

INDAM MEETING:
**HYPERBOLIC DYNAMICAL SYSTEMS
IN THE SCIENCES**

CORINALDO (ITALY)
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Attractors in billiards with dominated splitting

This talk is a continuation of the one delivered in Vienna two years ago. We study billiard-type systems whose reflections are not elastic. The existence of dominated splitting is proved for different cases.

We will present some numerical simulations and new exact results based on the method introduced in: Markarian, Pujals, Sambarino, "*Billiards with dominated splitting*", Ergod. Th. & Dynam. Sys.

(Joint work with A. Arroyo, D. Sanders, S. Pinto and S. Oliffson)