

Tbilisi Analysis & PDE Seminar



Credit: <http://wwwf.imperial.ac.uk/~alaptev/ari.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 (20:00 local time in Tbilisi), starting on Monday, 14th of December 2020.

Talk on December 14

Speaker: Prof. Ari Laptev, Department of Mathematics, Imperial College London, <http://wwwf.imperial.ac.uk/~alaptev/>

The title of the lecture: “Magnetic rings”

Abstract: We study functional and spectral properties of perturbations of a magnetic second-order differential operator on a circle. This operator appears when considering the restriction to the unit circle of a two dimensional Schrödinger operator with the Bohm-Aharonov vector potential. We prove some Hardy-type inequalities and sharp Keller-Lieb-Thirring inequalities.

Date: December 14, 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:

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