ID de Contribution: **18**   Type: **Non spécifié**

Effective equidistribution of random walks

vendredi 31 mai 2024 11:00 (1 heure)

I will explain why a random walk on $SL_2(\mathbb{R})/SL_2(\mathbb{Z})$ equidistributes with an explicit rate toward the Haar measure, provided the walk is not trapped in a finite orbit and the driving measure is supported by algebraic matrices generating a Zariski-dense subgroup. The argument is based on a multislicing theorem which extends Bourgain's projection theorem and presents independent interest. Joint work with Weikun He.

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