Department of Mathematics,
University of California San Diego

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Algebra Seminar

Prof. Dubi Kelmer

Boston College

Shrinking target problems, homogeneous dynamics and Diophantine approximations

Abstract:

The shrinking target problem for a dynamical system tries to answer the question of how fast can a sequence of targets shrink so that a typical orbit will keep hitting them indefinitely. I will describe some new and old results on this problem for flows on homogenous spaces, with various applications to problems in Diophantine approximations.

Host: Amir Mohammadi

Tuesday, April 16, 2019
3:00 PM
AP&M 7321

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