

Anomalous Statistics of Extreme Random Processes (in person)

Wednesday, December 1, 2021 4:00 PM (50 minutes)

I plan to discuss three problems of extremal statistics in which unusual (but related to each other) features arise:

- a) statistics of two-dimensional "stretched" random walks above a semicircle,
- b) spectral properties of sparse random matrices,
- c) statistics of one-dimensional paths in the Poissonian field of traps. I will pay attention to the relationship of these problems with the Anderson localization in 1D, and with some number-theoretic properties of eta-Dedekind function.

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