Karen Larik Avetisyan

Faculty of Mathematics and Mechanics
Chair of General Mathematics
Head of Chair (Professor)

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Chair of General Mathematics
Head of Chair (Professor)

Faculty of Mathematics and Mechanics
Center for Mathematical and Applied Research
Laboratory of Mathematical Research
Senior Researcher

23-71
(060) 71-03-71

avetkaren@ysu.am

Education

Institution	Yerevan State University
Faculty	Faculty of Mathematics
Date	1990 - 1993
Degree name	PhD student

Institution	Yerevan State University
Faculty	Faculty of Mathematics
Date	1983 - 1990
Degree name	Masters

Scientific Rank/degree

Institution	Yerevan State University
Date	2018
Degree name	Professor

Institution	Yerevan State University
Date	2000
Degree name	Associate professor

Institution	Yerevan State University
Date	2009
Degree name	Doctor
Research Topic	Weighted spaces of harmonic and holomorphic functions

Institution	Yerevan State University
Date	1996

Degree name	Candidate
Scientific Supervisor	F. Shamoyan
Research Topic	Classes of weighted integrable subharmonic functions on a disk and a half-plane

Language skills

English Русский

Work experience

Institution	Chair of General Mathematics, Yerevan State University
Period of time	2018 till now
Rank/degree	Professor, Head of the Chair

Institution	American University of Armenia
Period of time	2017 - 2019
Rank/degree	Adjunct Lecturer

Institution	Chair of General Mathematics, Yerevan State University
Period of time	2014 - 2018
Rank/degree	Head of the Chair

Institution	Chair of Higher Mathematics, Yerevan State University
Period of time	2000 - 2013
Rank/degree	Associate Professor

Institution	Institute of Mathematics, National Academy of Sciences of Armenia
Period of time	1996 - 2002
Rank/degree	Scientific Researcher

Institution	Chair of Higher Mathematics, Yerevan State University
Period of time	1994 - 2000
Rank/degree	Senior Lecturer

Institution	Chair of Higher Mathematics, Yerevan State University
Period of time	1993 - 1994
Rank/degree	Laboratory Assistant

Membership

Institution	Specialized Council 050

Period of time	2015 till now

Publications

Article

BOUNDED AND UNBOUNDED BERGMAN TYPE PROJECTIONS ON THE BLOCH SPACE

Karen Avetisyan

Journal of Classical Analysis 2025 47-–61

Article

Bergman Operators on Clifford Monogenic Bergman Spaces

Karen Avetisyan, Klaus Guerlebeck

Advances in Applied Clifford Algebras 2025 21 pages

Article

Some Harmonic Bergman-Type Projections on Besov and Bloch Spaces

Karen Avetisyan

Trends in Mathematics 2025 pp. 67-73

Article

Harmonic projections on Besov spaces in the real ball

Karen Avetisyan

Indian Journal of Pure and Applied Mathematics 2024 11 pp.

Article

On Bergman type operators on weighted monogenic Bergman spaces

K. Avetisyan, K. Guerlebeck

AIP Conference Proceedings 2024 260003

Article

Bergman type projection on Lipschitz spaces

K. Avetisyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2024 317—325

Article

Estimates for harmonic reproducing kernel and Bergman type operators on mixed norm and Besov spaces in the real ball

Karen Avetisyan

Annals of Functional Analysis 2023 29 pages

Article

НЕРАВЕНСТВА ТИПА МАРЦИНКЕВИЧА-ЗИГМУНДА В ВЕЩЕСТВЕННОМ ШАРЕ

К. Аветисян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2022 35-44

Article

Дробное интегрирование в весовых пространствах Лебега

К. Аветисян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2021 3-17

Article

Poisson—Bergman Type Operators on Lipschitz and Mixed Norm Spaces in the Real Ball

K.L. Avetisyan

Lobachevskii Journal of Mathematics 2019 1025–1033

Conference

On Bergman type operators on Lipschitz and mixed norm spaces over the real ball

AVETISYAN KAREN

2019 10-11

http://rus-cmc.sfedu.ru/

Conference

TWO-SIDED ESTIMATES FOR REPRODUCING KERNELS AND RELATED OPERATORS

Karen Avetisyan

2019 10 - 10

http://amu.sci.am/archives/2349

Article

NORMAL WEIGHTED BERGMAN TYPE OPERATORS ON MIXED NORM SPACES OVER THE BALL IN Cn

Karen L. Avetisyan, Albert I. Petrosyan

Journal of the Korean Mathematical Society 2018 313--326

http://jkms.kms.or.kr/

Article

On weighted Dirichlet spaces of monogenic functions in R^3

Karen Avetisyan, Klaus Guerlebeck

Mathematical Methods in the Applied Sciences 2018 9511-9528

Conference

On some Hardy-Littlewood type inequalities for weighted spaces in reduced quaternions

K. Avetisyan, K. Guerlebeck

2018 18

http://mergelyan-90.sci.am/

Conference

On bounded projections on Bloch and Lipschitz spaces over the real ball

K.L. Avetisyan

2018 6

http://math.sci.am/sites/default/files/Rus_Arm_2018_Poster.pdf

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Conference

Hadamard three spheres theorem for quaternion-valued functions

K. Avetisyan

2018 21

http://mathconf.sci.am/haa2018/

Conference

On harmonic projection operators on mixed norm spaces over the real ball

K. Avetisyan

2018 13 - 13

http://math.sci.am/conference/djrbashyan-100

Conference

On weighted Dirichlet spaces of quaternion-valued functions

Karen L. Avetisyan, Klaus Guerlebeck

2018 92-93

https://www.mathunion.org/fileadmin/IMU/ICM2018/static_site/portal/main.html

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Study manual

Լոկալ և պայմանական էքստրեմումներ

Կ. Ավետիսյան

2018 132

Article

Weighted spaces of harmonic functions in the unit ball

A.I. Petrosyan, K.L. Avetisyan

Proceedings of the YSU A Physical and Mathematical Sciences 2017 3-7

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

Conference

On harmonic conjugation problem in spaces of quaternion-valued functions

K.L. Avetisyan

2017 p. 12

http://amu.sci.am/archives/2034

Article

Операторы типа Бергмана на пространствах со смешанной нормой в шаре из C^n

К. Аветисян, Н. Гапоян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2016 3-12

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

Article

О некоторых операторах типа Бергмана с нормальными весами в шаре из C^n

К.Л. Аветисян, А.И. Петросян

Доклады НАН РА 2016 270-277

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

Conference

On normal weighted Bergman type operators on mixed norm spaces

K. L. Avetisyan, N. T. Gapoyan

2016 18

http://amu.sci.am/archives/2025

Article

Об операторе дробного интегродифференцирования в R^n

K. Аветисян, E. Тоноян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2015 3--16

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

Conference

On weighted Dirichlet spaces in the ball

K. Avetisyan

2015 16

http://amu.sci.am/archives/1978

Conference

On harmonic conjugates in weighted Dirichlet spaces of quaternion-valued functions

K. Avetisyan

2015 17--18

http://mathconf.sci.am/haa2015/