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Peter D. Hislop*, Mathematics Department, 715 Patterson Office Tower, University of Kentucky, Lexington, KY 40506-0027. *Dependence of the density of states on the probability distribution for discrete random Schrödinger operators, Part 2.*

We prove the Hölder-continuity of the density of states measure (DOSm) and the integrated density of states (IDS) with respect to the probability distribution for discrete random Schrödinger operators with a finite-range potential. In particular, our result implies that the DOSm and the IDS for smooth approximations of the Bernoulli distribution converge to the corresponding quantities for the Bernoulli-Anderson model. Other applications of the techniques are given to the dependency of the DOSm and IDS on the disorder, and the continuity of the Lyapunov exponent in the weak-disorder regime for dimension one.

The talk is based on joint work with Chris Marx (Oberlin College) (Received February 06, 2018)