



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 October 18, 2022

Speaker: Prof. **Diogo Oliveira**, Instituto Superior Tecnico;
<https://www.math.tecnico.ulisboa.pt/~oliveiraesilva/>

The title of the lecture: “**The Stein-Tomas inequality: three recent improvements**”

Abstract: The Stein-Tomas inequality dates back to 1975 and is a cornerstone of Fourier restriction theory. Despite its respectable age, it is a fertile ground for current research.

The goal of this talk is three-fold: we present a recent proof of the sharp endpoint Stein-Tomas inequality in three space dimensions; we present a variational refinement and withdraw some consequences; and we discuss how to improve the Stein-Tomas inequality in the presence of certain symmetries.

Date: October 18, 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 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

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