

Abstract Submitted
for the MAR06 Meeting of
The American Physical Society

Wigner Function for an Impurity in a Parabolic Quantum Dot GARY SNYDER, MAJD MAYASSI, PRAVEEN NITTALA, TOMAS MATERDEY, University of Massachusetts Boston — High sensitivity of quantum dots with impurities can be linked with phase space high sensitivity to initial conditions. We present the Wigner function for an impurity in a parabolic quantum dot obtained from a variational wavefunction.

Tomas Materdey
University of Massachusetts Boston

Date submitted: 14 Feb 2006

Electronic form version 1.4