Karen Aleksander Keryan

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

🎓 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
Specialty	Physico-mathematical sciences
Research Topic	Convergence, uniqueness and basis problems for orthonormal spline systems

Institution	Yerevan State University
Date	2009
Degree name	Candidate
Specialty	Physico-mathematical sciences
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
A Uniqueness Theorem for Stromberg Series
G.G.Gevorkyan, K.A. Keryan, M.P.Poghosyan

ՀՀ ԳԱԱ զեկույցներ 2025 7-11

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
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 Hungarica 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 Hungarica 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
К.А. Керян

Доклады НАН РА 2017 14-20

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

Article

Теорема единственности для рядов Франклина
К.А. 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

К.А. 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

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

К.А. Керян