

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 簡毓延 Dr. Yu-Yen Chien
(National Center for Theoretical Sciences)

Title : *An Introduction to Hyperbolic Groups*

Abstract :

Gromov introduced the notion of hyperbolic groups in 1987, and the study of hyperbolic groups has been thriving since then. Roughly speaking, a hyperbolic group is a finitely generated group of which the Cayley graph has certain hyperbolic feature on a large scale. In this talk, I will introduce the large scale versions of some geometric notions, such as isometry, convexity, and hyperbolicity, and give examples, non-examples, and properties of hyperbolic groups. If time allows, I will talk about some applications of hyperbolic groups to low-dimensional topology.

Time : 11:00 – 12:30, Wednesday, October 26, 2016

Venue : Room 638, Astro-Math. Building (NTU Campus)

Organizer : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

Refreshment : 10:30

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