

Department of Mathematics, BGU

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# BGU Probability and Ergodic Theory (PET) seminar

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*On Thursday, November 3 2022*

*At 11:10 – 12:00*

*In Room 303 in building 28 (or via zoom)*

Tomas Persson (Lund University)

will talk about

## **Recurrence**

Abstract: Recurrence is a classical topic in ergodic theory and dynamical systems, which goes back to Poincaré's recurrence theorem. I will talk about old, less old, and new results on recurrence. In particular, I will talk about how to obtain asymptotic results on the number of times a typical point returns to a shrinking neighbourhood around itself.

**Please Note the Unusual Place!**