

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

Coordinators: Prof. Alexey Karapetyants, Prof. Vladislav Kravchenko

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27 November 2025, 6 pm (UTC+3)

The translation operator in spaces of Dirichlet series

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In this talk we explore different ideas and results concerning the convergence of Dirichlet series and horizontal translations. We will begin with a historical overview of the subject, starting with some ideas of Bohr from the early 20th century and some elementary examples. We will then see how horizontal translations improve both convergence and integrability properties. Then, we will present some new results obtained in collaboration with Andreas Defant, Felipe Marceca, Pablo Sevilla Peris and Ingo Schoolmann on Hardy spaces of general Dirichlet series.

*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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