SEMPARIS – Séminaires en région parisienne

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TBA

Lundi 3 Octobre 2022, 14 :00
IHES, Amphithéâtre Léon Motchane(Séminaire Géométrie et groupes discrets)
Domaines : math

Titre : *Elementary Properties of Groups of Polynomial Automorphisms*

Orateur : **Serge Cantat (CNRS & Université de Rennes 1)**

Résumé : *Let G be a finitely generated group acting faithfully by linear transformations on a finite-dimensional complex vector space. The theorems of Malcev, Selberg, or Tits provide important properties satisfied by G. To what extent do these properties continue to hold when G is acting by polynomial (instead of linear) transformations ? In order to address this question, I shall describe a few results that illustrate how one can use p-adic or finite fields for problems which are initially phrased in terms of complex numbers.*