

Seminaire Hypatie :

**Critical behavior of Fortuin-Kasteleyn percolation in two dimensions**

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**Quand** : 27 novembre 2015

**Où** : Institut Camille Jordan, Université Lyon 1. Salle Fokko du Cloux (batiment Braconnier)

**Accès** : <http://math.univ-lyon1.fr/divers/?option=acces>

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**Programme** :

10:30-11:30 Vincent Tassion, Part I

11:45-12:45 Vincent Tassion, Part II

Lunch

14:30-15:30 Hugo Duminil-Copin, Part I

15:45-16:45 Hugo Duminil-Copin, Part II

**Résumé** :

We will describe a theory of renormalization for crossing probabilities in planar dependent percolation models. We will discuss in details the case of the Fortuin-Kasteleyn percolation on the square lattice. We will also mention applications of these crossing probabilities to the understanding of the scaling limit at criticality for both the Fortuin-Kasteleyn percolation and the Potts models.