

Abstract Submitted
for the DAMOP16 Meeting of
The American Physical Society

Trotterized Optical Lattice as a 3D Disordered Hamiltonian M. E. W. REED, Z. S. SMITH, A. DEWAN, S. L. ROLSTON, Joint Quantum Institute/University of Maryland, College Park — We discuss our Trotterized implementation of a disordered Hamiltonian that maintains isotropy in two of three dimensions through the use of a high NA pulsed accordion lattice. The optical potential and atomic cloud can be characterized in situ using the same $1\ \mu\text{m}$ imaging system with every shot, allowing a precise comparison between models of the sliding phase and our particular approximations of its Hamiltonian.

Zachary Smith
Joint Quantum Institute/University of Maryland, College Park

Date submitted: 29 Jan 2016

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