

# 概率论系列报告

报告题目(Title): Random holomorphic fields on complex manifolds

报告人(Speaker): 冯仁杰 博士 北京国际数学研究中心

时间(Time): 3月13日(周一)下午 3:00-4:00

地点(Venue): 北京大学理科一号楼 1303

摘要(Abstract): Random holomorphic sections of positive holomorphic line bundle on complex manifolds are natural generalization of random polynomials. In my talk, I will first define the random holomorphic fields and exhibit several well-known results. Then two of my results (joint with S. Zelditch) on the extrema of random fields will be given: the distribution of critical values and the mean value of the supremum of  $L^2$ -normalized fields. I will also talk about my recent results on the correlations of zeros and critical points of random analytic functions. I will also discuss several open problems.

欢迎参加