

# UG seminar IM

## The University of Georgia, Seminar of the Institute of Mathematics



Dear Colleagues!

Institute of Mathematics of the University of Georgia is pleased to invite you to the Hybrid “UG seminar IM” Seminar. The seminar is organized at the University of Georgia, building 4, room 306 on Monday at 15:00 (local time in Tbilisi; Compare to your local time at the

WEB:<https://www.timeanddate.com/worldclock/georgia/tbilisi>).

### Talk on July 10:

**Speaker:** Prof. Alex Iosevich, The University of Rochester, USA;

<https://www.sas.rochester.edu/mth/people/faculty/iosevich-alex/index.html>

**The title of the lecture:** “Finite point configurations and learning theory”.

**Abstract:** The basic question we ask is, how large does the Hausdorff dimension of a subset of Euclidean space need to be to ensure that it contains a congruent copy of the finite point configuration of a given type? This problem is strongly connected with the Erdos distance problem in combinatorics, the Falconer distance problem in geometric measure theory, and Furstenberg-type configuration problems in ergodic theory. Connections with complexity problems in learning theory will also be discussed.

**Date:** July 10, 2023;

**Time:** 15:00 local time in Tbilisi; Compare to your local time at the

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### How to join:

The seminar is organized on the platform of WEBEX. If you get this poster on your personal mail, you are already in the mailing list and do not need to register. If you want to be removed from the mailing list or want 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.

### Organizers:

1. R. Duduchava, Institute of Mathematics, University of Georgia, Tbilis
2. E. Khmaladze, Institute of Mathematics, University of Georgia, Tbilisi
3. T. Pirashvili, Institute of Mathematics, University of Georgia, Tbilisi
4. G. Tephnadze, Institute of Mathematics, University of Georgia, Tbilisi

### Secretary:

M. Tsaava, Institute of Mathematics, University of Georgia, Tbilisi

### Technical support:

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