

VLADIMIR MIKHAILOVICH KADETS

To 60th anniversary

Vladimir Kadets (Володимир Михайлович Кадець), a Professor of the Department of Pure Mathematics in V. N. Karazin Kharkiv National University, a well-known expert on Banach space theory and a brilliant lecturer, turned 60 on November 15, 2020.



Vladimir was born on November 15, 1960 in Kharkiv. His mother, Diamara Lazarevna, was a researcher at the Institute for Medical Radiology; father, Mikhail Iosifovich, was a mathematician, famous for his outstanding results in Banach space theory, which surely influenced Vladimir's choice of career.

After graduating of V. N. Karazin Kharkiv University in 1982 Vladimir became a PhD student of Naum Samoilovich Landkof in Rostov Civil Engineering Institute. Shortly after defending in 1985 his PhD Thesis, Vladimir obtained an elegant result by constructing a conditionally convergent series with non-convex set of sums in any infinite dimensional Banach space, and hereby obtained a complete solution for Problem 106 from the "Scottish Book". Since then, during some years, rearrangements of series in Banach spaces were one of the favorite topics for Vladimir. The first monograph by V. M. Kadets co-authored with his father was devoted to this topic.

Vladimir traveled a lot collaborating with mathematicians from other countries: Poland, Israel, USA, Italy, Germany, France, Spain, Turkey, South Korea. As a result, the majority of his papers were co-authored with colleagues from the institutions visited by Vladimir. At the end of 20th century V. M. Kadets became interested in the Daugavet equation in Banach spaces. One of the most important papers by Vladimir was published in 2000, co-authored with Roman Shvidkoy, Gleb Sirotkin and Dirk Werner. This paper had radically changed the approach of specialists to investigation of the Daugavet property. Soon afterwards Vladimir started a fruitful long-term cooperation with Spanish mathematicians (Bernardo

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Cascales, Miguel Martín, Javier Merí and others). Among others, Vladimir jointly with Maria Acosta (Spain) proved a Namioka's hypothesis asserting that, every nonreflexive Banach space admits an equivalent norm with respect to which the set of all norm attaining functionals has empty interior. The second monograph by V. M. Kadets "Spear operators between Banach spaces" co-authored with Spanish colleagues was published in 2018.

Vladimir always enjoyed teaching activities. Since his student years, he liked explaining mathematics to other people. When he became a teacher, this interest was transformed into the exceptional clarity and rigor of his lectures. These qualities attracted students to him, and many of Kharkiv's students in mathematics made their first steps in research under the supervision of V. M. Kadets. He was an advisor of 8 PhD students. The situation in Ukraine in the late 20th century contributed to the fact that some of his students finished their PhD programs in other countries (e.g. D. Bilik, R. Vershynin, R. Shvidkoy).

From 1990 till nowadays V. M. Kadets works in V.N.Karazin Kharkiv National University. In 1992 he passed habilitation in Warsaw "Conditional convergence in infinite-dimensional spaces", and in 2014 – another habilitation in Kharkiv "Banach spaces with the Daugavet property and Banach spaces with numerical index one". During his scientific and pedagogical career Vladimir has got a Kharkiv mathematical society Prize for young researchers (1989), Soros' grants (1995, 1996), Humboldt Research Fellowship (Germany, 1999), State Award of Ukraine in Science and Technology (2005), Séneca Foundation Grant (Spain, 2010), and currently leads a group of mathematicians of his Department which was awarded a grant of the National research foundation of Ukraine.

We congratulate Vladimir with the jubilee, wish him health, creative inspiration for many years and success in his scientific and pedagogical activities.

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