概率论系列报告

报告题目(Title): From infinite urn schemes to decompositions of self-similar Gaussian processes

报告人 (Speaker): エー早 博士 University of Cincinnati

时间(Time): 6月6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): We investigate a special case of infinite urn schemes first considered

by Karlin (1967), and especially its occupancy and odd-occupancy processes. We first propose a natural randomization of these two processes and their decompositions. We then establish functional central limit theorems, showing that each randomized process and its components converge jointly to a decomposition of certain self-similar Gaussian process. In particular, the randomized occupancy process and its components converge jointly to the decomposition of a time-changed Brownian motion $\mbox{mathbb B}(t^{abb}), \abbab{mathbb}, \abbab$

Joint work with Olivier Durieu (Université de Tours, France).

欢迎参加