

Karen Aleksander Keryan

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Faculty of Mathematics and Mechanics

Chair of Theory of Functions and Differential Equations

Assistant

Education

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

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

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

Scientific Rank/degree

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| Institution | Yerevan State University |
| Date | 2018 |
| Degree name | Doctor |
| Specialty | Physico-mathematical sciences |
| Research Topic | Convergence, uniqueness and basis problems for orthonormal spline systems |

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| 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

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| Institution | Supreme Certifying Committee |
| Period of time | 2021 - 2023 |

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| 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

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

Periodic orthonormal spline systems with arbitrary knots as bases in $H_1(T)$

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 L_p

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 $H^1(\mathbb{R})$ ортонормальных систем сплайнов на \mathbb{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 \mathbb{R} with zero means as bases in $H^1(\mathbb{R})$

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 $H^1(\mathbb{R})$ 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 $B^1(\mathbb{T})$.

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>

Article

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

К.А. Керян

Математические заметки (MATHEMATICAL NOTES) 2015 382-396

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