



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

1st October 2020, 6 pm (UTC+3)

Some inequalities for fractional Laplacians

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We compare two types of fractional Laplacians: spectral (Navier) and restricted (Dirichlet) one, in a bounded smooth domain  $\Omega$ .

The talk is based on joint works with Roberta Musina, Italy:

<https://arxiv.org/abs/1308.3606>

<https://arxiv.org/abs/1408.3568>

<https://arxiv.org/abs/1701.04425>

\*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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