

Գեղրգի Սամվելի Պողոսյան

Ֆիզիկայի ինստիտուտ

Հեռանկարային հետազոտությունների միջազգային կենտրոն
Կենտրոնի ղեկավար

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Լեզուների իմացություն

Հայերեն Ռուսական English

Հրապարակումներ

Հոդված

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

Հոդված

Separations of Variables and Analytic Contractions on Two-Dimensional Hyperboloids

G. S. Pogosyan, A. Yakhno

Physics of Particles and Nuclei 2019 87-140

Հոդված

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

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

Journal of Mathematical Physics 2019 101701

Հոդված

Elliptic basis for the Zernike system: Heun function solutions

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

Journal of Mathematical Physics 2018 073503(1-15)

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Superintegrable classical Zernike system

G.S.Poghosyan, K.B.Wolf, A.Yakhno

Journal of Mathematical Physics 2017 072901-22

<http://scitation.aip.org/content/aip/journal/jmp>

Հոդված

Quantum superintegrable Zernike system

G.S.Poghosyan, K.B.Wolf, A.Yakhno, C.Salto-Alegre

Journal of Mathematical Physics 2017 072101-21

Հոդված

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

G.S.Poghosyan, Yu.Kurochkin, V.S.Otchik, L.Mardoyan, D.R.Petrosyan

Physics of Atomic Nuclei 2017 739-746

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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

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

Journal of Mathematical Physics 2017 103505(1-20)

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

George Pogosyan, David Petrosyan

Symmetry Integrability and Geometry-Methods and Applications 2015 096

<http://www.emis.de/journals/SIGMA/>

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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

Armen Nersessian, George Pogosyan

Physical Review A 2001 020103(R) , 5 pa

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

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

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Spheroidal analysis of the hydrogen atom

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

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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
