

1135-82-1253

**John Z Imbrie\*** (imbrie@virginia.edu), Department of Mathematics, P. O. Box 400137, Charlottesville, VA 229044137. *Localization and Eigenvalue Statistics for the Lattice Anderson model with Discrete Disorder.*

We prove localization and probabilistic bounds on the minimum level spacing for the Anderson tight-binding model on the lattice in any dimension, with single-site potential having a discrete distribution taking  $N$  values, with  $N$  large. (Received September 20, 2017)