Jayadev Athreya

Title: Cusp Excursions on Parameter Spaces

Abstract: We describe an axiomatic approach to studying statistical behavior of cusp excursions for diagonal and unipotent flows (arising from an ambient Lie group action) on parameter spaces. Our approach applies in particular to the space of unimodular lattices and the spaceof quadratic differentials. Some of the results described are joint work with Prof. G. Margulis.

Jens Heber

Title: Cocompact isometry groups in nonpositive curvature