



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
Geometric Functional Analysis and Probability Seminar

Room 261 ,Ziskind Building
on Thursday, Mar 26, 2015
at 11:05

Tom Hutchcroft
University of British Columbia

Hyperbolic and Parabolic Random Maps

Abstract:

We establish a sharp division of infinite random planar graphs into two types, hyperbolic and parabolic, showing that many probabilistic and geometric properties of such a graph are determined by the graph's average curvature, a local quantity which is often easy to compute. Work in progress with Omer Angel, Asaf Nachmias and Gourab Ray.