

Large deviations for the log-Gamma polymer

Thursday, June 6, 2024 9:30 AM (50 minutes)

I will present a conjecture about large deviations of the partition function of the log-Gamma polymer. We can rigorously prove our result, except for one step for which we only have heuristic evidence. I will show that the conjectured large deviation rate function matches with that of last passage percolation with exponential weights in the zero-temperature limit, and with the lower tail of the Tracy-Widom distribution for moderate deviations.

The talk will be based on joint work with Julian Mauersberger.

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