Congratulatory Address from the Steklov Institute to Oleg Vladimirovich Besov on the Occasion of His 80th Birthday

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Dear Oleg Vladimirovich!

The staff of the Steklov Mathematical Institute, Russian Academy of Sciences, whole-heartedly greets and congratulates you, an outstanding scientist, on the occasion of your 80th birthday!

As early as your candidate's dissertation, you defined new spaces of differentiable functions of several variables. Later, these spaces were called Besov spaces.

Besov spaces have significantly affected the further development of the theory of differentiable functions of many variables. In particular, in terms of these spaces, you gave a complete characterization of the traces of functions in Sobolev spaces.

Besov spaces have found wide and important applications in the theory of differential equations and other fields of mathematics. The theory of these spaces is being successfully developed by you, your disciples, and your numerous followers from various countries.

The development of Besov spaces is one of the most significant achievements in mathematical analysis over the last half-century.

We also highly value the deep results obtained by you on cubature formulas, on integral representations of differentiable functions, on the embedding, extension, and interpolation of function spaces, and on function spaces defined on regular and irregular domains.

In 1990, you were elected a Corresponding Member of the USSR Academy of Sciences, and in 2002, an Academician of the European Academy of Sciences.

In 1977 you, together with your scientific advisor S.M. Nikol'skii and V.P. Il'in, were awarded the State Prize of the USSR for the monograph *Integral Representations of Functions and Imbedding Theorems*. This monograph went through two editions in Russian and two editions in English.

For almost 20 years, starting from 1994, you have successfully headed the Department of Function Theory at the Steklov Institute.

For more than half a century, you have been teaching at the Moscow Institute of Physics and Technology (MIPT). You have been involving your students in active research in mathematics. You are a Distinguished Professor of the MIPT.

We are glad to note that you celebrate your 80th birthday full of vigor and energy and with extensive creative plans.

You are always delicately attentive to people, and it is pleasant and interesting to communicate with you.

We wish you, dear Oleg Vladimirovich, good health, long creative life, and further achievements!