VADYM MOVSESOVICH ADAMYAN (TO 75th BIRTHDAY ANNIVERSARY)



Vadym Movsesovich Adamyan, an outstanding Ukrainian mathematician and physicist, a member of Editorial Board of our journal, was born in Odessa on December 2, 1938. In 1956–1961 Vadym Movsesovich Adamyan studied at the Odessa I.I. Mechnikov State University. In 1961 he graduated from the Department of Theoretical Physics. The supervisor of his degree work was Yu.A. Tsvirko. In 1961–1964 he was a PhD student in the Odessa Construction Engineering Institute, under the supervision by a great mathematician, Mark Grigorievich Krein. In 1964–1966 he worked as a senior research fellow at the Odessa Lomonosov Technological Institute.

On 20 June 1966, V.M. Adamyan defended his PhD thesis "On Some Principles of Unitary Couplings of Semiunitary Operators Theory and its Applications in Scattering Theory" in the functional analysis and the theory of functions specialization at the Institute of Mathematics and Mechanics, Yerevan University. Until 1967 he taught at the Department of Mathematics at the Odessa Construction Engineering Institute. In 1967 he returned to his alma mater, and in the period from 1967 to 1975 headed a laboratory at the Institute of Physics of Odessa State University. In 1975 he took up a position of associate professor, and then, in 1977, became a full professor.

On October 17, 1974 Vadym Adamyan defended his Doctor of Science thesis "Unitary Couplings of Semiunitary Operators" in the functional analysis and theory of functions at the Academy of Sciences of the Institute of Mathematics in Kyiv. From 1979, Professor

Adamyan is the head of the Department of Theoretical Physics at Odessa State University. With a broad scientific outlook, Vadym Movsesovich Adamyan not only supported the traditional themes of the department, but also stimulated the development of new areas, such as plasma physics, solid state physics and recently physics of nanostructures.

However the scientific results, which brought to him an international recognition, were obtained in pure mathematics and mathematical physics. The first series of important results was obtained jointly with D. Arov (operator methods in scattering theory) and with D. Arov and M. Krein (operator methods in moment and interpolation problems). These results include an operator-theoretic extension of the Lax-Phillips scattering scheme, general solutions for some problems of linear interpolation and filtration of stationary stochastic processes, deep results on the classical Nehari, Caratheodory-Fejer, Schur, and Nevanlinna-Pick problems.

Subsequently, V.M. Adamyan collaborated with many mathematicians and physicists from various countries. Restricting our attention to mathematics, we would like to mention his joint work with the German mathematician Heinz Langer, another outstanding pupil of M.G. Krein (spectral theory of block operator matrices, operator pencils, perturbation determinants), with B.S. Pavlov (perturbation and scattering theory, mathematical models of quantum information and complexity, mathematical economics), with H. Neidhardt (spectral theory of nonselfadjoint operators), and many others. His scientific interests are very wide covering a rich variety of subjects.

Throughout his long scientific activity Professor Adamyan worked in universities in Australia, New Zealand, Germany and Spain and received several honorary degrees and awards including the Soros Professorship and Mark Krein award of the National Academy of Sciences of Ukraine. Vadym Adamyan is a member of American Mathematical Society, the Gesellschaft für Angewandte Mathematik und Mechanik, and the Ukrainian Physical Society.

Colleagues of V.M. Adamyan from Ukraine and other countries are pleased to greet him on the occasion of his jubilee and to wish him good health and long years of creative work in science.

Editorial Board