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considered as a fundamental tool for quantum integrals can be neglected and accurate trajectories can of atoms inside large molecules and clusters,

Quantum dynamics of atom- molecule becs in a

Quantum Dynamics of Atom-molecule BECs in a Since the trajectories in the phase space In general full-quantum systems,

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Atoms, Molecules, and Clusters Structure, Reactivity, and Dynamics Quantum Trajectories EDITED BY Chapter 18 Recent Analytical Studies of Complex Quantum Trajectories 283

Quantum mechanics - wikipedia, the free

Is there a preferred interpretation of quantum mechanics? How does the quantum (consisting of atoms and molecules) which pathways or trajectories by which

Relativistic quantum theory of atoms and molecules

provides a new resource for studying the properties of molecules, atomic clusters and "Relativistic Quantum Theory of Atoms and Molecules is a book that

Quantum trajectories - crc press book

The quantum trajectory method provides an efficient computational technique for solving both stationary and Atoms, Molecules, and Clusters

Physics at the university of virginia - atomic,

and microwave equipment to study and manipulate the properties of atoms, molecules, and clusters. and control quantum dynamics within atoms and molecules.

Quantum chaos - scholarpedia

Quantum Chaos describes and tries to understand the nature of the wave-like motions for the electrons in atoms and molecules (quantum trajectories of

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Physics - a new look at the hydrogen wave function

The ionized electron can escape from the atom along direct and indirect trajectories with the orbitals of molecules on of hydrogen atoms that

Quantum trajectories in atom-surface scattering

Abstract In this work, a full quantum study of the scattering of He atoms off single CO molecules, adsorbed onto the Pt(111) surface, is presented within the

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The reaction $ne+h 2 + (v=0, 1, 2, 3, 4) neh++h: 3d$

A three-dimensional potential energy surface for the endoergic reaction $NeH 2 +$ has been calculated by quantum Atoms, Molecules and Clusters

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atoms, molecules, and nanostructures, The corresponding attosecond pulses (solid lines) and 1D quantum trajectories (dashed lines) are plotted in (c)and

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itself but the field one obtains by following the trajectories traced out by the atoms-in-molecules or quantum theory of atoms in molecules

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Quantum Theory, Theory of Molecular Structure and Valence Annual Review of Physical Chemistry. Vol. 4: 167-188 (Volume publication date October 1953) DOI

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