Research work of doctoral students

Scientific publications of doctoral students in the international scientific journals Web of Science

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	ISSN	paper impact-factor
Mechanics and Mathematics	Fundamental mathematics	Muratbekov M.B., Bayandiyev Ye. N.	Existence and maximal regularity of solutions in $L_2(R^2)$ for a hyperbolic type differential equation with quickly growing coefficients	Eurasian Mathematical Journal.	2020	V. 13, № 1.	P. 95-100.	2077-9879	Web of Science, 2018: IF = нет.
Mechanics and Mathematics	Fundamental mathematics	Persson L.E., Temirkhanova A.M., Omarbayeva B.	Weighted iterated discrete Hardy-type inequalities	J. Math. Inequalities and Appl.	2020	V.23, № 3.	P. 943–959.	1331-4343	Web of Science, 2019: IF = 1,51
Mechanics and Mathematics	Fundamental mathematics	Ospanov, K., Yesbayev, A.	Solvability and maximal regularity results for a differential equation with diffusion coefficien	Turkish journal of mathematics	2020	V.44, № 4.	P. 1304–1316.	1300-0098	Web of Science, 2019: IF = 0,658
Mechanics and Mathematics	Fundamental mathematics	Temirkhanova, A.M., Beszhanova, A.T., Stepanov, V.D.	Boundedness and compactness of a certain class of matrix operators	Eurasian Mat J	2020	V. 11, № 4.	P.66-75	2077-9879	

Scientific publications of doctoral students in international scientific journals Scopus

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	ISSN	paper impact-factor
Mechanics and Mathematics	Fundamental mathematics	Muratbekov M.B., Bayandiyev Ye. N.	Existence and maximal regularity of solutions in L2(R2) for a hyperbolic type	Eurasian Mathematical Journal.	2020	V. 13, № 1.	P. 95-100.	2077-9879	Cite Score – 0.41, SJR – 0.624.
Mechanics and Mathematics	Fundamental mathematics	Mazakov T. Zh., Jomartova Sh. A., Wojcik Waldemar, Ziyatbekova G. Z., Amirkhanov B. S., Zholmagambetova B.	Universal complex of psychophysiological testing	Series of geology and technical sciences	2020	2 (440)	P.14-23	2518-170X	0,09

Scientific publications of doctoral students in journals not included in the Web of Science and Scopus databases

a) in foreign journals (RSCI, etc.)

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	ISSN
Mechanics and Mathematics	Fundamental mathematics	Kasym A.S, Koshkarova B.S.	On a Schrödinger-Type Operator in a Weighted Space [In Russian]	The scientific heritage (Budapest, Hungary)	2020	V. 1, № 52.	19-22	9215 — 0365
Mechanics and Mathematics	Fundamental mathematics	Temirkhanova A.M., Beszhanova A.T,	Boundedness and compactness of a certain class of matrix operators with variale limits of summation	Eurasian Mathematical Journal	2020	in print		

