



Analysis Seminar Guest Speaker



Gap Distributions & Homogenous Dynamics

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Wednesday, December 9th, 2015
4:10 p.m.
Neill 5W

We discuss the notion of gap distributions of various lists of numbers in $[0, 1]$, in particular focusing on those which are associated to certain low-dimensional dynamical systems.

We show how to explicitly compute some examples using techniques of homogeneous dynamics. This work gives some possible notions of 'randomness' of special trajectories of billiards in polygons, and is based partly on joint works with J. Chaika, J. Chaika and S. Lelievre, and with Y. Cheung.

Refreshments served at 3:30 p.m.

Hacker Reading Lounge - Neill 216

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