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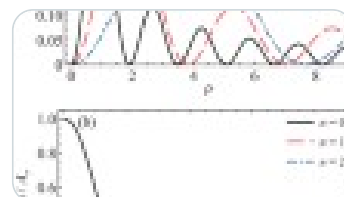


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Coherent Transition Radiation of a Hollow Bessel Beam

D. Yu. SergeevaA. A. Tishchenko

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First Law of de Sitter Thermodynamics

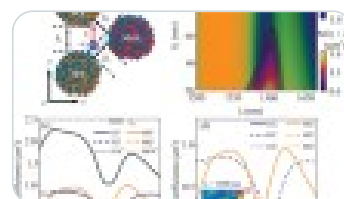
G. E. Volovik

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Spectrally Selective Metamirror Based on Trimers of Spherical Transition Metal Dichalcogenide Nanoparticles

A. V. ShesterikovM. Yu. GubinA. V. Prokhorov

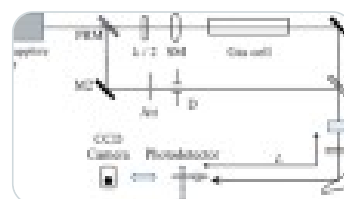
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Angular Distribution of the Intensity of a Mid-Infrared Femtosecond Radiation Source in a Nonlinear Crystal with a Signal Wave Formed in a Filament in a Gas

I. O. KinyaevskiyM. V. IoninYu. M. Andreev

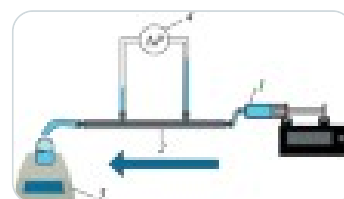
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Flow of Dilute Polymer Solutions Through a Channel with a Large Obstacle at Small Reynolds Numbers

I. Yu. KardashS. V. FilatovA. A. Levchenko

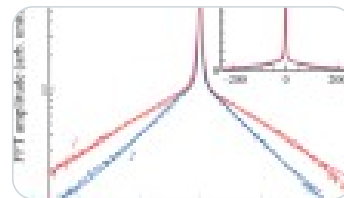
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Structural Transition in Dodecaborides According to NMR in LuB₁₂

O. M. VyaselevA. A. GippiusN. E. Sluchanko

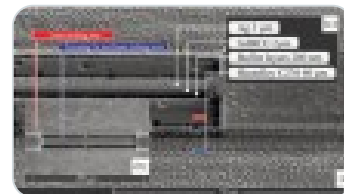
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Effect of Non-Stoichiometry of High-Temperature Superconductors of the Composition Gd_{1+x}Ba_{2-y}Cu₃O_{7-δ} on Vortex Pinning and on the Vortex Liquid–Glass Phase Transition

B. I. MassalimovV. A. VlasenkoA. V. Sadakov

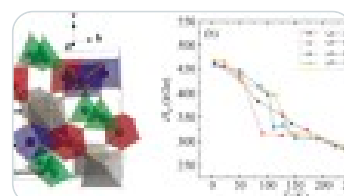
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Suppression of the Magnetic Transition in Ultrasmall ε-Fe₂O₃ Nanoparticles: the Size Effect from Nuclear Forward Scattering Data

Yu. V. KnyazevD. A. BalaevO. N. Martyanov

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Quantum Entanglement of Photon-Added Coherent States on a Beam Splitter

D. N. Makarov

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Preparation of Multiparticle Greenberger–Horne–Zeilinger States on ¹⁷¹Yb⁺ Ions for Frequency Standards

A. E. KorolkovI. V. ZalivakoN. N. Kolachevsky

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