Institute for Applied Mathematics, Bonn University

Oberseminar Stochastik

Thursday, 12 December 2025, 16:30
Lipschitz-Saal (LWK 1.016)

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Domino tilings of the Aztec diamond in random environment

It is well-known that under a certain choice of weights random domino tilings of the Aztec diamond can be analyzed via Scur measures on partitions. In this talk we will discuss the model in which the parameters of the Schur measure (or, equivalently, some weights of dominoes) are random themselves. We establish the limit shape and global fluctuations (quenched and annealed) via the technique of Schur generating functions.