

Date: 2020.11.18 3:30-4:30 pm (Beijing time).

Tencent meeting: 416 4789 4755

Zoom: 630 647 50985 (psw 123456)

Speaker: Qingsan Zhu (HKUST)

Title: critical branching random walks, branching capacity and branching interlacements

Abstract: We discuss critical branching random walks and introduce new concepts for critical branching random walks: branching capacity and branching interlacements. By introducing these concepts, we can obtain analogues of various classical results for random walks, in the setting of critical branching random walks: the exact asymptotics for the visiting probability, the local limit of branching random walks in tori, the cover time of a torus by branching random walks, etc.