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Language skills

Русский English Español

Publications

Article

On the universal pair with respect to the generalized Walsh system

Sergo A. Episkoposian, Martin G. Grigoryan, Tigran M. Grigoryan

Advances in Operator Theory 2024 1-15

Article

Функции, почти универсальные в смысле знаков относительно тригонометрической системы и системы Уолша (Functions Almost Universal in the Sense of Signs with Respect to the Trigonometric System and the Walsh System)

Л. Н. Галоян, М. Г. Григорян

Математические заметки (MATHEMATICAL NOTES) 2024 935-939

Article

On the Convergence Fourier Series and Greedy Algorithm by Multiplicative System

Grigoryan, M. G., Grigoryan T.M, Simonyan L.S

Extended Abstracts 2021/2022: Trends in Mathematics 2024 117-123

Article

Об универсальных (в смысле знаков) рядах Фурье по системе Уолша [On universal (in the sense of signs) Fourier series with respect to the Walsh system]

M. G. Grigoryan

Математический сборник (Sbornik Mathematics) 2024 717-742

Article

Menshov-Type Theorem for Divergence Sets of Sequences of Localized Operators

M. G. Grigoryan, A. Kamont, A. A. Maranjyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2023 81-92

Article

On the existence and structure of universal functions for weighted spaces $L_{1\mu}[0,1]$

M. G. Grigoryan, A.A. Sargsyan

Итоги науки и техники. Современная математика и ее приложения. Тематические обзоры (Journal of Mathematical Sciences)

2023 1-16

Article

О рядах Фурье по кратной тригонометрической системе

М. Г. Григорян, С. В. Конягин

Успехи математических наук (Russian Mathematical Surveys) 2023 201–202

Article

On Universal Fourier Series in the Walsh System

Grigoryan M.G.

Siberian Mathematical Journal 2022 868–882

Article

On the Convergence of Negative-Order Cesàro Means of Fourier and Fourier-Walsh Series

Grigoryan, M.G

Математические заметки (MATHEMATICAL NOTES) 2022 476–479

Article

On Fourier Series Almost Universal in the Class of Measurable Functions

M. G. Grigoryan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2022 215–221

Article

О существовании и структуре универсальных (относительно тригонометрической системы) функций

М.Г. Григорян

СОВРЕМЕННЫЕ ПРОБЛЕМЫ ТЕОРИИ ФУНКЦИЙ И ИХ ПРИЛОЖЕНИЯ 2022 122-125

Article

ON ALMOST UNIVERSAL DOUBLE FOURIER SERIES

Grigoryan, Martin Gevorg

Труды института математики и механики УрО РАН (Trudy Instituta Matematiki i Mekhaniki UrO RAN) 2022 91-102

Article

ON THE CONVERGENCE OF BOCHNER-RIESZ'S SPHERICAL MEANS OF FOURIER DOUBLE INTEGRALS

M. G. GRIGORYAN, L. S. SIMONYAN

The Journal of the Indian Mathematical Society 2021 88–96

Article

О СУЩЕСТВОВАНИИ И СТРУКТУРЕ УНИВЕРСАЛЬНЫХ ФУНКЦИЙ

М. Г. Григорян

Доклады Российской академии наук. Математика, информатика, процессы управления (Doklady Mathematics) 2021 30-33

Article

Функции, универсальные относительно тригонометрической системы

М. Г. Григорян, Л. Н. Галоян

Известия РАН. Серия математическая (IZVESTIYA MATHEMATICS) 2021 73–94

Article

Approximations in L_1 with convergent Fourier series.

Martin Grigoryan, Zhirayr Avetisyan, Michael Ruzhansky

Mathematische Zeitschrift 2021 1907 - 1927

Article

ON UNCONDITIONAL AND ABSOLUTE CONVERGENCE OF THE HAAR SERIES IN THE METRIC OF $L_p[0, 1]$ WITH $0 < p < 1$

M. G. Grigoryan

Сибирский математический журнал (Siberian Mathematical Journal) 2021 607-615

Article

On the Divergence of Fourier Series in the General Haar System

M. G. Grigoryan, A. A. Maranjyan

Armenian Journal of Mathematics 2021 1-10

Article

О сходимости квадратичных частных сумм кратного ряда Франклина к бесконечности

Г.Г. Геворкян, М.Г. Григорян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2020 9-18

