List of publications

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1 Research papers


2. On mappings increasing the dimension, Mat.Zametki, 7, 6(1970), 697–705, (in russian); MR 42 M 1115.

3. On mappings increasing the dimension and resolvents of closed maps, PhD Dissertation, Moscow State University, 1970,(in russian).


89. Two applications of the splitting method: the 3D tiling of the rectangular dodecahedron and cellular automata on infinigrids of $\mathbb{H}^2$, Bolyai’2002, Janos Bolyai Conference on Hyperbolic geometry, Budapest, 2002(with M. Margenstern and S. Grigorieff).


91. Tools for devising cellular automata in the hyperbolic 3D space, Publication du LITA, N 2002-101, Universite de Metz, pp. 52 (with M. Margenstern)

92. Tools for devising cellular automata in the hyperbolic 3D space, Fundamenta Informaticae, 58 (2003), 369-398(with M. Margenstern)

93. The tiling $\{p, q\}$ of the hyperbolic plane are combinatoric, SCI’2003, Orlando, USA (with M. Margenstern)


96. Integer-valued fixed point index for acyclic maps on ANR’s, C. R. Bulgarian Academy of Sci., 57, Nr.12(2004), 5-8, (with E. G. Sklyarenko).

97. The tiling \{p, q\} of the hyperbolic plane are combinatoric, WTCA, 2004 (with K. Chelghoum, M. Margenstern, B. Martin, I. Pecci).


103. Substitutions generating the fractal matrices of the \(p\)-adic valuation of the binomial and Legendre-polynomial coefficients, Fractals (to appear), (wit A. Barbe).

2 Textbooks, scientific-popular books and papers


3 Translations

1. B. V. Gnedenko, ”Formirane na mirogled u uchenicite pri obuchenieto po matematika”, Narodna Prosveta, Sofia, 1986 (from Russian) (with I. Stoyanova).