

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On Thursday, December ,14 2023

At 11:10 – 12:00

In 101-

Ido Grayevsky (BGU)

will talk about

Sublinear Rigidity of Lattices in Semisimple Lie Groups

Abstract: I will talk about the coarse geometry of lattices in real semisimple Lie groups. One great result from the 1990's is the quasi-isometric rigidity of these lattices: any group that is quasi-isometric to such a lattice must be, up to some minor adjustments, isomorphic to lattice in the same Lie group. In this talk I present a partial generalization of this result to the setting of Sublinear Bilipschitz Equivalences (SBE): these are maps that generalize quasi-isometries in some 'sublinear' fashion.