



Analysis Seminar

Anomalous geodesics in the inhomogeneous corner growth

By

Elnur Emrah
(University of Bristol)

Abstract: Last-passage percolation (LPP) is a basic model of directed growth propagating along optimal paths (geodesics). A well-known exactly-solvable case of LPP is the corner growth model where the setting is the lattice quadrant and the vertex weights are IID exponentials. By varying the rates of the exponentials suitably to preserve exact-solvability, one obtains the inhomogeneous corner growth. For this model, we discuss the directedness of semi-infinite geodesics and point out some novelties that do not occur in the homogeneous case. Based on a joint work with Chris Janjigian and Timo Seppäläinen.

Date: Monday, April 14, 2025

Time: 15:30-16:30

Place: ZOOM

To request the event link, please send a message to goncha@fen.bilkent.edu.tr