

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On Thursday, December ,25 2025

At 11:10 – 12:00

In 101-

Galina Livshyts (Georgia Institute of Technology)

will talk about

Efficient net estimates and the smallest singular value of random matrices

Abstract: We will discuss questions of invertibility of large random matrices, and estimating the smallest singular value of random matrices in the non-asymptotic setting, via methods of asymptotic geometric analysis. We will discuss a construction of an efficient net on the high-dimensional sphere, and its applications to the questions of invertibility of inhomogeneous and log-concave random matrices.