

Department of Mathematics, BGU

Colloquium

On *Tuesday, May ,24 2022*

At *14:30 – 15:30*

In *Math 101-*

Arie Levit (Tel Aviv University)

will talk about

Approximated and stable groups

Abstract: In the study of infinite discrete groups it is useful to consider imperfect approximations by finitary models (either permutations or matrices). I will talk about the stability of such approximations, i.e. can it always be corrected to a perfect approximation, focusing mostly on amenable groups. The involved techniques include ergodic theory and dynamics as well as character theory of infinite groups. Some directions and open problems will be presented.