

Chilean Probability Seminar

Orador: Aleksandra Korzhenkova (EPFL, Suiza)

Título: Limiting distributions of Spherical and Spin $O(N)$ models: Appearance of GFF.

Resumen: Spherical model is a mathematical model of a ferromagnet introduced by Berlin and Kac in 1952 as a rough but analytically convenient modification of the Ising model. Since its inception it has enjoyed considerable popularity among the mathematicians and physicists as an exactly soluble model exhibiting a phase transition. In this talk we will explain its relation to the Gaussian free field in the infinite volume limit and to the spin $O(N)$ model in the infinite spin-dimensionality limit of the latter.

This talk is based on the joint work with Juhan Aru.

El enlace para conectarse al seminario es:

Unirse a la reunión Zoom

<https://reuna.zoom.us/j/84521834914?pwd=OTZ6Y0NWM3pYTGtTbEt3c0luTG96UT09>

ID de reunión: 845 2183 4914

Código de acceso: 997973

Modalidad híbrida en la sala Multimedia CMM, Beauchef 851, Torre Norte Piso 6.
Miércoles 12 de junio a las 16:15 hrs.