

Լեզուների իմացություն

Հայերեն Русский English

Հրապարակումներ

Հոդված

Semi-Circular Parabolic System on Two-Dimensional Hyperboloid

G.S. Pogosyan, A.Yakhno

Physics of Particles and Nuclei 2024 667-671

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Geometric Collective Model of Atomic Nuclei: Finite Element Method Implementations

G. S. Pogosyan, A. A. Gusev, G. Chuluunbaatar, S. I. Vinitsky, A. Deveikis, P. O. Hess, L. L. Hai

Physics of Particles and Nuclei 2023 1011-1017

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Quantum Systems with Hidden Symmetry. Interbasis Expansions

L.G. Mardoyan, G.S. Pogosyan, A.N. Sissakian, V.M. Ter-Antonyan

arXiv.org 2023 1-210

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Separations of Variables and Analytic Contractions on Two-Dimensional Hyperboloids

G. S. Pogosyan, A. Yakhno

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On elliptic trigonometric form of the Zernike system and polar limits

Natig M Atakishiyev, George S Pogosyan, Kurt Bernardo Wolf, Alexander Yakhno

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Spherical geometry, Zernike's separability, and interbasis expansion coefficients

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Elliptic basis for the Zernike system: Heun function solutions

George S. Pogosyan, Natig M. Atakishiyev, Kurt Bernardo Wolf, Alexander Yakhno

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Superintegrable classical Zernike system

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Quantum superintegrable Zernike system

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Eigenfunction expansions in the imaginary Lobachevsky space

G.S.Poghosyan, Yu.A.Kurochkin, V.S.Otchik, D.R.Petrosian

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Kepler motion on single-sheet hyperboloid

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New separated polynomial solutions to the Zernike system on the unit disk and interbasis expansion

George S. Pogosyan, Kurt Bernardo Wolf, Alexander Yakhno

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Interbasis expansions in the Zernike system

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Harmonic Oscillator on the $SO(2; 2)$ Hyperboloid

George Pogosyan, David Petrosyan

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Quantum Oscillator Problem on $SO(2, 2)$ Hyperboloid

G.S.Pogosyan., D.R.Petrosyan

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Relation of the oscillator and Coulomb systems on spheres and pseudospheres

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Hidden symmetry, separation of variables and interbasis expansions in the two-dimensional hydrogen atom

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Գիտաժողովի նյութ

Zernike System Stems from Free Motion on the 3-Sphere

George S. Pogosyan, Kurt Bernardo Wolf, Natig M. Atakishiyev, Alexander Yakhno

Գիտաժողովի նյութ

The Superintegrable Zernike System

George S. Pogosyan, Natig M. Atakishiyev, Cristina Salto-Alegre, Kurt Bernardo Wolf, Alexander Yakhno

Գիտաժողովի նյութ

Symbolic-Numeric Algorithm for Computing Orthonormal Basis of $O(5) \times SU(1,1)$ Group

George S. Pogosyan, Algirdas Deveikis, Alexander A. Gusev, Vladimir P. Gerdt, Sergue I. Vinitsky,
Andrzej Gozdz, Aleksandra Pedrak, Cestmir Burdik
