

Lev Bukovský, Thomas Jech, † Petr Simon
The life and work of Bohuslav Balcar
(1943–2017)

Comment.Math.Univ.Carolin. 59,4 (2018) 415–421.

Abstract: cokoliv

Keywords: cokoliv

AMS Subject Classification: cokoliv

REFERENCES

- [1] Balcar B., Jech T., *Models of the theory of sets generated by a perfect relation*, Časopis Pěst. Mat. **90** (1965), 413–434 (Russian. Czech, German summary).
- [2] Balcar B., Slavíček S., *Computer minimization of incompletely specified logical functions*, Apl. Mat. **11** (1966), no. 4, 278–282 (Czech).
- [3] Vopěnka P., Balcar B., *Generator classes in set theory*, Z. Math. Logik Grundlagen Math. **13** (1967), 97–98.
- [4] Vopěnka P., Balcar B., *On complete models of the set theory*, Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys. **15** (1967), 839–841.
- [5] Vopěnka P., Balcar B., Hájek P., *The notion of effective sets and a new proof of the consistency of the axiom of choice*, J. Symbolic Logic **33** (1968), no. 3, 495–496.
- [6] Balcar B., Hájek P., *Description of the hypothetical computing machine AIC for automatic processing of curves*, Československá fyziologie **18** (1969), no. 2, 151–154 (Czech).
- [7] Balcar B., Sochor A., *The general theory of semisets. Syntactic models of the set theory*, Aspects of Math. Logic, C.I.M.E., Varenna, 1968, Edizioni Cremonese, Rome, 1969, 267–285.
- [8] Balcar B., Vopěnka P., *On systems of almost disjoint sets*, Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys. **20** (1972), 421–424.
- [9] Balcar B., *A theorem on supports in the theory of semisets*, Prepared for publication by P. Hájek, Comment. Math. Univ. Carolinae **14** (1973), no. 1, 1–6.
- [10] Balcar B., Guzicki W., *A remark on powers of singular cardinals*, Set Theory and Hierarchy Theory, Proc. Second Conf., Bierutowice, 1975, Lecture Notes in Math., 537, Springer, Berlin, 1976, pages 25–28.
- [11] Balcar B., Vojtáš P., *Refining systems on Boolean algebras*, Set Theory and Hierarchy Theory, V, Proc. Third Conf., Bierutowice, 1976, Lecture Notes in Math., 619, Springer, Berlin, 1977, pages 45–48.
- [12] Balcar B., Štěpánek P., *Boolean matrices, subalgebras and automorphisms of complete Boolean algebras*, Fund. Math. **96** (1977), no. 3, 211–223.
- [13] Štěpánek P., Balcar B., *Embedding theorems for Boolean algebras and consistency results on ordinal definable sets*, J. Symbolic Logic **42** (1977), no. 1, 64–76.
- [14] Balcar B., Frankiewicz R., *To distinguish topologically the spaces m^* , II*, Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys. **26** (1978), no. 6, 521–523.
- [15] Balcar B., Hájek P., *On sequences of degrees of constructibility*, Z. Math. Logik Grundlagen Math. **24** (1978), no. 4, 291–296.
- [16] Balcar B., Frankiewicz R., *Ultrafilters and ω_1 -points in $\beta\mathbf{N} \setminus \mathbf{N}$* , Bull. Acad. Polon. Sci. Sér. Sci. Math. **27** (1979), no. 7–8, 593–598.
- [17] Balcar B., Frankiewicz R., Mills Ch., *More on nowhere dense closed P -sets*, Bull. Acad. Polon. Sci. Sér. Sci. Math. **28** (1980), no. 5–6, 295–299.
- [18] Balcar B., Pelant J., Simon P., *The space of ultrafilters on \mathbf{N} covered by nowhere dense sets*, Fund. Math. **110** (1980), no. 1, 11–24.
- [19] Balcar B., Simon P., Vojtáš P., *Refinement and properties and extending of filters*, Bull. Acad. Polon. Sci. Sér. Sci. Math. **28** (1980), no. 11–12, 530–540.
- [20] Balcar B., Vojtáš P., *Almost disjoint refinement of families of subsets of \mathbf{N}* , Proc. Amer. Math. Soc. **79** (1980), no. 3, 465–470.
- [21] Balcar B., Simon P., Vojtáš P., *Refinement properties and extensions of filters in Boolean algebras*, Trans. Amer. Math. Soc. **267** (1981), no. 1, 265–283.

