Perspectives in Mathematical Logic

Ω-Group: R. O. Gandy, H. Hermes, A. Levy, G.H. Müller, G.E. Sacks, D.S. Scott

J. Barwise

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An Approach to Definability Theory

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ISBN 3-540-07451-1

From the reviews:
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Mathematical Reviews

J.G. Fenstadt

General Recursion Theory: An Axiomatic Approach

1980. XI, 225 pages. ISBN 3-540-09349

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P.G. Hinman

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1978. XII, 480 pages. ISBN 3-540-07904-1

Contents: Basic Notions of Definability: Groundwork. Ordinary Recursion Theory. Hierarchies and Definability. - **The Analytical and Projective Hierarchies:** The First Level. - Δ^1_2 and Beyond. - Generalized Recursion Theories: Recursion in a Type-2 Functional. Recursion in a Type-3 Functional. Recursion on Ordinals. - Epilogue.

Springer-Verlag
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A. Levy

Basic Set Theory

1979. 20 figures, 1 table. XIV, 391 pages. ISBN 3-540-08417-7

Contents: Pure Set Theory: The Basic Notions. Order and Well-Foundeness. - Cardinal Numbers. The Ordinals. The Axiom of Choice and Some of Its Consequences. - **Applications and Advanced Topics:** A Review of Point Set Topology. The Real Spaces. Boolean Algebras. - Infinite Combinatorics and Large Cardinals. - Appendix. - Bibliography. - Index of Notation. - Index.

D. van Dalen

Logic and Structure

1980. 35 figures, 4 tables. IX, 172 pages
(Universitext). ISBN 3-540-09893-3

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The Mathematical Gazette

J. Malitz

Introduction to Mathematical Logic

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1979. 2 figures, 1 table. XII, 198 pages.
(Undergraduate Texts in Mathematics).
ISBN 3-540-90346-1

From the reviews:

"...The book is written in a fresh readable style. The last Chapter of each part gives a perspective of recent trends in the field. The text is accompanied by a number of instructive exercises. The book contains a reasonable portion of results from three different branches of Logic and Foundations and can be recommended as an introductory text to mathematical logic.

"Zentralblatt für Mathematik

Y.I. Man

A Course in Mathematical Logic

Translated from the Russian by N. Koblitz

1977. 1 figure. XIII, 286 pages. (Graduate Texts in Mathematics, Volume 53).
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Zentralblatt für Mathematik

J.D. Monk

Mathematical Logic

1976. X, 531 pages
(Graduate Texts in Mathematics, Volume 37)
ISBN 3-540-90170-1

From the reviews:

"This book offers a highly up-to-date presentation of those aspects of mathematical logic, which stand at present in the center of general interest...

Conceived in a thoroughly modern spirit and exhibiting the trends of further development, this book is indeed an important contribution to the literature of mathematical logic. It will be of interest not only to graduate students, but also to specialists."

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