

Viktor Karo Ohanyan

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Faculty of Mathematics and Mechanics

Chair of Probability Theory and Mathematical Statistics

Head of the chair (professor)

Education

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

Scientific Rank/degree

Institution	Sankt Petersburg State university
Date	1999
Degree name	Professor
Specialty	Physico-mathematical sciences

Language skills

Հայերեն Русский English Deutsch

Work experience

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

Scientific interests

- Probability theory
- Mathematical statistics
- Stochastic and integral geomery

Publications

Article

Orientation-Dependent Section Distributions for Convex Bodies

Ohanyan Viktor

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 \mathbb{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

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 \mathbb{R}^3 by Support Planes

H. O. Harutyunyan, V. K. Ohanyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2023 101-104

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)

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2022 77 -- 84

Article

LOSS FUNCTIONS AND DESCENT METHOD

V. K. Ohanyan, H. Z. Zohrabyan

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

Article

Распределение длины случайного отрезка и ковариограмма нечеткого выпуклого тела

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

ՀՀ ԳԱԱ Տեղեկագիր, Մաթեմատիկա (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2020 43 - 56

Article

On Poisson Mixture of Lognormal Distributions

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

Lobachevskii Journal of Mathematics 2020 340-348

Article

Orientation-Dependent Chord Length Distribution Function for Right Prisms with Rectangular or Right Trapezoidal Bases

V.K. Ohanyan, D. M. Martirosyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2020 344 - 355

Article

COVARIOGRAM OF A RIGHT PARALLELEPIPED

V. K. OHANYAN, G. L. ADAMYAN

Proceedings of the YSU A. Physical and Mathematical Sciences 2019 101-108

Article

Fuzzification of convex bodies in R^n

Ohanyan V.K., Bardakhchyan V.G., Simonyan A.R., Ulitina E.I.

Программные системы и вычислительные методы 2019 1-10

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>

Article

Curran's Method for Approximating Arithmetic Average Option for Several Futures

Victor K. Ohanyan, Hagop Kechejian, Vardan G. Bardakhchyan

Modeling of Artificial Intelligence 2017 14-20

<http://ejournal11.com/>

Article

Pattern Recognition by Cross Sections

Narine G. Aharonyan, Victor K. Ohanyan

Modeling of Artificial Intelligence 2017 72-77

<http://ejournal11.com/>

Article

Monte Carlo Method for Geometric Average Options on Several Futures

Viktor Ohanyan, Hagop Kechejian, Vardan Bardakhchyan

Modeling of Artificial Intelligence 2016 88-93

<http://ejournal11.com/>

Article

Moments of the distance between two random points

Victor Ohanyan, Narine Aharonyan

Modeling of Artificial Intelligence 2016 64-70

<http://ejournal11.com/>

Article

Moments of the distance between two random points

Victor Ohanyan; n, N.G.Aharonyan

Modeling of Artificial Intelligence 2016 64-70

<http://ejournal11.com/>

Article

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

<http://ejournal11.com/>

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

<http://www.allertonpress.com/journals/sam.htm>

Conference

Recognition of convex bodies by probabilistic methods

Victor Ohanyan

Conference

Probabilistic characteristic of convex bodies depending on orientation

Victor Ohanyan

Conference

Distribution of random cross-sections of bodies

Victor Ohanyan

Conference

Covariogram of convex bodies and geometric probabilities

V. OHANYAN

Conference

ORIENTATION-DEPENDENT DISTRIBUTIONS OF CROSS-SECTIONS

V.K. Ohanyan

Conference

Calculation of Geometric Probabilities Using Covariogram of Convex Bodies

V. K. Ohanyan

Conference

Covariograms and related concepts

V. K. Ohanyan

Conference

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V. K. OHANYAN

Ematerial

FOUNDATION OF STOCHASTIC GEOMETRY

Victor K. Ohanyan

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ՎԻԿՏՈՐ ՕՀԱՆՅԱՆ

Conference

TOMOGRAPHY PROBLEMS IN STOCHASTIC GEOMETRY

V. K. Ohanyan

Conference

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

V. Ohanyan

Conference

RECONSTRUCTION OF CONVEX BODIES BY PROBABILISTIC METHODS

Ohanyan V. K.

Conference

GENERALIZATION OF THE CONCEPT OF COVARIOGRAM FOR UNBOUNDED MEASURABLE SETS

V. K. Ohanyan
