Karen Aleksander Keryan

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Faculty of Mathematics and Mechanics
Chair of Theory of Functions and Differential Equations
Assistant

Faculty of Mathematics and Mechanics
Chair of Theory of Functions and Differential Equations
Assistant

Faculty of Mathematics and Mechanics
Center for Mathematical and Applied Research
Group Leader

Education

Institution	Yerevan State University
Faculty	Faculty of Mathematics and Mechanics
Date	2007 - 2009
Degree name	PhD student

Institution	Yerevan State University
Faculty	Faculty of Mathematics and Mechanics
Date	2005 - 2007
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Mathematics and Mechanics
Date	2001 - 2005
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2018
Degree name	Doctor
Research Topic	Convergence, uniqueness and basis problems for orthonormal spline systems

Institution	Yerevan State University
Date	2009
Degree name	Candidate
Scientific Supervisor	Gevorkyan Gegham
Research Topic	Questions of basisness of general periodic Franklin system

Work experience

Institution	Supreme Certifying Committee
Period of time	2021 - 2023
Rank/degree	Chairman

Institution	American University of Armenia
Period of time	2015 - 2022
Rank/degree	Adjunct lecturer

Institution	Yerevan State University
Period of time	2008 till now
Rank/degree	Assistant professor

State awards and honorary titles

2018 RA Presidential Award

Publications

Article

Criterion for Divergence to +∞ for Multiple Ciesielski Series
Gegham G. Gevorkyan, Karen A. Keryan, Michael P. Poghosyan

Journal of Fourier Analysis and Applications 2026 1-23

https://www.scopus.com/pages/publications/105027440464?origin=resultslist

Article

Uniqueness of Series with Respect to the Bounded Ciesielski System
G. Gevorkyan, K. Keryan, M. Poghosyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2026 189 - 194

https://doi.org/10.3103/s106836232670010x

Article

Uniqueness of Ciesielski series with a subsequence of partial sums converging to a bounded function
G. Gevorkyan, K. Keryan

Studia Mathematica 2025 101-116

Article

A Uniqueness Theorem for Stromberg Series
G.G.Gevorkyan, K.A. Keryan, M.P.Poghosyan

Reports of NAS RA 2025 7-11

Article

Unconditionality of Periodic Orthonormal Spline Systems in : Sufficiency
K. Keryan, L. Hakobyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2024 163-186

Article

A uniqueness theorem for orthonormal spline series
K. Keryan, A. Khachatryan

Acta Mathematica Academiae Scientiarum Hungaricae 2024 20-48

Article

Periodic orthonormal spline systems with arbitrary knots as bases in H1(T)
K. Keryan, L. Hakobyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2023 33-42

Article

A uniqueness theorem for orthonormal spline series
K. A. Keryan, A. L. Khachatryan

Reports of NAS RA 2023 7-11

Article

A Uniqueness theorem for Franklin series
K. Keryan, A. Khachatryan

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2020 43-56

Article

CONVERGENCE TO INFINITY FOR ORTHONORMAL SPLINE SERIES
G. G. GEVORKYAN, K. A. KERYAN, M. P. POGHOSYAN

Acta Mathematica Academiae Scientiarum Hungaricae 2020 604-617

Article

Unconditionality of periodic orthonormal spline systems in Lp
K. Keryan, M. Passenbrunner

Studia Mathematica 2019 57-91

Article

Reconstruction of martingales and applications to multiple Haar series.
Karen Keryan, Mamikon Ginovyan

Studia Scientiarum Mathematicarum Hungarica 2018 542–558.

Article

О локальной эквивалентности мажоранты частичных сумм и функции Пэли для рядов Франклина
Геворкян Г.Г., Керян К.А.

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2017 47-58

http://jmath.sci.am/index.php/rus

Article

An example of double Fourier-Haar series with a nonregular subseries

K.A. Keryan
Proceedings of the YSU A Physical and Mathematical Sciences 2017 18-21

http://www.ysu.am/science/en/journals

Article

О базисности в H^1(R) ортонормальных систем сплайнов на R с нулевыми средними

K.A. Керян
Доклады НАН РА 2017 14-20

http://www.flib.sci.am/eng/Reports/Frame.html

Article

Теорема единственности для рядов Франклина

K.A. Керян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2017 26-38

http://jmath.sci.am/index.php/rus

Article

Uniqueness theorem for sequences of piecewise polynomial functions

K.A. Keryan
Armenian Journal of Mathematics 2017 28-34

http://www.flib.sci.am/eng/journal/Math/

Article

On recovery of a Franklin series from its sum

K.A. Keryan
Proceedings of the YSU A Physical and Mathematical Sciences 2017 151-157

Article

Orthonormal spline systems on R with zero means as bases in H^1(R)

K. Keryan
Analysis Mathematica 2017 581-601

Article

Об одной системе кусочно линейных функций с нулевыми интегралами

Геворкян Г.Г., Керян К.А.

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2016 3-16

http://jmath.sci.am/index.php/rus

Article

О безусловной базисности в H^1(R) системы функций Франклина с нулевыми средними

K.A. Керян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2016 43-71

http://jmath.sci.am/index.php/rus

Article

Теорема единственности для кратных рядов Чисельского

К.А. Керян

Доклады НАН РА 2016 263-270

http://www.flib.sci.am/eng/Reports/Frame.html

Article

Общая периодическая система Франклина как базис в пространстве B^1(T) .

К.А. Керян

Доклады НАН РА 2015 178-184

http://www.flib.sci.am/eng/Reports/Frame.html

Article

Unconditionality of orthogonal spline systems in

G. Gevorkyan, A. Kamont, K. Keryan, M.Passenbrunner

Studia Mathematica 2015 123-154

https://www.impan.pl/en/publishing-house/journals-and-series/studia-mathematica

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Article

Одна теорема единственности аддитивных функций и ее приложение к некоторым ортогональным рядам

К.А. Керян

Математические заметки 2015 382-396

http://www.mathnet.ru/php/journal.phtml?jrnid=mzm&option_lang=rus

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