

SEMINARIO CONJUNTO

MODELAMIENTO ESTOCASTICO /NÚCLEO MESCD

EXPOSITOR

Jan Czajkowski
(UBA)

TÍTULO

Percolation in hyperbolic space: the non-uniqueness phase.

Resumen:

We consider Bernoulli percolation on Cayley graphs of reflection groups in the 3-dimensional hyperbolic space H^3 corresponding to a large class of Coxeter polyhedra. In such setting, we prove the existence of a non-empty no-uniqueness percolation phase, i.e., that $p_c < p_u$. It means that for some values of the percolation parameter there are a.s. infinitely many infinite components in the percolation subgraph.

If time permits, I will present a sketch for the case of a right angled compact polyhedron with at least 18 faces.

Lunes 02 de Mayo a las 16:30 hrs, Sala de Seminarios John Von Neumann CMM, séptimo piso, torre norte, Beauchef 851.

