概率论系列报告 Probability Seminar

报告题目(Title): **Some properties of a stationary continuous state branching process**

报告人(Speaker): **何辉 Hui He (BNU)**

时间(Time): **2021/05/10 14:00-15:00**

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

摘要(Abstract):

We consider the genealogical tree of a stationary continuous state branching process with immigration. For a sub-critical stable branching mechanism, we consider the genealogical tree of the extant population at some fixed time and prove that, up to a deterministic time-change, it is distributed as a continuous-time Galton-Watson process with immigration. We also show that the sizes of the families of the extant population ranked according to their immigration time yields a Poisson-Kingman distribution. And a natural link to the Bolthausen-Sznitman coalescent is also obtained. The talk is based on a joint work with R. Abraham and J.-F. Delmas.

欢迎参加

Everyone is welcome.