

Zero Temperature Limits for Directed Polymers in Random Environment

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In this talk, I discuss the zero-temperature limit for directed polymer models. In many cases, the limit is simply the first/last passage percolation. However, there are several natural settings where the entropy remains non-degenerate at zero-temperature. I explain a motivation to consider such a situation and present a few results on the continuity of the free energy in the zero-temperature limit.