Contents

In: Stanley P. Franklin and Zdeněk Frolík and Václav Koutník (eds.): General Topology and Its Relations to Modern Analysis and Algebra, Proceedings of the Kanpur topological conference, 1968. Academia Publishing House of the Czechoslovak Academy of Sciences, Praha, 1971.
pp. 331--332.

Persistent URL: http://dml.cz/dmlcz/700576

Terms of use:

© Institute of Mathematics AS CR, 1971

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.

This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library* http://project.dml.cz

CONTENTS

Foreword 9
On behalf of the Organizing Committee 11
List of participants 12
List of communications 13
Scientific communications 15

ALÒ R. A.: Uniformities and Embeddings 17
ARYA SHASHI PRABHA: Some Recent Work on Paracompactness 33
AULL C. E.: Paracompact and Countably Paracompact Subsets 49
AULL C. E.: Some Base Axioms for Topology Involving Enumerability 55
BANASCHEWSKI B.: Projective Covers in Categories of Topological Spaces and Topological Algebras 63
BERRI M. P., PORTER J. R., and STEPHENSON R. M., JR.: A Survey of Minimal Topological Spaces 93
BUCH V. B.: Continuously Ordered Spaces 115
DESHPANDÉ J. V.: On Strong Continuity of a Partial Order 119
FRANKLIN S. P.: A Homogeneous Hausdorff E_0-space Which Is Not E_1 125
FRANKLIN S. P.: A New Metrization Proof 127
FROLÍK Z.: Maps of Extremally Disconnected Spaces, Theory of Types and Applications 131
ISBELL J. R.: **Top** and its Adjoint Relatives 143
JANAKIRAMAN S. and RAJAGOPALAN M.: Finer Topologies in Locally Compact Groups. . . 155
JONES F. B.: One-to-one Continuous Images of a Line 157
KRISHNAMURTHY V.: Conjugate Locally Convex Spaces IV 161
KRISHNAN V. S.: Semiuniform Spaces, and Seminorms, Semimetrics, Semiecarts in Apo-Semigroups 163
KRISHNARAO G. V.: Nonstable Homotopy Groups of $U(n)$ 173
MAGILL K. D., JR.: Homomorphisms and Isomorphisms of Semigroups of Continuous Selfmaps 175
MATHUR ASHA: Some Weaker Forms of Compactness 181
MEENAKSHI K. N.: On Topological Boolean Algebras 193
MEYER P. R.: New Cardinal Invariants for Topological Spaces 201
MRÓWKA S.: E-complete Regularity and E-compactness 207
MRÓWKA S.: β-like Compactifications 215

NOVÁK J.: On Some Problems Concerning the Convergence Spaces and Groups 219
RAJAGOPALAN M. and SOUNDARARAJAN T.: Some Properties of Topological Groups . . . 231
RAMAN P. K.: Some Equivalent Formulation of Ulam's Problem 235
RAO B. V.: On Feller Boundary 237
SHUKLA W.: Remarks on Free Objects in Categories 239
SINGAL M. K.: Some Generalizations of Paracompactness 245
SINGAL ASHA RANI: Remarks on Separation Axioms 265
SOUNDARARAJAN T.: Some Results on Locally Compact Groups 297
SOUNDARARAJAN T.: Totally Dense Subgroups of Topological Groups 299
SOUNDARARAJAN T.: Weakly Hausdorff Spaces and the Cardinality of Topological Spaces 301
STONE A. H.: Absolute Borel Sets 307
STONE A. H.: Quotient Spaces of the Irrationals 309
WHYBURN G. T.: Cohesive Spaces and Fixed Points 311
WHYBURN G. T.: Functional Movements in Dendritic Structures 319
WHYBURN L. E.: Induced Movements about Fixed Points 329