Article

Functions, universal with respect to the classical systems

Martin G. Grigoryan

Advances in Operator Theory 2020 1414 - 1433

Article

АБСОЛЮТНАЯ СХОДИМОСТЬ ДВОЙНЫХ РЯДОВ ФУРЬЕ -ФРАНКЛИНА

Г. Г. Геворкян, М. Г. Григорян

Сибирский математический журнал (Siberian Mathematical Journal) 2020 513-527

Article

Функции с универсальными рядами Фурье-Уолша

М.Г. Григорян

Математический сборник (Sbornik Mathematics) 2020 107-131

Article

UNIVERSAL FUNCTIONS WITH RESPECT TO THE DOUBLE WALSH SYSTEM FOR CLASSES OF INTEGRABLE FUNCTIONS

M. Grigoryan, A. Sargsyan

Analysis Mathematica 2020 367-392

Article

ON THE UNIFORM CONVERGENCE OF DOUBLE FOURIER-WALSH SERIES

G. G. GHAZARYAN, M. G. GRIGORYAN, A. L. GHAZARYAN

Proceedings of the YSU A. Physical and Mathematical Sciences 2020 20-28

Article

Universal Fourier Series

M. G. Grigoryan

MATHEMATICAL NOTES 2020 282-285

Article

ФУНКЦИИ УНИВЕРСАЛЬНЫЕ ОТНОСИТЕЛЬНО КЛАССИЧЕСКИХ СИСТЕМ

М. Г. Григорян

СОВРЕМЕННЫЕ ПРОБЛЕМЫ ТЕОРИИ ФУНКЦИЙ И ИХ ПРИЛОЖЕНИЯ 2020 137-144

Article

Функции универсальные относительно системы Уолша

М.Г.Григорян

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

2020 51-67

Article

Application of negative order Cesàro summability methods to Fourier-Walsh series of functions from $L^\infty[0,1]$

Martin Grigoryan, Levon Galoyan

Colloquium Mathematicum 2019 195-212

Article

Квазибезусловная базисность системы Фабера - Шаудера

Г.М. Григорян, В. Г. Кротов

Український математичний журнал (Ukrainian Mathematical Journal) 2019 210-219

Article

On Fourier series that are universal modulo signs

Martin Grigoryan, Levon Galoyan

Studia Mathematica 2019 215-231

Article

Convergence of Fourier-Walsh Double Series in Weighted $L_p \mu[0, 1]^2$

Martin G. Grigoryan, Tigran M. Grigoryan, L. S. Simonyan

Springer Proceedings in Mathematics & Statistics 2019 109-136

Article

On the structure of universal functions for classes $L_p[0,1]^2, p \in (0,1)$, with respect to the double Walsh system

Martin Grigoryan, Artsrun Sargsyan

Banach Journal of Mathematical Analysis 2019 647-674

Article

Universal functions for classes $L_p[0,1]^2, p \in (0,1)$, with respect to the double Walsh system

Martin Grigoryan, Artsrun Sargsyan

Positivity 2019 1261-1280

Article

Двойные универсальные ряды Фурье

М. Г. Григорян, Л. С. Симонян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))
2019 42-53

Article

On the Absolute Convergence of Fourier-Haar Series in the Metric of $L_p(0, 1)$, $0 < p < 1$

M. G. Grigoryan

Итоги науки и техники. Современная математика и ее приложения. Тематические обзоры (Journal of Mathematical Sciences)
2019 844-858

Article

ON THE UNIVERSAL FUNCTION FOR WEIGHTED SPACES $L_p [0; 1]$, $p < 1$

MARTIN GRIGORYAN, TIGRAN GRIGORYAN, ARTSRUN SARGSYAN

Banach Journal of Mathematical Analysis 2018 104-125

Article

On the universal functions

M.G. Grigoryan, L.N. Galoyan

Journal of Approximation Theory 2018 191-208

Article

The structure of universal functions for L_p -spaces, $p \in (0, 1)$

M. G. Grigoryan, A. A. Sargsyan

SBORNIK MATHEMATICS 2018 35-55

Article

On the L_1 -convergence and behavior of coefficients of Fourier-Vilenkin series

M. G. Grigoryan, S. A. Sargsyan

Positivity 2018 897-918

Article

Almost Everywhere Convergence of Greedy Algorithm with Respect to Vilenkin System

