

SEMPARIS – Séminaires en région parisienne

<http://string.lpthe.jussieu.fr/semparis/>

TBA

Lundi 7 Octobre 2019, 14 :30

IHES, Amphithéâtre Léon Motchane(Séminaire Géométrie et groupes discrets)

Domaines : math

Titre : *Degenerations of $SL(2, \mathbb{C})$ Representations and Lyapunov Exponents*

Orateur : **Romain Dujardin (LPMA, Sorbonne Université)**

Résumé : *Let G be a finitely generated group endowed with some probability measure μ and (ρ_λ) be a non-compact algebraic family of representations of G into $SL(2, \mathbb{C})$. This gives rise to a random product of matrices depending on the parameter λ , so the upper Lyapunov exponent defines a function on the parameter space. Using techniques from non-Archimedean analysis and algebraic geometry, we study the asymptotics of the Lyapunov exponent when λ goes to infinity. This is joint work with Charles Favre.*
