



North Caucasus Center for Mathematical Research
of the Vladikavkaz Scientific Center of the RAS
Southern Mathematical Institute
of the Vladikavkaz Scientific Center of the RAS



International Seminar
"Operator Theory, Differential Equations and their Applications"

Seminar Chairmen: Prof. Anatoly G. Kusraev, Prof. Marat A. Pliev
Seminar Secretary: PhD Batradz B. Tasoev

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On some extremal problems for polygons in the Euclidean plane

prof. **Yu. G. Nikonorov**

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This talk is devoted to some recent results on problems of isoperimetric type for convex polygons in the Euclidean plane. We discuss a number of results that have simple formulations, but rather intricate proofs. Related and still unsolved problems are also discussed. The main part of the talk is based on the following paper:

Yu.G. Nikonorov, O.Yu. Nikonorova, Some extremal problems for polygons in the Euclidean plane, *Aequationes Mathematicae* (2023), <https://doi.org/10.1007/s00010-023-00991-w>

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