б) in journals included in the list of KKSON MES RK

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	ISSN	
Mechanics and Mathematics	Fundamental mathematics	Мазаков Т.Ж., Букенов М.М., ЖолмагамбетоваБ.Р. Амирханов Б.Р.	Application of wavelet analysis for processing ecg signals [In Russian]	BULLETIN TO KazNITU	2020	№1	465-473	1680-9211	
Mechanics and Mathematics	Fundamental mathematics	Amirkhanov B.S., Zholmagambetova B.R., Dzhomartova Sh.A., Shormanov T.S.	BIOPYTHON algorithms [In Russian]	Bulletin of the Kazakh - British Technical University	2020	№ 1 (52)	105-112	1998-6688	
Mechanics and Mathematics	Fundamental mathematics	Dzhomartova Sh.A., Karymsakova N.T., Tursynbai A.T., Zholmagambetova B.R.	Applying interval analysis for manageability [In Russian]	BULLETIN TO KazNITU	2020	№ 2 (138)	516-521	1680-9211	
Mechanics and Mathematics	Fundamental mathematics	Zholmagambetova B.R. Mazakov T.Zh., Bukenov M.M., Izat A.Zh.	Electrocardiogram R-Peak Detection and Noise Reduction with Hybrid Linearization and Principal Component Analysis [In Russian]	Proceedings of the University, KSTU	2020	(№3)		1609-1825	РИНЦ 0,012 КазБЦ 0,033
Mechanics and Mathematics	Fundamental mathematics	Adieva A. Zh., Bayarystanov A.O.	On an overdetermined second-order weighted differential inequality of Hardy type [In Russian]	Bulletin of Al-Farabi KazNU. Series of mathematics, mechanics, computer science.	2020	№1 (105)	P.46-58	1563-0277	
Mechanics and Mathematics	Fundamental mathematics	Adieva A. Zh., Bayarystanov A.O.	Closure of compactly supported functions in one weighted Sobolev-type space [In Russian]	Bulletin of KazNPU named after Abai. Series "Physics and Mathematics".	2020	№1(69)	P.12-17	1728-7901	
Mechanics and Mathematics	Fundamental mathematics	Dzhumabayeva A.A., Zhetpisbaeva A.E.	The order of best approximation of functions in the Lebesgue space	Вестник КазНПУ им. Абая. Серия «Физико-математические науки».	2020	№1(69)	P.43-51	1728-7901	
Mechanics and Mathematics	Fundamental mathematics	Eskabylova Zh.B., Ospanov K.N.	Conditions for the coercive solution of nonlinear tertiary negative differential equations [In Kazakh]	Bulletin of KazNPU named after Abai. Series "Physics and Mathematics".	2020	№1(69)	P.62-67	1728-7901	
Mechanics and Mathematics	Fundamental mathematics	Myrzakul S.R., Myrzakulova Zh.R.	Gauge equivalence between the r-spin system and (2+1)-dimensional two-component nonlinear schrodinger equation	Bulletin of the NAS RK. Series "Physics and Mathematics".	2020	№ 2 (330).	P. 112-119.	1991-346X.	
Mechanics and Mathematics	Fundamental mathematics	Kalybai A., Keulimzhaeva Zh.A.	Equivalent norms of a space with multi-weight derivatives [In Russian]	Bulletin of KazNRTU named after K.I. Satpayev. Series "Physics and Mathematics".	2020	№. 2 (138).	P. 699-708.	1728-7901	
Mechanics and Mathematics	Fundamental mathematics	Kalybai A., Keulimzhaeva Zh.A.	Conditions for the existence of a trace of a function from a space with multi-weight derivatives at a singular point [In Russian]	Bulletin of KazNPU named after Abai. Series "Physics and Mathematics".	2020	№ 1 (69).	P. 123-128.	1728-7901	
Mechanics and Mathematics	Fundamental mathematics	Temirkhanova A.M. Omarbayeva B.	Weighted estimate of a class of quasilinear discrete operators: the case	Vestnik KazNRTU named after K. Satpayev.	2020	Vol. 140, № 4	P. 588-595.	1680-9211	
Mechanics and Mathematics	Fundamental mathematics	Omarbaeva B., Temirkhanova A.M.	A weighted estimate for one class of quasilinear discrete operators: the case [In Russian]	Bulletin of KazNPU named after Abai. Series "Physics and Mathematics".	2020	T. 67, №3	P. 109-116.	1563-0277	

Scientific publications of doctoral students in collections of conferences held in the Republic of Kazakhstan

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages
Mechanics and Mathematics	Fundamental mathematics	Abilkaeva Zh.N.	Features of the application of the factor-balance method for calculating the cost of services of enterprises [In Russian]	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "Science and Education - 2020". - Nur-Sultan	2020		P.1430-1434
Mechanics and Mathematics	Fundamental mathematics	Adieva A.Zh.	Description of the closure of compactly supported functions in one weighted Sobolev-type space [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. Almaty	2020		P. 68-69.
Mechanics and Mathematics	Fundamental mathematics	Zhetpisbaeva A.E.	About the best angle approximation [In Russian]	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "Science and Education - 2020". - Nur-Sultan	2020	ISBN 978-601-337-318-8.	P. 1244-1248.
Mechanics and Mathematics	Fundamental mathematics	Ospanov K.N., Esbaev A.N.	Conditions for the coercive solvability of a second-order degenerate differential equation [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. Almaty	2020		P. 181-182.

Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	country
Mechanics and Mathematics	Fundamental mathematics	Kalybai A.A., Karataeva D.P.	Strong oscillation of a second order quasilinear difference equation [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. Almaty	2020		P.92-93	
Mechanics and Mathematics	Fundamental mathematics	Kalybai A.A., Keulimzhaeva Zh.A.	Conditions for the existence of a trace of a function in a space with multiweighted derivatives [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. Almaty	2020		P. 181-182.	
Mechanics and Mathematics	Fundamental mathematics	Onerbek Zh.M., Adilkhanov A.N.	On the boundedness of the maximal and fractional maximal operator in global Morrey spaces with variable	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. Almaty	2020		P. 103-104.	
Mechanics and Mathematics	Fundamental mathematics	Seilbekov B.N.	Compactness of the fractional integration operator with a variable upper limit [In Russian]	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "Science and Education - 2020". - Nur-Sultan	2020	ISBN 978-601-337-318-8.	P. 1318-1324.	
Mechanics and Mathematics	Fundamental mathematics	Shaimardan S., Tokmagambetov N.S.	On the solutions of a fractional q-differential equation with the composite fractional q-derivative [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. - Almaty	2020		C.57-58	
Mechanics and Mathematics	Фундаментальная математика	Shaimardanuly Ye., Tokmagambetov N.S.	A fractional q differential equation with the q derivativ	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "Scie	2020	ISBN 978-601-337-318-8.	C.1342-1343	
Mechanics and Mathematics	Фундаментальная математика	Bokaev N.A., Khairkulova A.A., Turgunbaev M.Zh.	On the boundedness of the Riesz potential in global Orlicz-Morrie spaces [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan: abstracts. - Almaty	2020		P. 79-80.	
Mechanics and Mathematics	Fundamental mathematics	Bashirova A.N., Nursultanov E.D.	Multipliers of multiple Fourier Haar series of functions from anisotropic Lorentz spaces [In Russian]	International Scientific Conference "Ufa Autumn Mathematical School-2020". - Ufa.	2020	ISBN 978-5-00177-038-1.	P. 88-90	
Mechanics and Mathematics	Fundamental mathematics	Bashirova A.N.	On the inequality of different metrics for multiple Fourier-Haar series [In Russian]	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020". - Nur-Sultan.	2020	ISBN 978-601-332-892-8.	P. 19-20	
Mechanics and Mathematics	Fundamental mathematics	Beszhanova A.T., Temirkhanova A.M.	Weighted inequality of one class of matrix operators with variable summation limit [In Russian]	The traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan, dedicated to the 1150th anniversary of Abu Nasyr al-Farabi and the 75th	2020		P. 79	
Mechanics and Mathematics	Fundamental mathematics	Mukeyeva Zh.M.	Marcinkiewicz-type theorem for integral operators in anisotropic spaces	Collection of materials of the XV International Scientific Conference of Students and Young Scientists "Science and Education - 2020". - Nur-Sultan.	2020	ISBN 978-601-337-318-8.	P. 1298-1300.	
Mechanics and Mathematics	Fundamental mathematics	Mukeyeva Zh.M.	Marcinkiewicz's theorem for integral operators in anisotropic spaces [In Russian]	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020". - Nur-Sultan.	2020	ISBN 978-601-332-892-8.	P. 34-36.	
Mechanics and Mathematics	Fundamental mathematics	Khairkulova A.A. Adilkhanov A.N.	On the boundedness of the Riesz potential in global spaces of the Orlicz-Morrey type [In Russian]	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020". - Nur-Sultan.	2020	ISBN 978-601-332-892-8.	P.8-9	
Mechanics and Mathematics	Fundamental mathematics	Omarbaeva B.	Discrete Iterative Hardy-Type Inequalities with Three Weights [In Russian]	Traditional April International Mathematical Conference in honor of the Day of Science Workers of the Republic of Kazakhstan, dedicated to the 1150th anniversary of Abu Nasyr al-Farabi and the 75th anniversary of the Institute of Mathematics and Mathematical Modeling, Almaty.	2020		P. 101-102.	

			Scientific publications of doctoral students in collections of conferences of abroad					
Faculty	Department	Author	Publication title	Name of the journal	year	paper number	pages	country
Mechanics and Mathematics	Fundamental mathematics	Beszhanova A. T	Boundedness and compactness of a certain class of matrix operators with variable limits of summation	Национальный университет Узбекистана имени Мирзо Улугбека, Институт математики имени В.И.Романовского	2020		79-81	Узбекистан
Mechanics and Mathematics	Fundamental mathematics	Omarbaeva B.	Weighted estimate of one discrete quasilinear operator [In Russian]	Integration of Education, Science and Business in Modern Environment: Summer Debates: abstracts of the 2nd International Scientific and Practical Internet Conference, August 17-18, 2020. – Dnipro.	2020		P. 356-357.	Россия

			List of doctoral students who received prizes (I, II, III) in various scientific competitions, exhibitions, conferences in the Republic of Kazakhstan					
Faculty	Department	Phd student	№ group, course	Date of receipt of the award, diploma; Specify PRIZE place	Conference name	conference venue	Mobile phone	E-mail	link to the organizer's website
Mechanics and Mathematics	Fundamental mathematics	Seilbekov Bolat Nagashbekovich	PhD doctoral student 3 course	1 st degree diploma	XV International Scientific Conference of Students and Young Scientists "Science and Education-2020"	Nur-Sultan, ENU them. L.N. Gumilyov	8702-0000000	bolat_3084@mail.ru	enu.kz
Mechanics and Mathematics	Fundamental mathematics	Bashirova Anar Nabievna	6D2-60100-02, 3rd course	2 st degree diploma	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020". - Nur-Sultan	Nur-Sultan, Lomonosov Moscow State University, Kazakhstan branch	87477244341	anar_bashirova@mail.ru	https://www.msu.kz/
Mechanics and Mathematics	Fundamental mathematics	Onerbek Zhomart Muratovich	6D2-60100-02, 3rd course	2 st degree diploma	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020". - Kazakhstan branch	Nur-Sultan, Lomonosov Moscow State University, Kazakhstan branch	87072087953	onerbek.93@mail.ru	https://www.msu.kz/
Mechanics and Mathematics	Fundamental mathematics	Esbaev Adilet Nygmetovich	6D2-60100-02, 3rd course	3 st degree diploma	XVI International scientific conference of students, undergraduates and young scientists "Lomonosov-2020"	Nur-Sultan, Lomonosov Moscow State University, Kazakhstan branch	8 707 303 00 10	adilet.e@gmail.com	https://www.msu.kz/

			List of doctoral students participating in the implementation of funded research projects				
Faculty	Department	Phd student	№ group, course	Name of the project	Project position	Degree of participation	Head of the research project
Mechanics and Mathematics	Fundamental mathematics	Bashirova Anar Nabievna	6D2-60100-02, 3rd course	Function space methods and their applications in harmonic analysis	Junior researcher	0.5 rate	Mukanov A.B.