CONTENTS

Preface vii

Abd El-Monsef, M. E.; Ghanim, M. H.; Kerre, E. E.; Mashhour, A.S.: Fuzzy topological results... 1
Abel, M.: The extensions of topological spaces depending on cover and its applications..... 6
Amirdžanov, G.P.: On dense subspaces of topological spaces 9
Argyros, S.; Mercourakis, S.; Negrepontis, S.: Analytic properties of Corson-compact spaces 12
Arhangel'skii, A.V.: On relationships between topological properties of X and $C_p(X)$..... 24
Baković, V.: On Hurewicz families of separable metric spaces 37
Balcar, B.; Simon, P.: Cardinal invariants in Boolean spaces 39
Błaszczyk, A.: A note on rigid spaces and rigid Boolean algebras 48
Borsuk, K.: Some problems on n-dimensional geometric measure 53
Butkovičová, E.: Gaps in Rudin-Frolik order 56
Čerin, Z.: Global convergences of compacta 59
Charatonik, J.J.: Several problems on universal smooth dendroids 73
Charatonik, J.J.; Miklos, S.: Images of graphs under local expansions 76
Chvalina, J.: On continuous functional parametrizations of topological general systems 79
Čoban, M.M.: Algebras and some questions of the theory of maps 86
Contessa, M.; Zanolin, F.: On some remarks about a not completable convergence ring..... 98
Császár, Á.: Complete extensions of quasi-uniform spaces 104
Császár, K.: Absolutely open spaces 114
Czuba, S.T.: Open functions and pointwise smooth dendroids 118
Daneš, J.: A covering theorem for mappings between metric spaces 122
Demaria, D.C.: On regular functions from a topological space to a graph..... 127
Dikranjan, D.: Extension of minimal ring topologies 132
Dimov, G.: On the Stone duality..... 145
Dobrowolski, T.: An extension of a theorem of Klee 147
Doitchinov, D.: Supertopologies and some classes of extensions of toplogical spaces 151
Douwen, E.K.van: Continua and $\beta X - X$ 156
Duda, E.: A sum theorem for semispan of continua 162
Engelking, R.; Pol, E.: Countable-dimensional spaces: a survey 166
Fedorčuk, V.V.: Absolute retracts and some functors 174
Flachsmeyer, J.: On the convergence of motions 183
Frič, R.; Kent, D.C.: A nice completion need not be strict..... 189
Frič, R.; Koutník, V.: Sequential convergence since Kanpur conference..... 193
Frolík, Z.; Hušek, M.; Pelant, J.; Rödl, V.; Vilímovský, J.: Uniform spaces (selected topics) 206
Gähler, S.: Topological problems in optimization theory 215
Gähler, W.: A topological approach to general structure theory 223
Giuli, E.; Strecker, G.E.; Tozzi, A.: On E-dense hulls and shape theory..... 233
Grimeisen, G.: Remarks on the continuity of incidence relations in topological planes 239
Guido, C.: A characterization of simple extensions of topologies..... 246
Hajnal, A.; Szentmiklóssy, Z.: On the cardinality of quasi hereditarily Lindelöf spaces 248
Hansell, R.W.: Point-countable Souslin-additive families and σ-discrete reduction 254
Hejcman, J.: Metrization lemmas and equivalence of Lipschitz structures 261
Heller, G.: On a local version of pseudocompactness 265
Henriksen, M.; Smith, F.A.: Sums of z-ideals and semiprime ideals 272
Herrlich, H.: Categorical topology 1971 – 1981..... 279
Hohti, A.: A theorem on uniform paracompactness 384
Hušek, M.: Omitting cardinal functions by topological spaces 387
Hušek, M.; Reichel, H.-C.: On linearly uniformizable spaces..... 395
Ivanšić, I.: A note on Borsuk's index e(X)..... 401
Juhász, I.: Quasi herditary Lindelöfness and the S space problem..... 405

Junnila, H.J.K.: On stratifiable spaces and M_0-spaces 412
Kamiński, A.: Remarks on multivalued convergences 418
Katětov, M.: On a dimension function based on Bolzano's ideas 423
Katrnoška, F.: M-base and the representation of orthocomplemented posets 434
Kolomý, J.: Duality mapping and geometry of Banach spaces 435
Kratochvíl, P.: Sequential convergence as a partial operation 442
Krupski, P.: A characterization of solenoids – an application of the property of Kelley 448
Levi, S.: On Baire cosmic spaces 450
Levy, R.; Rice, M.D.: The approximation and extension of uniformly continuous mappings 455
Lowen, R.: Hyperspaces of fuzzy sets 462
Lowen-Colebunders, E.: On two uniformization problems for Cauchy spaces 472
Makai, E.jun.: The full embeddings of the category of proximity spaces into itself 474
Martín-Peinador, E.: Irreducible maps and ultraspaces 475
Melton, A.: Hereditary factorization structures on *Top* and T_0 477
Mill, J.van: Types of weak P-points in $\beta\omega-\omega$ 481
Miškin, V.: Upper and lower semi-continuous set-valued maps into σ-spaces 486
Mršević, M.: On non-symmetric proximity spaces 488
Musielak, J.: On filtered families of operators in two-modular spaces 490
Nagata, J.: Topics in dimension theory 497
Nepomnjaščiĭ, G.: A spectral characterization of absolute multivalued retracts 507
Neubrunn, T.: multifunctions and quasicontinuity 511
Nyikos, P.: Set-theoretic topology of manifolds 513
Okuyama, A.: Some relationships between function spaces and hyperspaces by compact sets 527
Olejček, V.: An example of a recurrent function on a compact totally disconnected space 536
Pap, E.: Contributions to functional analysis on convergence spaces 538
Pietsch, A.: The index-trace formula for Fredholm operators 544
Pol, R.: On analytic-measurable collections of coutable-dimensional and weakly infinite-dimensional compacta 548
Polkowski, L.T.: Open and closed mappings and infinite dimension 561
Preiss, D.: Dimension of metrics and differentiation of measures 565
Riečan, B.: On regular measures in ordered spaces 569
Schröder, J.: Factorizations in general categories (submonotone quotient, superlight) 572
Szymański, A.; Zhou Hao-xua: The behaviour of ω^{2^*} under some consequences of Martin's axiom 577
Telgársky, R.: On a game of Choquet 585
Tholen, W.: Completions of categories and shape theory 593
Tironi, G.: Some remarks on radial and pseudo-radial spaces 608
Topsøe, F.: Topological games and Čech completeness 613
Trnková, V.: Representations of commutative semigroups by products of topological spaces 631
Ungar, Š.: A remark on shape paths and homotopy pro-groups 642
Vel, M.van de: Convex structures and dimension 648
Vlach, M.: On nonenlarging closures in affine spaces 653
Vojtáš, P.: A transfinite Boolean game and a generalization of Kripke's embedding theorem 657
Vries, J.de: Glicksberg's theorem for G-spaces 663
Waszak, A.: On convergence in some two-modular spaces 674
Wattel, E.: Partitions of R^n into n+1 homogeneous zero dimensional homeomorphic measurable parts 683
West, T.T.: Decomposition of Fredholm operators 689
Wilhelm, M.: Nearly lower semicontinuity and its applications 692
Williams, S.W.: Co-absolutes of Cech-Stone remainders and orderable spaces 699
Zaharov, V.: Topological and algebraical aspects of some sets of measurable functions 706

List of participants 715

List of communications 719