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## 📖 Публикации

### Статья

**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

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**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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**Polarimetric Light-Pulse Atom Interferometer: Two-Level Scheme** [Поляризиметрический светоимпульсный атомный интерферометр: двухуровневая схема]

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

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**Spin-dependent multichannel scattering of electron in a quantum wire**

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### Статья

**Far resonance Kapitza-Dirac diffraction: from Raman-Nath to Bragg and multiple beam atomic interferometer**

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**Absorptive Atom Interferometer**

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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**

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**On Quantum Tunneling of a Singular Potential**

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**Spontaneous Emission of a Semiconductor Quantum Dot without the Dipole Approximation**

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

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**Approximate Formula for Superposition State of two Level Atom and Large Number of Counterpropagating Photons**

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**Лазерные бегущие волны для дифракции Капицы-Дирака в атомном интерферометре**

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**Статья****Перетяжка каустики при резонансной самофокусировке с малым насыщением нелинейности**

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

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