

概率论系列报告

报告题目 (Title): Gromov-Hausdorff -Prohorov convergence of
vertex cut-trees of n-leaf Galton-Watson trees

报告人 (Speaker): 何辉 副教授 北京师范大学

时间 (Time): 10月10日(周一)下午 3:00-4:00

地点 (Venue): 北京大学理科一号楼 1556

摘要 (Abstract): We study the vertex cut-tree of Galton-Watson trees conditioned to have n leaves. This notion is a slight variation of Dieuleveut's vertex cut-tree of Galton-Watson trees conditioned to have n vertices. Our main result is a joint Gromov-Hausdorff -Prohorov convergence in the finite variance case of the Galton-Watson tree and its vertex cut-tree to Bertoin and Miermont's joint distribution of the Brownian CRT and its cut-tree. The methods also apply to the infinite variance case, but the problem to strengthen Dieuleveut's and Bertoin and Miermont's Gromov-Prohorov convergence to Gromov-Hausdorff -Prohorov remains open for their models conditioned to have n vertices. This is a joint work with Matthias Winkel.

欢迎参加