

Curriculum Vitae

Personal Details

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Born: Oct. 27, 1979, Beer-Sheva, Israel.
Highschool: 1993 - 1997, Eshel ha' nassie.
Military service: 1998 - 2000.
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Education

2008 - 2012 P.h.D., Physics Department, Ben-Gurion University of the Negev.
Advisor: Prof. Doron Cohen.
2006 - 2008 M.Sc., Physics Department, Ben-Gurion University of the Negev.
Advisor: Prof. Doron Cohen.
2002 - 2005 B.Sc., Physics Department, Ben-Gurion University of the Negev.

Employment History

2008 - 2012 Teaching assistant, Physics Department, Ben-Gurion University of the Negev.
2005 - 2007 Physics student, Applied Materials.

Publications

Restricted quantum-classical correspondence and counting statistics for a coherent transition, M. Chuchem and D. Cohen, Phys. Rev. A 77, 012109 (2008)

Counting statistics in multiple path geometries and the fluctuations of the integrated current in a quantum stirring device, M. Chuchem and D. Cohen, J. Phys. A 41, 075302 (2008)

Quantum transport and counting statistics in closed systems, M. Chuchem and D. Cohen, Physica E 42, 558 (2010). Proceedings of Frontiers of Quantum and Mesoscopic Thermodynamics (Prague, 2008).

Phase-diffusion dynamics in weakly coupled Bose-Einstein condensates, E. Boukobza, M. Chuchem, D. Cohen and A. Vardi, Phys. Rev. Lett. 102, 180403 (2009).

Occupation Statistics of a BEC for a Driven Landau-Zener Crossing, K. Smith-Mannschott, M. Chuchem, M. Hiller, T. Kottos and D. Cohen Phys. Rev. Lett. 102, 230401 (2009).

Semiclassical analysis of quantum dynamics in the bosonic Josephson junction, M. Chuchem, K. Smith-Mannschott, M. Hiller, T. Kottos, A. Vardi and D. Cohen, Phys. Rev. A 82, 053617 (2010).

Non-adiabatic pumping in an oscillating-piston model, M. Chuchem, T. Dittrich and D. Cohen Europhysics Letters 98, 38001 (2012).