



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 November 29, 2022**

**Speaker: Ferenc Weisz**, Eötvös L. University, Hungary;  
<https://www.researchgate.net/profile/Ferenc-Weisz>

**The title of the lecture: “Hardy spaces in the theory of trigonometric and Walsh-Fourier series and Lebesgue points”**

**Abstract:** We introduce higher dimensional martingale and classical Hardy spaces and consider trigonometric and Walsh-Fourier series. We state that the maximal operator of the Fejér or Cesàro means of a higher dimensional function is bounded from the corresponding Hardy space to the Lebesgue space. This implies some almost everywhere convergence of the Cesàro means. We characterize the set of convergence as different types of Lebesgue points.

**Date:** November 29, 2022

**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](mailto: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:

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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