

Summary



BAIARYSTANOV ASKAR OINAROVICH

Professor of the Department of Higher Mathematics, Faculty of Mechanics and Mathematics LNGumilyov ENU

Contact information:

e-mail: Oskar_62@mail.ru
Tel.: +7 701 915 20 76

Professional experience in the field of education:

1986-1988 - Lecturer in the Department of Mathematics, Central State Pedagogical Institute; 1988-1989 - Intern at the Institute of Mechanics and Mathematics of the Kazakh National Academy; 1989-1992 - post-graduate student of the Institute of Mechanics and Mathematics of the Kazakh National Academy; 1992-1993 - Leading Engineer of the Mathematical Analysis Laboratory of the Institute of Mechanics and Mathematics; From 1993 to 2000 he worked as an assistant, senior lecturer at the Department of Mathematics of the Kazakh Transport Academy; 2000-2001 - senior teacher of the Academy of Internal Affairs; 2004-2011 - head. Chairs.; From 2011 to 2012 - Associate Professor of the Department of Natural Sciences and Vocational Education. From 2012 to 2014 - Associate Professor of the Department "Higher Mathematics and Mathematical Methods" of the Faculty of Mechanics and Mathematics of the L.N. L.N. Gumilyov. Since October 2014, ENU named after L.N. Gumilyov, acting professor of the department "Higher Mathematics" of the Faculty of Mechanics and Mathematics. 2001-2004 - Associate Professor of the Department of Higher Mathematics and Physics of KazNAU; 2004-2011 Head of the Department of Higher Mathematics and Physics of KazNAU. 2011-2012 Associate Professor of the Department of UND and PO KazNAU. Since September 2012 Professor of the Department of Higher Mathematics of the L.N. L.N. Gumilyov.

Gratitude of the Ministry of Education and Science of the Republic of Kazakhstan in 2018; Honorary diploma of the rector of the ENU. L.N. Gumilyov 2018; Best University Teacher 2020

In-service training:

1. The course "Modern pedagogical technologies", "Center for advanced training" "Orleu" MES RK, Almaty: "15.07.17-27.07.17.
2. "Panorama of pedagogical ideas", "Center for

- advanced training" "Orleu" MES RK, Almaty: 04.12.18.
3. "Innovative Educational Technologies and Didactic Models", L.N. Gumilyov Eurasian National University, Nur-Sultan: 06.04.20.-19.04.20.
 4. "Numerical skills of a modern teacher in distance learning", L.N. Eurasian National University. L.N. Gumilyov, Nur-Sultan: 09.11.20.-30.11.20.
 5. "Distance learning: the use of digital technologies in leading education", L.N. Eurasian National University. L.N. Gumilyov, Nur-Sultan: 13.09.21.-24.10.21.4. «Tamos Business Learning», Tamos Development LTD, 06.10.08.

Scientific degree, scientific school:

12/22/98. Candidate of Physical and Mathematical Sciences, SK No. 0004652. 03/06/06 Associate Professor of Physical and Mathematical Sciences, DK No. 0000437

PhD topic: "Weight estimates for fractional integration operators"

Research interests:

Necessary and sufficient conditions for the boundedness of various classes of integral operators in weighted function spaces.

Disciplines:

1. "Higher Mathematics 1", "Higher Mathematics 2"
2. "Math 1", "Math 2"

Research activities:

Currently, he is a senior researcher at the project "Investigation of linear, quasi-linear integral and discrete operators in weighted spaces". Wrote several scientific articles on this project and participated in scientific conferences.

Achievements: 38 scientific articles, 5 textbooks, 7 electronic textbooks, 10 textbooks, 4 manuals.

Scientific and educational works (selection):

1. A.O. Baiarystanov, L. E. Persson, S. Shaimardan, A. Temirkhanova «Some new Hardy–type inequalities in q -analysis» // Journal of mathematical inequalities Volume 10, Number 3 (2016), 761–781
2. A. M. Abylayeva, A.O. Baiarystanov, L.-E. Persson, P. Wall «Additive weighted L_p estimates of some classes of integral operators involving generalized Oinarov kernels» // Journal of mathematical inequalities Volume 11, Number 3 (2017), 683-694 September 2017
3. Oinarov R., Bayarystanov A.O., Aldai M. «A bilinear inequality for a class of operators of fractional integration» // Siberian Mathematical Journal, 2022, Vol. 63, No. 5, pp. 927–939
4. Bayarystanov A.O., Kalybay A.A., Ойнаров P. «Oscillatory and spectral properties of fourth-order differential operator and weighted differential inequality with boundary conditions» // <https://doi.org/10.1186/s13661-022-01659-1> SpringerOpen Journal 2022-C.1-21
5. Kalybay A.A., Bayarystanov A.O. “Exact estimate of norm of integral operator with Oinarov condition” // Institute of Mathematics and Mathematical Modeling KAZAKH MATHEMATICAL JOURNAL, 21(1) 2021, pp. 6-14 Almaty, Kazakhstan.
6. A. M. Abylaeva, B. N. Seilbekov, and A. O. Bayarystanov, Russ. "Compactness of one class of the fractional integration operator with a variable upper limit" // BULLETIN № 4 of the National Engineering Academy of the Republic of Kazakhstan (82) - P.117-127
7. Kalybay A.A., Bayarystanov A.O. "Differential inequality and non-oscillation of fourth order differential equation" // Bulletin of Karaganda University. Series Mathematics. No. 4 (104) 2021-S. 103-109
8. Bayarystanov A.O. "Higher Mathematics 1" 245b., "Higher Mathematics 2" 245b. By decision of RUMS. Textbook. Almaty: Nur-print, 2018.