

SCMS Seminar



HAUSDORFF DIMENSION OF BAD SETS IN INHOMOGENEOUS DIOPHANTINE APPROXIMATION

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Lecture

Time: 4:30-5:30 pm., Friday, Dec. 22, 2017

Venue: Room 2201, East Main Guanghua Tower, Handan Campus

Abstract: We will explain how to use homogeneous dynamics to Diophantine approximation. In particular, we are interested in badly approximable vectors in inhomogeneous Diophantine approximation. We will give a condition that ensures Hausdorff dimension of bad sets to be not full. This is a joint work with Uri Shapira and Nicolas de Saxce.