- [22] Balcar B., Franěk F., *Independent families in complete Boolean algebras*, Trans. Amer. Math. Soc. **274** (1982), no. 2, 607–618.
- [23] Balcar B., Simon P., *Strong decomposability of ultrafilters I*, Logic Colloq. '80, Praha, 1980, Stud. Logic Foundations Math., 108, North-Holland, Amsterdam, 1982, pages 1–10.
- [24] Balcar B., Simon P., *Cardinal invariants in Boolean spaces*, General Topology and Its Relations to Modern Analysis and Algebra, V, Praha, 1981, Sigma Ser. Pure Math., 3, Heldermann, Berlin, 1983, pages 39–47.
- [25] Balcar B., Dočkálková J., Simon P., *Almost disjoint families of countable sets*, Finite and Infinite Sets, Vol. I, II, Eger, 1981, Colloq. Math. Soc. János Bolyai, North-Holland, Amsterdam, 1984, pages 59–88.
- [26] Balcar B., Štěpánek P., *Set Theory*, Academia [Publishing House of the Czech Academy of Sciences], Praha, 1986 (Czech).
- [27] Balcar B., Franek F., *Completion of factor algebras of ideals*, Proc. Amer. Math. Soc. **100** (1987), no. 2, 205–212.
- [28] Balcar B., Kalášek P., Williams S. W., *On the multiple Birkhoff recurrence theorem in dynamics*, Comment. Math. Univ. Carolin. **28** (1987), no. 4, 607–612.
- [29] Balcar B., Simon P., *On collections of almost disjoint families*, Comment. Math. Univ. Carolin. **29** (1988), no. 4, 631–646.
- [30] Balcar B., Kalášek P., *Nonexistence of multiple recurrent point in the ultrafilter dynamical system*, Bull. Polish Acad. Sci. Math. **37** (1989), no. 7–12, 525–529.
- [31] Balcar B., Simon P., *Appendix on general topology*, Handbook of Boolean Algebras, Vol. 3, North-Holland, Amsterdam, 1989, pages 1239–1267.
- [32] Balcar B., Simon P., *Chart of topological duality*, Handbook of Boolean algebras, Vol. 3, North-Holland, Amsterdam, 1989, pages 1236–1237.
- [33] Balcar B., Simon P., *Disjoint refinement*, Handbook of Boolean Algebras, Vol. 2, North-Holland, Amsterdam, 1989, pages 333–388.
- [34] Balcar B., Błaszczyk A., *On minimal dynamical systems on Boolean algebras*, Comment. Math. Univ. Carolin. **31** (1990), no. 1, 7–11.
- [35] Balcar B., Dow A., *Dynamical systems on compact extremally disconnected spaces*, Topology Appl. **41** (1991), no. 1–2, 41–56.
- [36] Balcar B., Simon P., *On minimal π -character of points in extremally disconnected compact spaces*, Topology Appl. **41** (1991), no. 1–2, 133–145.
- [37] Balcar B., Simon P., *Reaping number and π -character of Boolean algebras*, Topological, Algebraical and Combinatorial Structures, Frolík's memorial volume, Discrete Math. **108** (1992), no. 1–3, 5–12.
- [38] Balcar B., Simon P., *Baire number of the spaces of uniform ultrafilters*, Israel J. Math. **92** (1995), no. 1–3, 263–272.
- [39] Balcar B., Franek F., *Structural properties of universal minimal dynamical systems for discrete semigroups*, Trans. Amer. Math. Soc. **349** (1997), no. 5, 1697–1724.
- [40] Balcar B., Jech T., Zapletal J., *Semi-Cohen Boolean algebras*, Ann. Pure Appl. Logic **87** (1997), no. 3, 187–208.
- [41] Balcar B., Głowczyński W., Jech T., *The sequential topology on complete Boolean algebras*, Fund. Math. **155** (1998), no. 1, 59–78.
- [42] Balcar B., Franek F., Hruška J., *Exhaustive zero-convergence structures on Boolean algebras*, Acta Univ. Carolin. Math. Phys. **40** (1999), no. 2, 27–41.
- [43] Balcar B., Hušek M., *Sequential continuity and submeasurable cardinals*, Proc. of the International School of Mathematics “G. Stampacchia”, Erice, 1998, Topology Appl. **111** (2001), no. 1–2, pages 49–58.
- [44] Balcar B., Simon P., *The name for Kojman–Shelah collapsing function*, Dedicated to Petr Vopěnka, Ann. Pure Appl. Logic **109** (2001), no. 1–2, 131–137.
- [45] Balcar B., Coplákova E., *Zero-dimensional spaces*, Encyclopedia of General Topology, (Hart K. P., Nagata J., Vaughan J. E., eds.) Elsevier Science Publishers, Amsterdam, 2004, pages 323–325.
- [46] Balcar B., Hernández-Hernández F., Hrušák M., *Combinatorics of dense subsets of the rationals*, Fund. Math. **183** (2004), no. 1, 59–80.
- [47] Balcar B., Hrušák M., *Distributivity of the algebra of regular open subsets of $\beta\mathbb{R} \setminus \mathbb{R}$* , Topology Appl. **149** (2005), no. 1–3, 1–7.

- [48] Balcar B., Jech T., Pazák T., *Complete CCC Boolean algebras, the order sequential topology, and a problem of von Neumann*, Bull. London Math. Soc. **37** (2005), no. 6, 885–898.
- [49] Balcar B., Jech T., *Weak distributivity, a problem of von Neumann and the mystery of measurability*, Bull. Symbolic Logic **12** (2006), no. 2, 241–266.
- [50] Balcar B., Jech T., *Contributions to the theory of weakly distributive complete Boolean algebras*, Andrzej Mostowski and Foundational Studies, IOS, Amsterdam, 2008, 144–150.
- [51] Balcar B., Pazák T., *Quotients of Boolean algebras and regular subalgebras*, Arch. Math. Logic **49** (2010), no. 3, 329–342.
- [52] Balcar B., Doucha M., Hrušák M., *Base tree property*, Order **32** (2015), no. 1, 69–81.
- [53] Balcar B., Pazák T., Thümmel E., *On Todorčević orderings*, Fund. Math. **228** (2015), no. 2, 173–192.