

Contents

Preface	iii
Contributors	ix
Some Genealogies in Rings of Continuous Functions Charles E. Aull	1
A Cardinal Generalization of z -Embedding Robert L. Blair	7
The Birth of the Stone-Čech Compactification Douglas E. Cameron	67
Generalized Perfect Maps and a Theorem of I. Juhász W. Wistar Comfort and Teklehaimanot Retta	79
On Initially κ -Compact Spaces Alan Dow	103
Relatively Uniformly Complete ϕ -Algebras William A. Feldman	109
Extreme Positive Operators and Function Spaces William A. Feldman and James F. Porter	125

A Note on Extending Zero Sets from the Real Line Ralph Fox	141
Rings of Continuous Functions Are Rings: A Survey Leonard Gillman	143
$C(X)$ Has No Proper Functorial Hulls Anthony W. Hager	149
Algebraic Closures of \mathfrak{L} -Groups of Continuous Functions Anthony W. Hager	165
Unsolved Problems on Algebraic Aspects of $C(X)$ Melvin E. Henriksen	195
Prime Ideals in Function Rings Meyer Jerison	203
Partial Extension of Bounded Functions to Compactifications Ronnie Levy	207
The Extension of Uniformly Continuous Banach Space-Valued Mappings Ronnie Levy and Michael D. Rice	219
The Long Line as a Remainder John Mack	237
N -Compactness, Metrizable, and Covering Dimension Stanislaw Mrowka	247
Concerning the Equation $C(\prod\{X_a\}) = C(\prod\{wX_a\})$ Robert M. Stephenson, Jr.	277
Some Topological Characterizations of the Generalized Continuum Hypothesis Mary Anne Swardson	283
More Realcompact Spaces Scott W. Williams	289
Hausdorff Extension Properties: A Summary R. Grant Woods	301
Problem Section Charles E. Aull	311
Index	315