



14.04.1955 – 10.05.2016

On May 10, 2016, Rustem Rashitovich Gadyl'shin, a talented scientist and a teacher, a mathematician known both in Russia and abroad, a member of the Editorial board of Ufa Mathematical Journal passed away. He was born April 14, 1955 in Ufa, From 1972 till 1977 he studied at the Mathematical Faculty in Bashkir State University. One of the teachers of Rustem Rashitovich was an outstanding scientists and an organizer of science Academician Arlen Mikhailovich Il'in, a founder of Ufa scientific school in differential equations who influenced the choice of the specialization of Rustem Rashitovich. Later, exactly under the supervision of Arlen Mikhailovich, Rustem Rashitovich grew and established himself as a high-quality specialist of an international level, an active scientist, who developed an independent direction of the scientific school of A.M. Il'in. During whole his career, being already a known scientist, Rustem Rashitovich always regarded his teacher Arlen Mikhailovich with reverence and a sincere son love.

From 1977 till 1983 Rustem Rashitovich worked as scientific trainee and then an engineer in the sector of differential equations in the Department of physics and mathematics in of Bashkir Branch of Academy of Sciences of USSR. In the period from 1983 till 1986 he graduated in the post-graduated courses of BB AS USSR. From 1987 till 1997 he worked in the department of differential equations of Institute of Mathematics with Computer Center of Ufa Scientific Center of Russian Academy of Sciences, where he made a career from a junior to the leading scientific researcher. The field of this scientific interests was to study and construct the asymptotics for the eigenelements of singularly perturbed boundary value problems. In 1988, Rustem Rashitovich defended the candidate dissertation (PhD thesis). The doctoral dissertation (Habilitation) defended in the Saint-Petersburg branch of Steklov mathematical institute of Russian Academy Science was devoted to the study of boundary value problems in domains like Helmholtz resonator. The scattering problem for the Helmholtz resonator is one of the oldest problems and its study goes back to Rayleigh. Rustem Rashitovich was first who succeeded to justify rigorously the existence of poles of the resonators and construct their rigorous asymptotic expansion. His work was appreciated as the best thesis of 1994 in the field of mathematics in Russian Academy of Sciences.

In 1977 Rustem Rashitovich moved to Bashkir State Pedagogical Institute, where he headed the chair of algebra and geometry.

Since 2003 Rustem Rashitovich headed the chair of mathematical analysis transformed to the chair of mathematics and statistics. The moving from an academic institute to an university, where he had to combine scientific work with a pedagogic and public activity, made no influence on its efficiency as a scientist. The main aim of his work in BSPU was the creation of his own scientific school on the basis of the chair. At

that Rustem Rashitovich had an ambitious aim to train scientists from the graduates of the faculty of physics and mathematics of BSPU. We note first of all that because of specific features of the university, the students had no such mathematical education like the graduates of the mathematical faculties of classical universities needed for the scientific work.

To achieve this aim, first of all Rustem Rashitovich managed the introducing of classical mathematical and modern special courses into the education program that ensured a qualitative mathematical education and wide mathematical training for the students. At that Rustem Rashitovich paid a lot of attention to providing a high professional level of teaching mathematical courses inviting high-qualified teachers in mathematics from other universities of Ufa. Simultaneously in a short period, putting much efforts and energy, he prepared 5 candidates of science, four of them being the graduates of BSPU. This is likely to be the main achievement by Rustem Rashitovich as an organizer and supervisor. Moreover, Rustem Rashitovich succeeded not only to strengthen the teaching staff of the chair but also to ensure an essential rejuvenation of its since at the moment of his coming to BSPU, the average age was 55 years. During the working period of R.R. Gadyl'shin, his chair was a permanent leader in scientific ratings of the university: it has a large amount of publications in leading peer-reviewed journals, yearly became the owner of the grants from federal and republic scientific foundations. The pupils of Rustem Rashitovich awarded the prizes of prestigious Russian and international competitions, were fellows of various state and public scientific programs.

R.R. Gadyl'shin is a Honoured Science Worker of the Republic of Bashkortostan, a Honoured Higher Education Worker of Russian Federation, an author of more than 100 scientific works published in leading peer-reviewed Russian and international journals. From 1999, he permanently headed initiative projects of Russian Foundation for Basic Researches. His high workability, adherence to principles, honesty and devotion to science gain a huge respect of numerous colleagues and friends.

A blessed memory of Rustem Rashitovich will be forever in the hearts of all who knew him.

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