Geometry Seminar

Speaker

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Monday, April 2, 2018
1 - 2 pm in HH-3013

Hyperbolic Groups

Abstract:

δ-Hyperbolic spaces are one of the generalisations of Negatively Curved Riemannian Manifolds. The theory of discrete groups satisfying these metrical properties, was introduced and developed by M. Gromov. These groups though defined geometrically, exhibit many interesting algebraic properties. In this talk, I will present one of the definitions of Hyperbolic Group, discuss some examples and sketch the proof of the Milnor-Ååvarc lemma, which provides a family of examples of such groups.