

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On Thursday, May, 18 2023

At 11:10 – 12:00

In 101-

Jon Aaronson (Tel Aviv University)

will talk about

Inner functions revisited

Abstract: An analytic endomorphism of the unit disk is called an inner function if its boundary limit defines a transformation of the circle - which is necessarily Lebesgue nonsingular. I'll review the ergodic theory of inner functions & then present results on:

- their structure;
 - spectral gaps for their transfer operators; and
 - a conditional central limit theorem;
- all recently obtained with Mahendra Nadkarni.