Department of Mathematics
The Chinese University of Hong Kong

數學系
香港中文大學

Phone: (852) 3943 7988 ● Fax: (852) 2603 5154 ● Email: dept@math.cuhk.edu.hk (Math. Dept.)
Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Seminar

Shrinking target problem on Bedford-McMullen carpets

Professor Michal Rams
Polish Academy of Sciences

Abstract

Given a dynamical system (X,T) and a decreasing family of open sets U_n one defines the shrinking target set as the set of points $x\in X$ such that $T^nx \in U_n$ for infinitely many n's. In this talk I will describe the shrinking target set for an affine expanding map on the plane corresonding to the Bedford-McMullen affine iterated function systems. It is a joint work with Balazs Barany from Budapest Technical University.

Date: 16 March 2018 (Friday)
Time: 11:00am – 12:00noon
Venue: Room 222, Lady Shaw Building,
         The Chinese University of Hong Kong, Shatin

All are Welcome