Dear Victor Pavlovich!

Editorial board and editorial staff

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The Editorial Board and staff of the Russian Journal of Mathematical Physics congratulate you, an outstanding Russian scientist and teacher, on your ninetieth birthday.

Your famous works have transformed many areas of theoretical mathematics, quantum mechanics, wave theory, statistical physics, field theory, differential equations, functional analysis, and geometry, gained world-wide fame, and led to the emergence of new directions of scientific research both in our country and abroad.

You are the author of many important concepts, such as Lagrangian manifolds and nonstandard characteristics, which, together with terms explicitly bearing your name, including the Maslov index and the Maslov method, have become an integral part of modern science and paved their way as headings in the Mathematics Subject Classification.

The asymptotic and operator methods developed by you are closely related to many concepts of statistical physics and quantum field theory, including the theories of superfluidity and superconductivity, the method for quantization of solitons, quantum field theory in strong external fields and curved space-time, and the method of decomposition in the reciprocal number of particle types.

In mathematical physics, you own the definition of canonical operator, which entered world science as the “Maslov canonical operator” and is a powerful tool for studying quantum wave states, wave propagation of various nature, and behavior of wave fields in the vicinity of caustics.

You have discovered remarkable properties of complex rays and semiclassical asymptotics with complex phases; for their description, a new geometric object was introduced, “Maslov’s complex germ.”

In symplectic topology, you discovered the famous invariant, the “Maslov index,” which has a broad variety of applications.

In control theory, you have created a new method, which you refer to as “idempotent analysis,” and acquired quite a few followers.

Your research in the field of the relationship between thermodynamics and analytical number theory plays a significant role.

Along with works on mathematics and mathematical physics, you own original ideas and works on economics and environmental safety. Your work on modeling the consequences of the Chernobyl disaster is of great practical importance.

You pay much attention to the education of scientific youth. Under your guidance, one of the leading mathematical schools in Russia was created. You have brought up a number of talented scientists, candidates and doctors of science.

You are actively involved in scientific and organizational work, being the chief editor of the journals “Mathematical Notes” and “Russian Journal of Mathematical Physics”; you are a member of the editorial boards of several international journals.

Your scientific and pedagogical activity has brought you well-deserved recognition: you are a winner of the Lenin Prize, State Prizes of the USSR and the Russian Federation, Demidov Prize, and Triumph Prize. You were awarded an A. M. Lyapunov gold medal and other honorary awards and prizes.

We wish you, dear Viktor Pavlovich, further success in your creative activity, many years of life, and good health and happiness to you and your loved ones.