

Language skills

Հայերեն Русский English

Publications

Article

Spin-Dependent Multichannel Tunneling of an Electron in a Nanotube with an Impurity in a Longitudinal Magnetic Field [Спин-зависимое многоканальное туннелирование электрона в нанотрубке с примесью в продольном магнитном поле]

A. Zh. Muradyan, D. A. Badalyan

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2025
35-41

Article

Stationary States of an Electron in a Prolate Spheroidal Quantum Dot [Стационарные состояния электрона в вытянутой сфероидальной квантовой точке]

M. V. Hayrapetyan, A. Zh. Muradyan

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144 - 148

Article

Polarimetric Light-Pulse Atom Interferometer: Two-Level Scheme [Поляризметрический светимпульсный атомный интерферометр: двухуровневая схема]

A. Zh. Muradyan

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Article

Jaynes-Cummings Model in Counter Propagating Waves Basis: Large Numbers of Excitations

A.Zh. Muradyan

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Article

Spin-dependent multichannel scattering of electron in a quantum wire

A.Zh. Muradyan, D.A. Badalyan

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Article

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Quantum Tunneling Time of a Moderately Singular Potential: Regularization Method

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Spin-dependent multichannel scattering of electron in a quantum wire with a point defect

D.A. Badalyan, A. Zh. Muradyan

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Article

On Quantum Tunneling of a Singular Potential

A. Zh. Muradyan

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Spontaneous Emission of a Semiconductor Quantum Dot without the Dipole Approximation

G. A. Muradyan, L. R. Arzumanyan, A. Zh. Muradyan

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Manual

Լաբորատոր պարապմունքների ուղեցույց: Մոլեկուլային ֆիզիկա

Ա. Ժ. Մուրադյան, Դ. Հ. Բադալյան, Ռ. Յ. Գաբրիելյան, Մ. Վ. Հայրապետյան, Լ. Ա. Հովհաննիսյան

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A. Zh. Muradyan, G. A. Muradyan, L. R. Arzumanyan

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Article

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А.Ж. Мурадян, Г.А. Мурадян

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A Zh Muradyan, G Muradyan, H Hakobyan

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**Generalized Bloch states of a two-level atom in the field of counterpropagating waves:
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A. Zh. Muradyan, A. A. Poghosyan, P. R. Berman

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Stationary states of the Jaynes-Cummings model with atomic centre-of-mass quantum motion: analytical approximation to transfer counterpropagating waves into a standing wave in a large photon number limit

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Перетяжка каустики при резонансной самофокусировке с малым насыщением нелинейности

А. Ж. Мурадян

Квантовая Электроника (Quantum Electronics) 1986 1935-1938

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Atom diffraction by a standing wave: from Raman-Nath to Bragg and multi-beam atom interferometry

A. Muradyan

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Resonance Kapitza-Dirac Diffraction of an Atom in a Standing Wave as a Probe of Quantum Superposition Principle

A.Zh. Muradyan
