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Education

Institution	Yerevan State University
Faculty	Chair of Theoretical Physics
Date	1962 - 1968
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	1990
Degree name	Professor

Work experience

Institution	Yerevan State University
Period of time	1967 till now
Rank/degree	professor

Publications

Article

Electromagnetic Wightman functions and vacuum densities for a brane intersecting the AdS boundary
A.A. Saharian, R.M. Avagyan, V.F. Manukyan

Nuclear Physics B 2026 117548

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Article

Effective potentials in general scalar-tensor theories of gravity
A. A. Saharian, G. H. Harutyunyan, H. K. Teryan, R. M. Avagyan

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Article

Fermionic vacuum stresses in models with toroidal compact dimensions
A. A. Saharian, R. M. Avagyan, G. H. Harutyunyan, G. H. Nikoghosyan

Astrophysics 2024 231-245

Article

Plane symmetric gravitational fields in (D+1)-dimensional General Relativity
R.M. Avagyan, T.A. Petrosyan, A.A. Saharian, G.H. Harutyunyan

Astrophysics 2024 405 - 419

Article

Topological Casimir effect in models with helical compact dimensions
R. M. Avagyan, A. A. Saharian, D. H. Simonyan, G. H. Harutyunyan

Astrophysics 2024 520–536

Study manual

Տեսական մեխանիկայի խնդիրների ժողովածու
Ռոլանդ Ավագյան, Արամ Սահարյան, Տիգրան Պետրոսյան

2024 244

Article

Motion of a Particle in the Field of an Infinite Flat Slab
R.M. Avagyan, A.A. Saharian, S.S. Jibilyan

Astrophysics 2023 411-422

Article

Cosmological Evolution With Negative Energy Densities
A.A. SAHARIAN, R.M. AVAGYAN, E.R. BEZERRA DE MELLO, V.KH. KOTANJYAN, T.A. PETROSYAN,

H.G. BABUJYAN

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Article

Dynamics of a cosmological model with a conformally-coupled scalar field
R. M. Avagyan, G. H. Harutunyan, A. S. Kotanjyan, A. V. Hovsepyan, A. A. Saharian

Astrophysics 2021 355-369

Article

ОБ УСКОРЕННОМ РАСШИРЕНИИ РАННЕЙ И ПОЗДНЕЙ ВСЕЛЕННОЙ В РАМКАХ СКАЛЯРНО-ТЕНЗОРНОЙ ТЕОРИИ ТЯГОТЕНИЯ.II
Р.М.Авакян, Г.Г.Арутюнян

Astrophysics 2018 141-152

http://www.flib.sci.am/eng/Astrophysics/V61Iss1_2018.html

Article

Qualitative Analysis of Cosmological Models in f(R)-Gravity
R. M. Avagyan, E. V. Chubaryan, G. H. Harutyunyan, A. A. Saharian

Communications of the Byurakan Astrophysical Observatory 2018 291-302

Article

Dynamics of the Quasi-de Sitter Model of the Early Universe

A.S. Kotanjyan, R.M. Avagyan, G.H. Harutunyan, N.A. Saharyan

Physics of Atomic Nuclei 2018 894-898

Article

Об ускоренном расширении ранней и поздней Вселенной в рамках скалярно-тензорной теории тяготения.
Г.Г.Арутюнян, Р.М.Авагян, С.В.Сушков

Astrophysics 2017 159-168

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Об одном сценарии расширения ранней Вселенной
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Article

Conformal Representations of the General Scalar-Tensor Theory and Cosmological Models
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Gravitation & Cosmology 2016 193-198

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Article

Qualitative evolution in f(R) cosmologies
R.M. Avagyan, E.V.Chubaryan, G.H. Harutyunyan, A.A.Saharian

General Relativity and Gravitation 2016 1-21

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Article

Representation of the evolution of the Universe in the JBD theory considering vacuum phenomena
G.H. Harutyunyan, R.M. Avagyan, A.S. Kotanjyan, A.V. Hovsepyan

Proceedings of Science 2016 019/1-8

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On a possible inflationary model of the early Universe
R.M. Avagyan, G.H.Harutyunyan, S.V. Sushkov

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Nucleation in pressure chamber as a rezult of a direct graphite-to-diamond transition.Stochastic appromaximation
G.H. Harutyunyan, R.M. Avagyan, A.N.Avagyan, A.V. Hovsepyan, M.S. Sakanyan

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SOME PROPERTIES OF STATIONARY GRAVITATIONAL FIELDS

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Late stage of the Universe evolution taking into account the vacuum effects

KOTANJYAN Anna, Prof. AVAGYAN Roland, Prof. HARUTYUNYAN Gohar, Prof. CHUBARYAN Edvard,

Prof. SUSHKOV Sergey

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