ANALYTICITY OF 3D BROWNIAN INTERSECTION EXPONENTS

XINYI LI

In this talk, we will discuss the boundary Harnack principle (BHP) of the domain in $\mathbb{R}^3$ with the trace of a 3D Brownian motion removed and how it implies the analyticity of the intersection exponents for 3D Brownian motion. Joint work (available at arXiv:2411.14921) with Yifan Gao (CityU HK), Yifan Li, Runsheng Liu and Xiangyi Liu (PKU).