Stochastic Webinar

Random surfaces and lattice Yang-Mills

Sky Cao   Stanford University

Sky Cao received his PhD from Stanford University in 2022. He then spent one year as a Minerva research foundation member at IAS. Currently, he is a postdoc at MIT. He works in probability theory, and more specifically in problems related to Yang-Mills.

Abstract: I will talk about recent work which studies Wilson loop expectations in lattice Yang-Mills models. In particular, I will give a representation of these expectations as sums over embedded planar maps. Time permitting, I will also discuss alternate derivations, interpretations, and generalizations of several recent theorems about Brownian motion limits (Dahlqvist), lattice string trajectories (Chatterjee and Jafarov) and surface sums (Magee and Puder). This is joint work with Minjae Park and Scott Sheffield.

讲座时间：

2023.9.20 周三上午 9:00-10:00
会议地点：ZOOM会议室　会议ID：354 143 7366　密码：123456

主办单位：
中科院数学与系统科学研究院应用数学所
北京理工大学数学与统计学院