

1011-35-67

T. Christiansen* (tjc@math.missouri.edu), Department of Mathematics, University of Missouri, Columbia, MO 65211, and **P. D. Hislop**. *The resonance counting function for Schrödinger operators in odd dimensions.*

In odd dimension d , the resonance counting function for a Schrödinger operator on \mathbb{R}^d has maximal order of growth for a generic set of L^∞ , compactly supported potentials. On the other hand, for $d \geq 3$, there are nontrivial complex-valued, compactly supported potentials for which the associated Schrödinger operator has no resonances. (Received August 11, 2005)