Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On *Dec ,5 2024*

At *11:10 – 12:00*

In *101-*

Aiden Young (BGU)

will talk about

Mixed ergodic optimization

Abstract: We introduce an ergodic optimization problem inspired by information theory, which can be presented informally as follows: given topological dynamical systems $(X, T), (Y, S)$, and a continuous function $f \in C(X \times Y)$, what can be said about the extrema $\sup_{y\in Y} \inf_{x\in X} \lim_{k\to\infty} \frac{1}{k} \sum_{j=0}^{k-1} f\left(T^j x, S^j y\right)$?