Abstract

Random Systems

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Quantitative continuity of the density of states in the probability distribution for continuum random Schrödinger operators

With Peter Hislop

We show that the density of states measure for random Schrödinger operators on $\mathbb{R}^d$ is Hölder continuous, with respect to the weak topology, in the underlying probability distribution. This extends our earlier result obtained for discrete random Schrödinger operators on $\mathbb{Z}^d$ and on graphs.