

Sessão: Sistemas Dinâmicos

Generic dynamics of multidimensional billiards

José Pedro Gaivão¹,

¹ ISEG, Universidade de Lisboa

In this talk we discuss generic properties of billiards inside strictly smooth convex bodies. In particular, we show that in a C^2 -open and dense set of strictly convex bodies, the multidimensional billiard has positive topological entropy. This is a joint work with Mário Bessa, João Lopes Dias, Gianluigi Del Magno and Maria Joana Torres.