M. G. Grigoryan, S. A. Sargsyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2018 331-345

Article

ON BEHAVIOR OF FOURIER COEFFICIENTS AND UNIFORM CONVERGENCE OF FOURIER SERIES IN THE HAAR SYSTEM

M. G. GRIGORYAN, A. KH. KOBELYAN

Advances in Operator Theory 2018 781-793

Article

The Fourier-Faber-Schauder Series Unconditionally Divergent in Measure

M. G. Grigoryan, A. A. Sargsyan

Siberian Mathematical Journal 2018 835-842

Article

On the fourier-vilenkin coefficients

Stepan Sargsyan, Martin G. Grigoryan
Acta Mathematica Scientia 2017 1-9
<https://www.journals.elsevier.com/acta-mathematica-scientia/>

Article

Universal function for a weighted space $L_1 \mu[0, 1]$

Artsrun Sargsyan,, Martin Grigoryan

Positivity 2017 1-26

<https://link.springer.com/journal/11117>

Article

ON THE UNIVERSAL AND STRONG (L_1 ; L_1)-PROPERTY RELATED TO FOURIER{WALSH SERIES

Martin G. Grigoryan

Banach Journal of Mathematical Analysis 2017 15 pages

<https://www.emis.de/journals/BJMA/>

Monograph

Ряды по классическим системам

Мартин Григорян

2017 329

Article

О поведении коэффициентов Фурье по системе Уолша.

Григорян М.Г., Навасардян К.А.

ՀՀ ԳԱԱ Տեղեկագիր, Մաթեմատիկա (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))

2016 3-20

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

Article

Универсальные функции в задачах “исправления”, обеспечивающего сходимость рядов Фурье-Уолша

М. Г. Григорян, К. А. Навасардян

Известия РАН. Серия математическая (IZVESTIYA MATHEMATICS) 2016 65-91

<http://www.mathnet.ru/eng/izv>

Article

On the m-term best approximation of functions and greedy algorithm

Martin Grigroyan

International journal of pure mathematics 2016 26-33

<http://www.naun.org/cms.action?id=6985>

Article

On the L-strong and greedy property of trigonometric system

MARTIN GRIGORYAN

ADVANCES in MATHEMATICS and STATISTICAL SCIENCES. Proceedings of the 3rd International Conference on Mathematical, Computational and Statistical Sciences (MCSS '15)

2016 166-171

<http://www.wseas.us/e-library/conferences/2015/Dubai/MCSS/MCSS-00.pdf>

Article

On existence of a universal function for $L_p[0, 1]$ with $p \in (0, 1)$

M. G. Grigoryan, A. A. Sargsyan

Siberian Mathematical Journal 2016 796-808

<http://www.springer.com/mathematics/journal/11202>

Article

On the universal function for the class $L_p[0; 1]$; $p \in (0; 1)$,

M. G. Grigoryan, A.A.Sargsyan

Journal of Functional Analysis 2016 3111-3133.

<http://www.sciencedirect.com/science/journal/00221236>

Article

On the uniform convergence of negative order Cesaro means of Fourier series.

M.G. Grigoryan, L.N.Galoyan

Journal of Mathematical Analysis and Applications 2016 554-567

<http://www.journals.elsevier.com/journal-of-mathematical-analysis-and-applicati...>

Article

Universal functions in 'correction' problems guaranteeing the convergence of Fourier-Walsh series

M. G. Grigoryan, K.A.Navasardyan

IZVESTIYA MATHEMATICS 2016 1057-1083

<http://iopscience.iop.org/journal/1064-5632>

Article

On Behavior of Fourier Coefficients by Walsh System

M. G. Grigoryan, K.A.Navasardyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2016 1-13

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

Article

Convergence of Fourier series in classical systems

L.N Galoyan, M.G Grigoryan, A.Kh. Kobelyan

SBORNIK MATHEMATICS 2015 941-979

<http://iopscience.iop.org/journal/1064-5616>
