

CONTENTS

Chapter 3. REPRESENTABLE CYLINDRIC ALGEBRAS	1
3.1 Cylindric set algebras	3
3.2 Representation theory	59
Problems.	103
Chapter 4. NOTIONS OF LOGIC RELATED TO CYLINDRIC ALGEBRAS	107
4.1 Model theory of cylindric algebras.	109
4.2 Decision problems	131
4.3 Connections between logic and cylindric algebras.	151
Problems.	179
Chapter 5. OTHER ALGEBRAIC VERSIONS OF LOGIC	181
5.1 Diagonal-free cylindric algebras	183
5.2 Projective algebras	205
5.3 Relation algebras.	211
5.4 Polyadic algebras	225
5.5 Relativized cylindric algebras	245
5.6 Abstract algebraic logic and more algebraic logics	255
Problems.	273
BIBLIOGRAPHY	275
I. Bibliography of cylindric algebras and related algebraic structures	275
II. Supplementary bibliography.	289
INDEX OF SYMBOLS	291
INDEX OF NAMES AND SUBJECTS	297