

Equidistribution and Rauzy fractals

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The aim of this course is to present a combinatorial approach for the study of equidistribution of Kronecker sequences $(nx \bmod 1)_{n \in \mathbb{N}}$, and for their generalizations in higher dimension. One goal is to show how to produce bounded remainder sets. The approach is based on notion of Rauzy fractals associated to substitutions in dynamical systems.