SEMPARIS – Séminaires en région parisienne

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TBA

Lundi 7 Octobre 2019, 14 :30
IHES, Amphithéâtre Léon Motchane(Séminaire Géométrie et groupes discrets)
Domaines : math

Titre : *Degenerations of SL(2,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,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.*