



Dear Colleagues!

Institute of Mathematics of the University of Georgia is pleased to invite you to the Online Tbilisi Analysis & PDE Seminar. The seminar is held bi-weekly on Tuesdays at 20 : 00 local time in Tbilisi.

Talk on February 21, 2023

Speaker: Jani Virtanen, University of Reading, UK;
<https://janivirtanen.wordpress.com>

The title of the lecture: “On the Berger-Coburn phenomenon”

Abstract: In 1987, Berger and Coburn proved that if the Hankel operator with a bounded symbol is compact on the classical Fock space, then so is the Hankel operator with the conjugate symbol. This property is unique for the Fock space, and fails for the Hardy space and the Bergman space, for example. In 2004, Bauer showed that an analogous result remains true if compactness is replaced by being Hilbert-Schmidt. The question of what happens with the other Schatten classes remained open for almost two decades. I report on the recent progress, which answers the question in full.

Date: February 21, 2023

Time: 20 : 00 local time in Tbilisi;

(Compare to your local time: <https://www.timeanddate.com/worldclock/georgia/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-seminars>

Organizers:

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

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