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Научно-исследовательский институт физики

Մալրոմոլեկուլների ֆիզիկայի լաբորատորիա

Научный сотрудник

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🌐 Знание языков

Հայերեն Русский English

🔬 Научные интересы

- Биофизика, Физика сложных систем, Статистическая физика, Квантовая термодинамика

📖 Публикации

Статья

Negative thermodynamic pressure: No-go theorem and yes-go examples

Varazdat Stepanyan

Physical Review E 2025 L042105

Статья

Energy densities in quantum mechanics

V. Stepanyan, A. E. Allahverdyan

Quantum 2024 1223

Статья

Thermal transitions in a one-dimensional, finite-size Ising model

Varazdat Stepanyan, Armen E Allahverdyan, Andreas F Tzortzakakis, David Petrosyan

Journal of Statistical Mechanics: Theory and Experiment 2024 033202

Статья

Sequence disorder-induced first order phase transition in confined polyelectrolytes

Y.Sh. Mamasakhlisov, V.F. Morozov, V. Stepanyan, A. Badasyan, R. Podgornik

Journal of Chemical Physics 2024 134906

Статья

No Bose-Einstein Condensation in Closed Systems with Linear Dynamics

Varazdat Stepanyan

Armenian Journal of Physics 2024 65-70

Статья

Photon cooling: Linear versus nonlinear interactions

V. Stepanyan, A. Hovhannisyan, A.E. Allahverdyan

Physical Review A 2022 032214

Статья

Helix-Coil Transition in Heterogeneous Biopolymers: Influence of Fixing Bond Scale

A. V. Asatryan, H. H. Mikayelyan, V. A. Stepanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 308-312

Статья

Thermodynamics of Physical Approximations to Non Deterministic Polynomial Complete Problems

V. A. Stepanyan, S. G. Khachatryan, S. A. Hovhannisyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 36-40

Статья

The Rouse Model of Viscoelasticity and Diffusion Behavior of Chromatin

Stepanyan V. A., Hayrapetyan A. A., Mamasakhlisov E.S

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 254-258
