

# Вараздат Артемович Степанян

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## Научно-исследовательский институт физики

Մալրոմոլեկուլների ֆիզիկայի լաբորատորիա

Научный сотрудник

## 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

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*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

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*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

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