

---

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, 2015at 11:05

Tom HutchcroftUniversity 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.