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*Editor-in-Chief – Dr. Tamara Rozhkovskaya*

*The 8th International School-Seminar on Nonlinear Analysis  
and Extremal Problems (June 24-28, 2024, Irkutsk).*

*Editor: Alexander Tolstonogov.*

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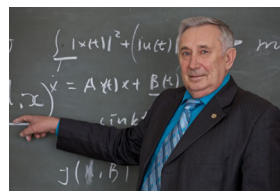
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## EDITORIAL NOTE: SCHOOL-SEMINAR ON NONLINEAR ANALYSIS AND EXTREMAL PROBLEMS IN IRKUTSK

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*Presentation of two issues of selected research papers from participants of the 8<sup>th</sup> School-Seminar on Nonlinear Analysis and Extremal Problems held in Irkutsk in 2024.*

The first School-Seminar on Nonlinear Analysis and Extremal Problems in Irkutsk took place in 2010. In a certain sense, this school-seminar revived the All-Union School on Theory of Operators in Function Spaces, successively held in the Soviet Union from 1974 to 1991. The Irkutsk school-seminar inherits the same combination of fundamental lecture courses – which form the core of the school and set its scientific program – and sectional talks (seminars). Today, this school-seminar in Irkutsk has become an international forum: 250 mathematicians from Belarus, China, India, Italy, Kazakhstan, Moldova, Mozambique, Turkey, USA, Uzbekistan, Vietnam, and 50 Russian cities participated in the 8<sup>th</sup> School-Seminar in 2024.

These two issues present the best contributions of the participants of the 8<sup>th</sup> School-Seminar on Nonlinear Analysis and Extremal Problems. Following the tradition of starting with lectures, the collection opens with a review paper by an invited lecturer: “Results and open questions on the boundary control of moving sets” by Professor Alberto Bressan (Penn State University, USA), an outstanding specialist in the theory of differential equations and control theory. Professor Bressan was also a plenary speaker at the 2002 International Congress of Mathematicians in Beijing. The subsequent research papers by the seminar participants have been selected through our rigorous peer-review process. Out of 40 submitted papers, only 22 have been accepted.



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