

Unité de probabilités

Séminaires programmés

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janvier
french only

Conférence en probabilité

Mardi 30 janvier 2007 à 16h15
[MA 12](#), EPFL, Ecublens

Nicolas Petrelis

Eurandom

Copolymer in a multi interface medium

Résumé

In this talk we will present some results that we obtained with Frank den Hollander about a model of copolymer in an emulsion. This model was introduced by F. den Hollander and S. Whittington in their paper "Diffusion of a heteropolymer in a multi interface medium". We will focus on the super-critical case (when one of the two types of droplets percolates), and more particularly on the phase transition between full-delocalization in the infinite cluster and partial-localization at the interface between the infinite cluster and the other solvent. We will see that the order of the transition is exactly 2.

(Joint work with Frank den Hollander.)

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