

# Grigori Artashes Karagulyan

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## Faculty of Mathematics and Mechanics

Chair of Theory of Functions and Differential Equations

Professor

## Language skills

Հայերեն Русский English

## Publications

*Article*

### **Sharp inequalities involving multiplicative chaos sums**

G. A. Karagulyan

Acta Mathematica Hungarica 2024 340-351

*Article*

### **On the convergence sets of operator sequences on spaces of homogeneous type (О множествах сходимости последовательностей операторов в пространствах однородного типа)**

G. A. Kharagulyan

Математический сборник (Sbornik Mathematics) 2024 1065 - 1090

*Article*

### **On wavelet polynomials and Weyl multipliers**

Grigori A. Karagulyan, Anna Kamont

Journal d'Analyse Mathematique 2023 529-545

*Article*

### **On the convergence of multiple ergodic means**

Grigori A. Karagulyan, Michael T. Lacey, Vahan A. Martirosyan

New York Journal of Mathematics 2022 1448-1462

*Article*

### **Probability inequalities for multiplicative sequences of random variables**

Grigori A. Karagulyan

Proceedings of the American Mathematical Society 2021 3725-3737

*Article*

### **The Fatou Property for General Approximate Identities on Metric Measure Spaces**

G. A. Karagulyan, I. N. Katkovskaya, V. G. Krotov

Математические заметки (MATHEMATICAL NOTES) 2021 196-209

*Article*

### **On good- $\lambda$ inequalities for couples of measurable functions**

Grigori A. Karagulyan

*Article*

**On logarithmic bounds of maximal sparse operators**

Michael T. Lacey, Grigori A. Karagulyan

Mathematische Zeitschrift 2020 1271-1281

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*Article*

**Menshov type correction theorems for sequences of compact operators**

Grigori A. Karagulyan

Constructive Approximation 2020 331-352

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*Article*

**On systems of non-overlapping Haar polynomials**

Grigori A. Karagulyan

ARKIV FOR MATEMATIK 2020 121-131

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*Article*

**Точная оценка нормы мажоранты переставленной тригонометрической системы**

Г. А. Карагулян

Успехи математических наук (Russian Mathematical Surveys) 2020 183-184

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*Article*

**On Weyl multipliers of the rearranged trigonometric system**

G.A.Karagulyan

Математический сборник (Sbornik Mathematics) 2020 1704-1736

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*Article*

**An exponential estimate for the cubic partial sums of multiple Fourier series**

G. A. Karagulyan, H. A. Mkoyan

IZVESTIYA MATHEMATICS 2019 83-96

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*Article*

**On a weak type estimate for sparse operators of strong type**

G. A. Karagulyan, G. Mnatsakanyan

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))

2019 36-44

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*Article*

**An abstract theory of singular operators**

Grigori A. Karagulyan

Transactions of the American Mathematical Society 2019 4761-4803

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*Article*

**On exponential summability of rectangular partial sums of double trigonometric Fourier series**

G. Karagulyan, U. Goginava

MATHEMATICAL NOTES 2018 655-665

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*Article*

**On an equivalence for differentiation bases of dyadic rectangles**

G. A. Karagulyan, D. A. Karagulyan, M. H. Safaryan

Colloquium Mathematicum 2017 295-307

<https://www.impan.pl/en/publishing-house/journals-and-series/colloquium-mathema...>

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*Article*

**On a theorem of Littlewood**

Karagulyan G. A., Safaryan M. H.

Hokkaido Mathematical Journal 2017 87-106

<http://hmj2.math.sci.hokudai.ac.jp/issues.html>

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*Article*

**On exceptional sets of Hilbert transform**

Grigori A. Karagulyan

Real Analysis Exchange 2017 1-17

<http://msupress.org/journals/raex/>

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*Article*

**On Convergence Properties of Tensor Products of Some Operator Sequences**

Grigori Karagulyan, György Gát

Journal of Geometric Analysis 2016 3066-3089

<https://link.springer.com/journal/12220>

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*Article*

**Divergent triangular sums of double trigonometric Fourier series**

G. A. Karagulyan, K. R. Muradyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2015 196-207

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

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