



ЮЖНЫЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ  
Региональный математический центр  
SOUTHERN FEDERAL UNIVERSITY  
Regional Mathematical Center  
<https://rmc.sfedu.ru/>, Rostov-on-Don, Russia

International scientific online seminar on  
Analysis, Differential Equations and Mathematical Physics

Coordinators: Prof. Alexey Karapetyants, Prof. Vladislav Kravchenko

1 April 2021, 6 pm (UTC+3)

On fractional Orlicz-Sobolev spaces

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We will survey some recent results on the theory of fractional Orlicz-Sobolev spaces with a special focus on their role in Sobolev type embeddings with an optimal Orlicz target. We will also mention related Hardy type inequalities, criteria for compact embeddings, and limits of these spaces when the smoothness parameter tends to either of its natural endpoints.

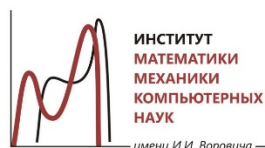
This is a joint work with Angela Alberico (Napoli), Andrea Cianchi (Firenze) and Lenka Slavíková (Praha)

\*Seminar website: <https://rmc.sfedu.ru/seminar>. The seminar uses Microsoft Teams online platform.  
To join the seminar, please send a request to [pichugina@sfedu.ru](mailto:pichugina@sfedu.ru) (Olga Pichugina, scientific secretary).

The seminar is organized by 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 special Interest ISAAC-OTHA group in Operator Theory and Harmonic Analysis.

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