
Applications of maximal entropy random walk

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Abstract

The concept of maximal entropy random walk (MERW) is based on the idea of equiprobable trajectories (Phys. Rev. Lett. 102, 160602). The most surprising feature of this type of random walk is that it exhibits localisation on almost regular lattices with a weak disorder coming from diluted irregularities of the lattice. In the talk we shortly recall the definition of MERW and discuss its various applications.

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