

DOITCHIN DOITCHINOV

List of publications

- [1] Върху една формула за обръщане (On a conversion formula). *Годишник на Софийски Университет (Ann. Univ. Sofia)* **50** (1958), 37-42.
- [2] Изследване на една класа обобщени функции [съвместно с Я. Тагамлицки] (Investigation of a class of generalized functions [jointly with J. Tagamlitzki]). *Годишник на Софийски Университет (Ann. Univ. Sofia)* **52** (1959), 23-95.
- [3] О вложении равномерных пространств в гильбертово и евклидовы пространства (On embeddings of uniform spaces in Hilbert and Euclidean spaces). *Доклады АН СССР (Dokl. Acad. Nauk SSSR)* **135** (1960), 1314-1317.
- [4] Необходимые и достаточные условия для равномерного вложения пространств в евклидово пространство (Necessary and sufficient conditions for the uniform embedding of spaces in an Euclidean space). *Доклады АН СССР (Dokl. Acad. Nauk SSSR)* **138** (1961), 1276-1279.
- [5] О равномерном вложении пространств в евклидовы и гилбертово пространства (On a uniform embedding of spaces in Euclidean and Hilbert spaces). *Годишник на Софийски Университет (Ann. Univ. Sofia)* **55** (1962), 41-75
- [6] К вопросу о равномерном вложении в гильбертово пространство (On the question of uniform embedding into a Hilbert space). *Доклади БАН (C. R. Acad. Bulgare Sci.)* **15** (1962), 115-118.
- [7] Об одном методе введения понятия близости (On a method of introduction of the notion of proximity). *Доклади БАН (C. R. Acad. Bulgare Sci.)* **17** (1964), 349-351.
- [8] Об единой теории топологических пространств, пространств близости и равномерных пространств (On the unified theory of topological spaces, proximity spaces and uniform spaces). *Доклады АН СССР (Dokl. Acad. Nauk SSSR)* **156** (1964), 21-24.
- [9] Понятието равномерна непрекъснатост и неговото историческо развитие [въстъпителна лекция] (The notion of uniform continuity and its historical development [step in lecture]). *Годишник на Софийски Университет (Ann. Univ. Sofia)* **60** (1967), 55-72.
- [10] Обобщени топологически пространства [съвместно със Ст. Петкова] (Generalized topological spaces [jointly with S. Petkova]). *Годишник на Софийски Университет (Ann. Univ. Sofia)* **60** (1967), 183-210.

- [11] Une généralisation des espaces topologiques et des espaces uniform. *Séminaire Choquet*, 5-e année (1965–1966), Comm. No. 8, 1-4.
- [12] A generalization of topological spaces, contributions to extension theory of topological structures. In: Proc. of the Symposium, (eds. J. Flachsmeier, H. Poppe, F. Terpe), Berlin 1969, 59-70.
- [13] A Generalization of Tychonoff's theorem on compactness. *Topology and its Applications*, Proceedings of the International Symposium, Herceg-Novi, Yugoslavia, 1968, 130.
- [14] Un théoreme sur les espaces minimaux. *Bull. Sci. Mathém.* **93** (1969), 33-36.
- [15] Produits de groupes topologiques minimaux. *Bull. Sci. Mathém.* **96** (1972), 59-74.
- [16] Minimal topological groups. *Colloquia Mathematica Soc. J. Bolyai 8. Topics in Topology*, Keszthely (Hungary), 1972, 213-214.
- [17] К вопросу о внутреннем определении вполне регулярных пространств (On the question of intrinsic definition of completely regular spaces). *Доклады БАН (C. R. Acad. Bulgare Sci.)* **27** (1974), 589-590.
- [18] О равномерном шейпе метрических пространств (On the uniform shape of metric spaces). *Доклады АН СССР (Dokl. Acad. Nauk SSSR)* **226** (1976), 257-260.
- [19] On the notion of shape for arbitrary spaces. *C. R. Acad. Bulg. Sci.* **29** (1976), 777-778.
- [20] The notion of K -shape. *General Topology and its Relations to Modern Analysis and Algebra IV*, Proceedings Forth Prague Top. Symp., (ed. J. Novak), Prague, 1977, 95-98.
- [21] The uniform shape. *Bull. Acad. Polon. Sci.* **25** (1977), 977-980.
- [22] Uniform shape and uniform Čech homology and cohomology groups for metric spaces. *Fund. Math.* **102** (1979), 209-218.
- [23] Supertopological spaces and locally compact extensions of topological spaces (in collaboration with G. Dimov). *Mitteilungen der Math. Gesellschaft der DDR 4* (1980), 41-44.
- [24] Регулярные расширения топологических пространств (Regular extensions of topological spaces). *Успехи матем. наук (Uspekhi Mat. Nauk)* **35** (1980), 178-179.
- [25] О регулярных расширениях топологических пространств [совместно с Г. Димов] (On regular extensions of topological spaces [jointly with G. Dimov]). *Сердика (Serdica)* **8** (1982), 280-295.

- [26] Супертопологические пространства и расширения топологических пространств (Supertopological spaces and extensions of topological spaces). *Плиска (Pliska)* **6** (1982), 105-120.
- [27] Supertopologies and some classes of extensions of topological spaces. General Topology and its Relations to Modern Analysis and Algebra V, Proceedings Fifth Prague Topol. Symp. (ed. J. Novak), Berlin 1982, 151-155.
- [28] Supertopological spaces and a special class of extensions of topological spaces. Lecture Notes in Math., vol. **1060** (eds. L. D. Faddeev and A. A. Mal'cev), Springer-Verlag, 1984, 17-25.
- [29] Compactly determined extensions of topological spaces. *Serdica* **11** (1985), 269-286.
- [30] Completeness and completions of quasi-metric spaces. *Suppl. ai Rendiconti del Circolo Matematico di Palermo*, Serie II, **18** (1988), 41-50.
- [31] On completeness in quasi-metric spaces. *Topology Appl.* **30** (1988), 127-148.
- [32] On completeness of quasi-uniform spaces. *C. R. Acad. Bulg. Sci.* **41**, 7 (1988), 5-8.
- [33] A concept of completeness of quasi-uniform spaces. *Topology Appl.* **38** (1991).
- [34] Another class of completable quasi-uniform spaces. *C. R. Acad. Bulg. Sci.* **44**, 3 (1991).
- [35] Uniformly continuous multi-valued mappings. Vol. "The Mathematical Heritage of C.F. Gauss Singapore 1991.

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- [1] Аксиомата за успоредните прави и хипотезата за континуума (The parallel lines axiom and continuum hypothesis). *Физико-математическо списание (Fiz.-Mat. Spis.)* **29**, 4 (1987), 257-264.

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- [1] Математически анализ (Mathematical Analysis). "Наука и изкуство" ("Science and Art"), I изд. 1970, II изд. 1975, III изд. 1983, IV изд. 1990 (I edition 1970, II edition 1975, III edition 1983, IV edition 1990).
- [2] Математически анализ в крайномерни пространства (Mathematical Analysis in Finite Dimensional Spaces). "Наука и изкуство" ("Science and Art"), I изд. 1979, II изд. 1991 (I edition 1979, II edition 1991).