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SEMINÁRIO DE SISTEMAS DINÂMICOS

Dia 1 de Abril (sexta-feira), às 11H00, na sala 6.2.33

Elementary approach to closed billiard trajectories in asymmetric normed spaces

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Abstract:

We apply the technique of Karoly Bezdek and Daniel Bezdek to study the billiards in convex bodies, when the length is measured with a (possibly asymmetric) norm. We give elementary proofs of some known results and prove an estimate for the shortest closed billiard trajectory, related to the non-symmetric Mahler problem. (joint work with A. M. Balitskiy, R. N. Karasev, and A. Sharipova).

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