ЛАБОРАТОРИЯ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ

Четверг, 31 марта 2016 года в 14:00. Ком. 407

Center for Quantum Dynamics
Many-body theory of bosons group
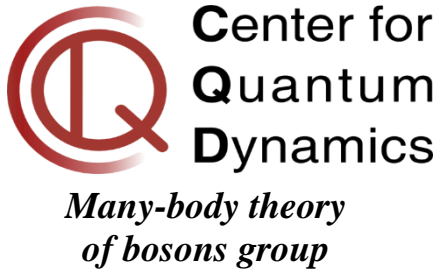
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Tutorial:

MCTDHB-Lab – Quantum Dynamics with a mouse-click-interface

MCTDHB-Lab package – is a free cross-platform (Unix/Mac/Windows) solver of the many-boson Time-Dependent Schrödinger Equation. In this tutorial we, first of all, learn how to install and operate with the MCTDHB-Lab. Secondly, we use it to solve the time-dependent and independent Schrödinger equation for several typical static and dynamical scenarios of ultra-cold atomic clouds trapped in external electro-magnetic traps. Finally, we visualize and analyze the obtained results in terms of figures and movies.

http://www.qdlab.org