

EDITORIAL

A SPECIAL ISSUE ON APPROXIMATION THEORY AND OPTIMIZATION, DEDICATED TO VLADIMIR TIKHOMIROV ON THE OCCASION OF HIS 90TH BIRTHDAY

This special issue on Approximation Theory and Optimization is dedicated to Vladimir Tikhomirov on the occasion of his 90th birthday.

Vladimir Tikhomirov is an outstanding Russian mathematician who has made fundamental contributions to approximation theory, extremal problems, and convex analysis. In addition to his scientific research, he is engaged in fruitful pedagogic activity, broad enlightenment work concerned with the problems of mathematical education, popularization of science, and research in the history of mathematics.

Tikhomirov was a student of Andrey Kolmogorov and graduated from the faculty of mechanics and mathematics of Moscow State university (MSU) in 1957. He defended his Ph.D. thesis "Widths of the sets in function spaces" in 1960 and started working in MSU as an assistant. In 1970 he defended his doctoral thesis "On approximation theory". Since 1975 Vladimir Tikhomirov has been a professor at MSU. In 2001 he was given status of emeritus professor of MSU. He is a member of the Moscow Mathematical Society and the Russian Academy of Natural Sciences. He is also a member of the editorial boards of the journals "Matematicheskii sbornik", "Russian Mathematical Surveys", "Problems of Information Transmission". Professor Tikhomirov is the author of around 180 scientific publications, including 15 books and has been the scientific advisor of 36 Ph.D. students.

In this special issue we present papers authored by a selected group of experts in the areas of Approximation Theory and Optimization. Most of the papers collected here have been contributed by former students, collaborators, friends and colleagues of Vladimir Tikhomirov, who were influenced by his scientific work.

The special issue contains thirteen papers contributed by researchers in Approximation Theory and Optimization from Austria, Israel, Poland, Russia, Turkey, Vietnam, and the USA. These papers cover a wide spectrum of important problems and topics of current research interest. We feel that this special issue will be highly valuable to many mathematicians, who

are interested in recent developments in Approximation Theory and Optimization, as well as in their numerous applications.

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