

Tbilisi Analysis & PDE Seminar



Credit:

https://en-exact-sciences.tau.ac.il/sites/exactsci_en.tau.ac.il/files/styles/research_teaser_image_180_x_180/public/1436106246_m_mikhail_sodin_180X180_1.jpg

Dear Colleagues!

Institute of Mathematics of the University of Georgia is pleased to invite you to the Online Tbilisi Analysis & PDE Seminar. The seminar will be held bi-weekly on Mondays at 16:00 GMT (at 17:00 CET, at 20:00 local time in Tbilisi), starting on Monday, 30th of November 2020.

Talk on November 30:

Speaker: Prof. Mikhail Sodin, Raymond & Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, <https://en-exact-sciences.tau.ac.il/profile/sodin>

The title of the lecture: “Fourier uniqueness and non-uniqueness pairs”

Abstract: Motivated by a remarkable discovery by Radchenko and Viazovska and by a recent work by Ramos and Sousa, we find conditions sufficient for a pair of discrete subsets of the real axis to be a uniqueness or a non-uniqueness pair for the Fourier transform. These conditions are not too far from each other. The uniqueness theorem can be upgraded to the frame bound and an interpolation formula, which in turn produce an abundance of Poisson-like formulas. This is a report on a joint work in progress with Aleksei Kulikov and Fedor Nazarov.

Date: November 30, 2020;

Time: 16:00 GMT (17:00 CET and 20:00 local time in Tbilisi)

How to join:

The seminar is organized on the [Cisco Webex Meetings](#). If you are already registered, you do not need to register again. Otherwise, to join the seminar please send an e-mail to seminarim@ug.edu.ge or register here:

<https://forms.gle/xfQJ9fg1uqe7CrZw6>

You will then receive further information.

WEB of Seminar: <https://www.ug.edu.ge/en/tbilisi-analysis-and-pde-seminar>

Organizers:

1. R. Duduchava, Institute of Mathematics, University of Georgia, Tbilisi
2. E. Shargorodsky, Department of Mathematics, King's College London
3. G. Tephnadze, Institute of Mathematics, University of Georgia, Tbilisi

Secretary:

M. Tsaava, Institute of Mathematics, University of Georgia, Tbilisi

Technical support:

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