INTERNATIONAL BIWEEKLY ONLINE SEMINAR ON ANALYSIS, DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS

Coordinators: Prof. Alexey Karapetyants, Prof. Vladislav Kravchenko

JOIN THE SEMINAR

12 December 2024, 6 pm (UTC+3)

On the Boyarsky-Meyers estimates

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In the talk one can find some results on higher integrability of gradients of solution to linear and nonlinear elliptic equations with changing type of boundary conditions (neumann and Dirichlet). Given the capacity of the part of the boundary with Dirichlet data, we prove higher integrability of solutions (the Boyarsky-Meyers estimates).

The results are the joint work with Yu. A. Alkhutov, T.P. Chechkina, and V.G. Maz'ya.

*Seminar website: https://msrn.sfedu.ru/sl. The seminar uses Microsoft Teams online platform.
Please send questions to ademp.seminar@gmail.com (Tatiana Andreeva, scientific secretary).

The seminar is organized by the coordinators Alexey Karapetyants and Vladislav Kravchenko within the activities of the Regional Mathematical Center of the Southern Federal University in collaboration with Institute of Mathematics, Mechanics and Computer Sciences of the Southern Federal University and the OTHA research group in Operator Theory and Harmonic Analysis.

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