SEMPARIS – Séminaires en région parisienne

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Seminaires du LPTM , Universite de Cergy Pontoise

Mardi 25 Juin 2019, 11 :00
LPTM, 4.13 St Martin II
Domaines : math-ph

Titre : *Probabilistic analysis of a discrete-time evolution in recombination.*

Orateur : **Servet Martinez (CMM Universidad de Chile, Santiago, CHILI)**

Résumé : *We study the discrete-time evolution of a recombination transformation in population genetics. The transformation acts on a product probability space, and its evolution is be described by a Markov chain on a set of partitions that converges to the finest partition. We describe the geometric decay rate to this limit and the quasi-stationary behavior of the Markov chain when conditioned to the event that the chain does not hit the limit.*