

Seminario
Conjunto Modelamiento Estocástico / Núcleo MESCYD

15:30 hrs.

Speaker: Gia Bao Nguyen (KTH)

Title: Two-time distribution for KPZ growth in one dimension

Abstract:

Consider the height fluctuations $H(x,t)$ at spatial point x and time t of one-dimensional growth models in the Kardar-Parisi-Zhang (KPZ) class. The spatial point process at a single time is known to converge at large time to the Airy processes (depending on the initial data). The multi-time process however is less well understood. In this talk, I will discuss the result by Johansson on the two-time problem, namely the joint distribution of $(H(x,t), H(x,at))$ with $a > 0$, in the case of droplet initial data. I also show how to adapt his approach to the flat initial case. This is based on joint work with Kurt Johansson.

16:45 hrs

Speaker: Remy Sanchis (Universidade Federal de Minas Gerais)

Title, abstract: TBA

Martes 29 de mayo comenzando a las 15:30 hrs, Sala de Seminarios John Von Neumann CMM, Torre Norte, Piso 7, de Beauchef 851.