



北京理工大学

数学与统计学院学术报告

Characterization of generalized conformal restriction measures via Brownian loop soups

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摘要: We present a unified approach to establish the uniqueness of generalized conformal restriction measures with central charge $c \in (0, 1]$ in both chordal, radial, and loop cases (also known as the Malliavin-Kontsevich-Suhov measures), by relating these measures to the loop soups. Moreover, we relate the MKS measure on the disk to the crossing probability of the Brownian loop soup, which strengthens the known estimate for the latter. This is based on joint works with Gefei Cai (PKU).

简介: 高一帆, 2017 年于中山大学获理学学士学位, 2022 年于北京大学获理学博士学位。2022 年至 2025 年在香港城市大学从事博士后研究。2025 年 12 月加入西湖大学, 担任理论科学研究院特聘研究员。

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