

# Levon Grisha Mardoyan

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## Research Institute of Physics

International Center for Prospective Studies

Senior researcher

## Language skills

Հայերեն Русский English

## Publications

*Article*

### **БАЗИСЫ, МЕЖБАЗИСНЫЕ РАЗЛОЖЕНИЯ В ОБОБЩЕННОЙ ЗАДАЧЕ МИК-КЕПЛЕРА В НЕПРЕРЫВНОМ СПЕКТРЕ И ЗАДАЧА РАССЕЙЯНИЯ**

Л.Г.Мардоян

Теоретическая и математическая физика (Theoretical and Mathematical Physics) 2023 285-298

*Article*

### **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

*Article*

### **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

<http://link.springer.com/journal/11450>

*Article*

### **Relationship between quantum mechanics with and without monopoles**

Levon Mardoyan, Armen Nersessian, Armen Yeranyan

Physics Letters A 2007 30-35

<http://www.journals.elsevier.com/physics-letters-a>

*Article*

### **Dipole transitions and Stark effect in the charge-dyon system**

Levon Mardoyan, Armen Nersessian, Hayk Sarkisyan, Vahagn Yeghikyan

Journal of Physics A-Mathematical and Theoretical 2007 5973-5980

<http://iopscience.iop.org/journal/1751-8121>

*Article*

### **Hyperboloid, instanton, oscillator**

Levon Mardoyan, Armen Nersessian, Stefano Bellucci

Modern Physics Letters B 2006 137-141

<http://www.worldscientific.com/worldscinet/mplb>

*Article*

**Кольцеобразные функции и б<sub>j</sub>-символы Вигнера**

Л.Г.Мардоян

Теоретическая и математическая физика (Theoretical and Mathematical Physics) 2006 299-310

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*Article*

**Oscillator potential for the four-dimensional Hall effect**

Levon Mardoyan, Armen Nersessian

Physical Review B 2005 233303(

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*Article*

**The Stark effect in the charge dyon system**

Armen Nersessian, Levon Mardoyan, Mara Petrosyan

Theoretical and Mathematical Physics 2004 958-964

<http://link.springer.com/journal/11232>

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*Article*

**Charge-dyon bound system in the spherical quantum well**

L. G. Mardoyan, L. S. Petrosyan, H. A. Sarkisyan

Physical Review A 2003 014103

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*Article*

**The generalized MIC-Kepler system**

Levon Mardoyan

Journal of Mathematical Physics 2003 4981-4987

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*Article*

**Рассеяние электронов на дионе**

Л. Г. Мардоян

Теоретическая и математическая физика (Theoretical and Mathematical Physics) 2003 246-256

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*Article*

**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

Journal of Physics A: Mathematical and General (Journal of Physics A-Mathematical and Theoretical) 1985 021/ 455-466

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*Article*

**Spheroidal analysis of the hydrogen atom**

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

Journal of Physics A: Mathematical and General (Journal of Physics A-Mathematical and Theoretical) 1983 010/ 711-728

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