

Universität zu Köln

Department Mathematik/Informatik

Prof. Dr. A. Drewitz



Einladung zum Oberseminar Stochastik

online über [diesen Zoom link](#)

Donnerstag, 20.01.2022 um 11:45 Uhr

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zum Thema

Multiple points on the boundaries of Brownian loop-soup clusters

Abstract

What is the Hausdorff dimension of the outer boundary of a planar Brownian motion? This natural yet extremely hard question has attracted many probabilists and physicists, and has led to the introduction of various new tools and theories in mathematics. It has been answered rigorously by a series of celebrated works of Lawler, Schramm and Werner since 2000. This talk focuses on how to generalize their results to the case of Brownian motions plus Brownian loop-soups, which will be used to show the Hausdorff dimension of multiple points on the Brownian loop-soup cluster boundaries.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik