

Seminario Aleatorio

Sesión 394

Random Exchangeable Set Systems

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Resumen

In this talk functional representation results for different types of random exchangeable set systems are discussed, the emphasize is on so-called 'hierarchies', also called 'total partitions'. An exchangeable hierarchy arises, for example, when considering only the branching structure of Kingman's coalescent.

Another example is in the context of Rémy's tree growth chain, which is a Markov chain of growing uniform Catalan trees (rooted, ordered, binary). The representation results presented in this talk are closely related to Kingman's paintbox construction for random exchangeable (ordinary) partitions.

In the end it is outlined how the presented material fits into a general abstract framework for studying exchangeability in data structures.

**Viernes 14 de octubre de 2022,
13:00 horas de CDMX,**

<https://itam.zoom.us/j/99494671750?pwd=eFZidDR6QjhWbDZEVVJhanNnSURhZz09>

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