

RAUZY-VEECH INDUCTION FOR 3-AFFINE INTERVAL EXCHANGE TRANSFORMATIONS

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An affine *interval exchange transformation* (*AIET*) is a piecewise continuous and affine bijection of the interval $[0, 1]$. The dynamical system it induces can display different behaviours: it can either be minimal, accumulate to a Cantor set or be asymptotically periodic.

In this talk we will explain that the latter of these behaviours is generic when restricted to AIETs with three intervals. This study features Rauzy-Veech induction as its main tool, a renormalisation procedure initially introduced to analyse standard interval exchange transformations.

This is joint work with Carlos Fougeron (Skoltech CAS, Moscow)