



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

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Quantitative results on continuity of the spectral factorisation mapping

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It is well known that the matrix spectral factorisation mapping is continuous from the Lebesgue space L_1 to the Hardy space H_2 under the additional assumption of uniform integrability of the logarithms of the spectral densities to be factorised (S. Barclay, G. Janashia, E. Lagvilava, and L. Ephremidze).

The talk will report on a joint project with Lasha Epemidze and Ilya Spitkovsky, which aims at obtaining quantitative results characterising this continuity.

*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 (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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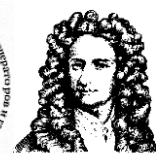
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