

Tbilisi Analysis & PDE Seminar



Credit:

https://www.ceremade.dauphine.fr/~esteban/pict0009_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 is held bi-weekly on Mondays at 16:00 GMT (at 17:00 CET, at 20:00 local time in Tbilisi).

Talk on January 11

Speaker: Prof. Maria J. ESTEBAN, CEREMADE (Centre de REcherche en MATHématiques de la DÉcision, French for Research Centre in Mathematics of Decision), Paris Dauphine University, <https://www.ceremade.dauphine.fr/~esteban/MJEpage-engl.html>; https://en.wikipedia.org/wiki/Maria_J._Esteban

The title of the lecture: “Magnetic interpolations inequalities in dimensions 2 and 3”

Abstract: In this talk I will present some results concerning magnetic inequalities, similar to Gagliardo-Nirenberg inequalities, but involving magnetic operators. We will first consider the case of a general magnetic field where general results will be proved, but without much concrete information. Then, in the particular cases of constant or Aharonov-Bohm magnetic fields, we will be able to make those results more precise and get better estimates, or even complete information, about the best constants in the inequalities, or about the optimal extremals.

Date: January 11, 2021;

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:

Z. Vashakidze, Institute of Mathematics, University of Georgia, Tbilisi

Background picture credit: https://pngtree.com/freebackground/fresh-geometric-poster-background_1037586.html

