



Mathematics and CS Seminar

The Arboreal Gas

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In Bernoulli bond percolation each edge of a graph is declared open with probability p , and closed otherwise, and one typically asks questions about the random subgraph of open edges. The arboreal gas is the probability measure obtained by conditioning on the event that the percolation subgraph is a forest, i.e., contains no cycles.

What are the percolative properties of these random forests? Do they contain giant trees? I will discuss what is known and conjectured, including a surprising connection with reinforced random walks.

Tuesday, June 1, 2021 04:30pm - 05:15pm

IST Austria Campus Online via Zoom



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.