

Department of Mathematics, BGU

Model theory working seminar

On *Wednesday, December ,10 2025*

At *12:10 – 14:00*

In *Room 4*

Noam Daga (BGU)

will talk about

Discrete Weakly O-Minimal Structures

Abstract: The talk focuses on the general behavior of *discrete weakly o-minimal structures*, and their definable sets and functions. Comparisons are drawn with the dense weakly o-minimal case and with the discrete o-minimal case. We develop tools to describe definable maps in these structures, and ultimately state and prove a monotonicity theorem. We also state, using the results given so far, how we hope to prove that no definable groups exist in the discrete, weakly o-minimal setting.