

## 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-Frolík 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 semispans 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 $\sigma$ -discrete reduction . . . . .	254
Hejeman, 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 hereditary 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 $\beta\omega\cdot\omega$ . . . . .	481
Miškin, V.: Upper and lower semi-continuous set-valued maps into $\sigma$ -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
Nepomnjaščij, 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 $\omega^{2^*}$ 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 Čech-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