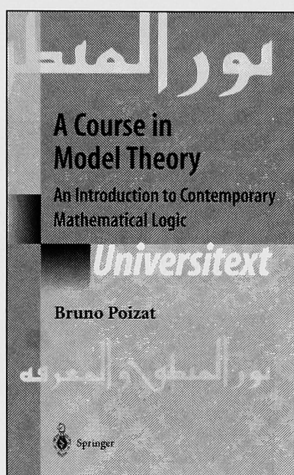


NEW FROM SPRINGER

"Unlike usual introductions to logic that begin with tedious formulations of first-order languages, Poizat cuts right to the chase by commencing with the back-and-forth approach to hierarchies of local isomorphisms between relational structures. By thus showing model theory in a mathematical, rather than metamathematical, light, he aims at a wide audience. A unique book, highly recommended. Upper-division undergraduates and up." — CHOICE



B. Poizat, Université Claude Bernard Lyon I, Villeurbanne Cedex, France

A Course in Model Theory **An Introduction to Contemporary** **Mathematical Logic**

This book, translated from the French, is an introduction to first order model theory. The first six chapters are very basic: starting from scratch, they quickly reach the essential, namely, the back-and-forth method and compactness, which are illustrated with examples taken from algebra. The next chapter introduces logic via the study of the models of arithmetic, and the following chapter is a combinatorial toolbox preparing for the chapters on saturated and prime models. The last ten chapters form a rather complete, but nevertheless accessible, exposition of stability theory, which is the core of the subject.

CONTENTS: Preface to the English Edition • Introduction • Elementary Classes of Relations • The Language Associated with a Relation • Extensions of the Language: Structures • Compactness • The Back-and-Forth Method in ω -Saturated Models • Examples Illustrating the Back-and-Forth Method • Arithmetic • Ordinals and Cardinals • Saturated Models • Prime Models • Heirs • Special Sons, Morley Sequences • The Fundamental Order • Stability and Saturated Models • Forking • Strong Types • Notions of Rank • Stability and Prime Models • Stability, Indiscernible Sequences and Weights • Dimension in Models of a Totally Transcendental Theory • Bibliography • Index of Notation • Index

2000/464 PAGES/HARDCOVER/\$59.95/ISBN 0-387-98655-3
UNIVERSITEXT



Springer

www.springer-ny.com

ORDER TODAY

AT A 20% DISCOUNT - \$47.96

CALL: Toll-Free 1-800-SPRINGER • **FAX:** 201-348-4505

WRITE: Springer-Verlag New York, Inc. Dept. S2550,
PO Box 2485, Secaucus, NJ 07096-2485

EMAIL: orders@springer-ny.com

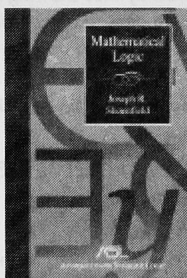
YOUR 30-DAY RETURN PRIVILEGE IS ALWAYS GUARANTEED

Offer valid till December 31, 2001.

06/01

PROMOTION #S2550

ASL titles now available from A K Peters, Ltd.



A Classic Reissued

Mathematical Logic

Joseph R. Shoenfield

2001; Paperback; 356 pp.; \$35.00

ASL member price: \$28.00

From the Lecture Notes in Logic Series

Recently Reprinted

Recursion Theory

Lecture Notes in Logic, 1

Joseph R. Shoenfield

2001; Paperback; 96 pp.; \$25.00

ASL member price: \$20.00

Logic Colloquium '90

Lecture Notes in Logic, 2

Juha Oikkonen and

Jouko Väänänen, editors

Helsinki, July 15-22, 1990

2001; Paperback; 320 pp.; \$50.00

ASL member price: \$40.00

Gödel '96:

Logical Foundations of Mathematics,
Computer Science and Physics—

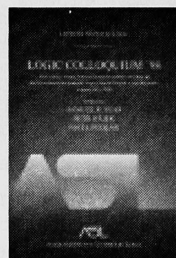
Kurt Gödel's Legacy

Lecture Notes in Logic, 6

Petr Hájek, editor

2001; Paperback; 336 pp.; \$50.00

ASL member price: \$40.00



Logic Colloquium '98

Lecture Notes in Logic, 13

Sam Buss, Petr Hájek, and

Pavel Pudlák, editors

Prague, August 9-15, 1998

2000; Hardcover; 560 pp.; \$85.00

ASL member price: \$68.00

2000; Paperback; 560 pp.; \$40.00

ASL member price: \$32.00

Order directly from

A K Peters, and mention your

ASL membership to receive

the ASL member price.



A K Peters, Ltd., 63 South Ave., Natick, MA 01760-4626

Tel: (508) 655-9933 Fax: (508) 655-5847 Email: service@akpeters.com

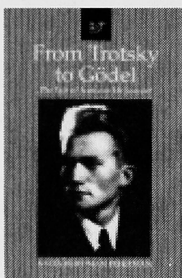
20%

discount for ASL members on all
A K Peters books, including

**Logical Dilemmas:
The Life and Work of Kurt Gödel**

John Dawson
Hardcover; 376 pp.; \$49.95
ASL member price: \$40.00

“Dawson’s account of Gödel’s life and work is a masterpiece.”—*Nature*



**From Trotsky to Gödel:
The Life of Jean van Heijenoort**

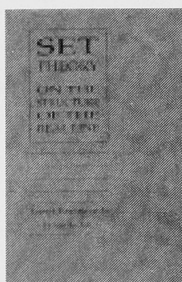
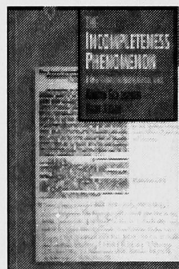
(previously published as *Politics, Logic, and Love*)
Anita Burdman Feferman
Paperback; 432 pp.; \$24.95
ASL member price: \$20.00

