



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 February 14, 2022

Speaker: Prof. Paata Ivanishvili, University of California, USA;
<https://sites.google.com/view/paata>

The title of the lecture: “Convex hull of a space curve”

Abstract: Finding a simple description of a convex hull of a set K in n -dimensional Euclidean space is a basic problem in mathematics. When K has some additional geometric structures one may hope to give an explicit construction of its convex hull. A good starting point is when K is a space curve. In this talk I will describe convex hulls of space curves which have a “very” positive torsion. In particular, we obtain parametric representation of the boundary of the convex hull, different formulas for their Euclidean volumes of the convex hull, the area of its boundary, and the solution to a general moment problem corresponding to such curves.

Date: February 14, 2022

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-seminars>

Organizers:

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3. G. Tephnadze, Institute of Mathematics, University of Georgia, Tbilisi

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