

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On Thursday, February, 11 2021

At 16:25 – 17:30

In Online

Shrey Sanadhya (The University of Iowa)

will talk about

Substitution on infinite alphabets and generalized Bratteli-Vershik models.

Abstract: We consider substitutions on countably infinite alphabets as Borel dynamical system and build their Bratteli-Vershik models. We prove two versions of Rokhlin's lemma for such substitution dynamical systems. Using the Bratteli-Vershik model we give an explicit formula for a shift-invariant measure (finite and infinite) and provide a criterion for this measure to be ergodic. This is joint work with Sergii Bezuglyi and Palle Jorgensen.

Please Note the Unusual Time and Place!