“[A] moving, original book.”—*The New Yorker*

The Incompleteness Phenomenon

Martin Goldstern, Haim Judah
Paperback; 264 pp.; \$39.00
ASL member price: \$30.00

“...This is an excellent source for a rigorous survey of the basic items of mathematical logic.”—*Mathematical Reviews*



**Set Theory:
On the Structure of the Real Line**

Tomek Bartoszyński, Haim Judah
Hardcover; 560 pp.; \$78.00
ASL member price: \$62.00

“This book will be a most valuable guide to the present state of the art...”

—*Bulletin of the London Mathematical Society*

*** Check out www.akpeters.com for a full listing of our titles. ***

Order directly from A K Peters, and mention your ASL membership to receive the 20% discount.



A K Peters, Ltd., 63 South Ave., Natick, MA 01760-4626
Tel: (508) 655-9933 Fax: (508) 655-5847 Email: service@akpeters.com

Articles in <i>Handbook of logic in artificial intelligence and logic programming</i> .	
Volume 3. Reviewed by G. Aldo Antonelli	480
G. Antoniou, <i>Nonmonotonic reasoning</i> . Reviewed by Marek A. Suchenek ...	484
M. Marx and Y. Venema, <i>Multi-dimensional modal logic</i> . Reviewed by Dimitar Vakarelov	490
Two papers by J. Baumgartner and P. Dordal. Reviewed by Alan Dow	495
Two papers by James Baumgartner. Reviewed by Stevo Todorčević	497
Selected articles in <i>The philosophy of mathematics today</i> . Reviewed by William Demopoulos	498

IN MEMORIAM

In Memoriam: Kenneth Jon Barwise, 1942–2000, by SOLOMON FEFERMAN ..	505
Officers and Committees of the Association for Symbolic Logic	509
Members of the Association for Symbolic Logic	513
Notices	567

Communications should be announcements of important new results and ideas in any aspect of logic; they may be short papers in their final form or preliminary announcements (extended abstracts, position papers) of longer, full papers that will be published elsewhere. In any case, they should include, in addition to a description of the new results or ideas, enough history, background, and explanation to make the significance of the work apparent to a wide audience. *Communications* will be quickly refereed and published within six months of the submission of final versions.

Articles should be submitted to **Andreas R. Blass**, *Department of Mathematics, University of Michigan, Ann Arbor, MI 48109, USA* (ablass@umich.edu). *Communications* may be submitted to any of the other editors: **John P. Burgess**, *Department of Philosophy, Princeton University, Princeton, NJ 08544, USA* (jburgess@pucc.princeton.edu); or **Matthew Foreman**, *Department of Mathematics, University of California, Irvine, CA 92697, USA* (mforeman@math.uci.edu); or **H. Dugald Macpherson**, *Department of Pure Mathematics, University of Leeds, Leeds LS2 9JT, England* (pmthdm@amsta.leeds.ac.uk); or **Philip J. Scott**, *Department of Mathematics, University of Ottawa, 585 King Edward, Ottawa, Ontario, Canada K1N 6N5* (phil@csi.uottawa.ca); or **Richard A. Shore** (Managing Editor), *Department of Mathematics, Malott Hall, Cornell University, Ithaca, NY 14853, USA* (shore@math.cornell.edu).

Books for review in the BULLETIN should be sent to **Herbert B. Enderton**, *Association for Symbolic Logic, UCLA, Los Angeles, CA 90095-1555, USA*. The other editors of reviews are **Thomas Jech** (jech@math.psu.edu), **Penelope Maddy** (pjmaddy@uci.edu), **Wolfram Pohlers** (pohlers@escher.uni-muenster.de), and **Philip Scowcroft** (pscowcroft@wesleyan.edu). Submitted manuscripts should be typewritten with wide margins and with double spacing between the lines, or prepared with a word processor, such as L^AT_EX or Microsoft Word. Two copies of the manuscript should be sent to the editor, and the author should also keep a complete copy and the electronic file from which the submitted copy was prepared, if a word processor was used. After the paper is accepted in its final form, an electronic copy will be appreciated and will advance the final publication date of the paper, especially if it is in L^AT_EX or A_MS-L^AT_EX. The JOURNAL and the BULLETIN OF SYMBOLIC LOGIC are typeset in a version of A_MS-L^AT_EX, using a stylefile which is posted on the ASL Website, <http://www.aslonline.org>, along with instructions for its use. Fifty offprints of each article are supplied at no charge, and additional offprints may be purchased if desired.

Postscript files of articles published in the BULLETIN may be downloaded using a Web browser from <http://www.math.ucla.edu/~asl/bsltoc.htm>.

Requests for information, applications for membership, orders for back volumes, business correspondence, and notices and announcements for publication in the BULLETIN should be sent to the Secretary-Treasurer of the Association, **Charles Steinhorn**, *ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, NY 12604 USA*. The electronic mail address of the Association's business office is asl@vassar.edu. The ASL Website is located at <http://www.aslonline.org>.

Continued on facing page.



1079-8986(200012)6:4*;1-N