

概率论系列报告 Probability Seminar

报告题目(Title): **The vortices of the Villain model**

报告人(Speaker): Avelio Sepulveda (Universidad de Chile)

时间(Time): **2021/05/03 14:00-15:00**

线上报告 Zoom 会议号: 675 1962 7895 密码: 241728

<https://zoom.com.cn/j/67519627895?pwd=T1RWczNlcjhLKzZ3QUxNd3llbWdydz09>

线下地点(Venue): 理科一号楼 1114 Science Building No.1

摘要(Abstract):

Joint works with C. Garban. The Villain model is a model of continuous spins that presents a topological phase transition. Informally, this means that at low temperature the topological defects or vortices appear in pairs, but at high temperature they delocalise. In this talk, we will see that the influence of the vortices is always macroscopic even at low temperature. Furthermore, we will identify their law and compute its scaling limit at high temperature.

欢迎参加

Everyone is welcome.