Viktor Karo Ohanyan

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Faculty of Mathematics and Mechanics
Chair of Probability Theory and Mathematical Statistics
Head of Chair (Professor)
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Chair of Probability Theory and Mathematical Statistics
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Faculty of Mathematics and Mechanics
Center for Mathematical and Applied Research
Laboratory of Mathematical Research
Senior Researcher

Education

Institution	Yerevan State University
Faculty	Mechanics and mathematics
Date	1966 - 1971
Degree name	Qualified specialist

Scientific Rank/degree

Date	1999
Degree name	Professor

Language skills

Հայերեն Русский English Deutsch

Work experience

Institution	Yerevan state university
Period of time	1975 till now
Rank/degree	Head of chair, professor

Publications

Article
Fourier Multispectral Transformer for Robust Hyperspectral Reconstruction and Remote Sensing Segmentation
Sargis Grigoryan, Hayk Gasparyan, Sos Agaian, Viktor Ohanyan

Pattern Recognition and Image Analysis 2026 72–83

Article

Orientation-Dependent Section Distributions for Convex Bodies

Ohanyan Viktor

Trends in Mathematics 2025 155-163

Article

Universal Portfolios: Bayesian Approximation

V. Ohanyan, V. Bardakhchyan, H. Kechejian

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2025 236-243

Article

On the Euclidean distance between two gaussian points and the normal covariogram of R^d

Ohanyan V. K., D. M. Martirosyan

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2024 38-46

Article

Portfolio Value-at-risk approximation for geometric Brownian motion

V. K. Ohanyan, H. Kechejian, V. G. Bardakhchyan

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2024 110-119

Article

Orientation-Dependent Chord length Distribution Functions of Bounded Convex Domains

V. K. Ohanyan, N. G. Aharonyan

Data Science and Reliable Machine Learning 2024 77-81

Conference

RECONSTRUCTION OF CONVEX BODIES BY PROBABILISTIC METHODS

Ohanyan V. K.

2024 21 - 21

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Conference

GENERALIZATION OF THE CONCEPT OF COVARIOGRAM FOR UNBOUNDED MEASURABLE SETS

V. K. Ohanyan

2024 75-76

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Article

On intersection probabilities of four lines inside a planar convex domain

Davit Martirosyan, Victor Ohanyan

Journal of Applied Probability 2023 504–527

Article

Investigation of Convex Bodies in R^3 by Support Planes

H. O. Harutyunyan, V. K. Ohanyan

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Conference

Reconstruction of bodies in R n using tomographic methods of stochastic geometry

V. Ohanyan

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Article

RELATION BETWEEN THE COVARIOGRAM AND DISTRIBUTION FUNCTION OF THE DISTANCE BETWEEN TWO UNIFORM AND INDEPENDENT POINTS

Victor K. Ohanyan, Vigen H. Khalatyan

Proceedings of the YSU A Physical and Mathematical Sciences 2022 33-42

Article

ALGORITHM OF CALCULATION OF COMBINED COMMODITY OPTIONS VALUE

V. K. OHANYAN, V. G. BARDAKHCHYAN, H. KECHEJIAN (USA)

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V. K. OHANYAN

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Article

LOSS FUNCTIONS AND DESCENT METHOD

V. K. Ohanyan, H. Z. Zohrabyan

Proceedings of the YSU A Physical and Mathematical Sciences 2021 29-35

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Covariograms and related concepts

V. K. Ohanyan

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Распределение длины случайного отрезка и ковариограма нечеткого выпуклого тела

В. К. Оганян, В. Г. Бардакчян, Е.И. Улитина

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On Poisson Mixture of Lognormal Distributions

H. Kechejian, V. K. Ohanyan, V. G. Bardakhchyan

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Orientation-Dependent Chord Length Distribution Function for Right Prisms with Rectangular or Right Trapezoidal Bases
V.K. Ohanyan, D. M. Martirosyan

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Article

COVARIOGRAM OF A RIGHT PARALLELEPIPED
V. K. OHANYAN, G. L. ADAMYAN

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Article

Fuzzification of convex bodies in Rn
Ohanyan V.K., Bardakhchyan V.G., Simonyan A.R., Ulitina E.I.

Программные системы и вычислительные методы 2019 1-10

Conference

TOMOGRAPHY PROBLEMS IN STOCHASTIC GEOMETRY
V. K. Ohanyan
2019 44-45

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Article

Calculation of Geometric Probabilities Using Covariogram of Convex Bodies
N. G. Aharonyan, V. K. Ohanyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2018 113-120

https://link.springer.com/journal/11957

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Covariogram of convex bodies and geometric probabilities
V. OHANYAN
2018 61-62

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ORIENTATION-DEPENDENT DISTRIBUTIONS OF CROSS-SECTIONS
V.K. Ohanyan
2018 104-105

http://math.sci.am/news/emil-artin-international-conference-launched-yerevan-st...

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Curran's Method for Approximating Arithmetic Average Option for Several Futures
Victor K. Ohanyan, Hagop Kechejian, Vardan G. Bardakhchyan

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Pattern Recognition by Cross Sections
Narine G. Aharonyan, Victor K. Ohanyan

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Monte Carlo Method for Geometric Average Options on Several Futures
Viktor Ohanyan, Hagop Kechejian, Vardan Bardakhchyan

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Moments of the distance between two random points
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Expected Value and the Laplace Transform of the Maximum for I.I.D. Exponentials
Victor K. Ohanyan, Alexander Thomasian

Modeling of Artificial Intelligence 2016 pp. 151-157

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Conference

Probabilistic characteristic of convex bodies depending on orientation
Victor Ohanyan
2016 32-36

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Distribution of random cross-sections of bodies
Victor Ohanyan
2016 95-96

Article

Orientation-Dependent Chord Length Distribution as a function of Maximal Chord
Victor Ohanyan, Ara Gasparyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2015 253-257

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Recognition of convex bodies by probabilistic methods
Victor Ohanyan
2015 72-73
