

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On Thursday, May, 19 2022

At 11:10 – 12:00

In 101-

Arie Levit (Tel-Aviv University)

will talk about

Characters of groups, stability and sofic dynamical systems

Abstract: We study the character theory of infinite solvable groups, focusing on the metabelian and polycyclic cases. This theory has applications towards the Hilbert-Schmidt stability of such groups - whether almost-homomorphisms into the unitary groups $U(n)$ are nearby honest homomorphisms? We explore an interesting link between stability and topological dynamics via a notion of “sofic dynamical systems”. I will introduce all relevant notions.

The talk is based on a joint work with Itamar Vigdorovich.