

SEMINARIO

SISTEMAS DINÁMICOS DE SANTIAGO

Expositor

Pierre Arnoux
Université Aix-Marseille

Título

Multidimensional continued fractions and symbolic dynamics for toral translations

ABSTRACT:

We give a dynamical, symbolic and geometric interpretation to multi-dimensional continued fractions algorithms. For some strongly convergent algorithms, the construction gives symbolic dynamics of sublinear complexity for almost all toral translations; it can be used to obtain a symbolic model of the diagonal flow on lattices in $\mathbb{R}^3$.

Día: jueves 31 de mayo del 2018

Hora: 16:30hrs

Lugar: Sala de Seminarios John Von Neumann CMM, Torre Norte, Piso 7 de Beauchef 851.