The Weizmann Institute of Science
Faculty of Mathematics and Computer Science
Mathematical Analysis and Applications Seminar

Room 1, Ziskind Building
on Tuesday, Nov 17, 2015
at 11:15

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Billiard dynamics, a symplectic approach

Abstract:
We will discuss billiard dynamics in convex domains. After some background we shall describe the symplectic geometry approach using capacities, and show various results on minimal lengths of billiards (both Euclidean and the more general Minkowski billiards) and connections with other questions in geometry.