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Clay Lecture: Rigidity of Kleinian groups

mardi 28 mai 2024 11:00 (1 heure)

Discrete subgroups of $\mathrm{PSL}(2,\mathbb{C})$ are called Kleinian groups. After a brief review of the Mostow-Sullivan rigidity theorem, we will discuss a new rigidity theorem for general Kleinian groups and its various implications including a cross-ratio rigidity theorem. For convex cocompact Kleinian groups, we also present a measure-theoretic rigidity theorem. We will discuss how we use the dynamics of one-parameter diagonal flows on higher rank homogeneous spaces of infinite volume to prove these results.
(This talk is based on joint work with Dongryul Kim).

Orateur: HEE OH (Yale University)