

Semi-annual report of "Transactions of Azerbaijan National Academy of Science, series of physico -technical and mathematical sciences, issue mathematics" for the year of 2024

The site of the journal Transactions of Azerbaijan National Academy of Science, series of physico -technical and mathematical sciences, issue mathematics (sayt-www.trans.imm.az; e-mail-transactions@imm.az) is daily updated. The published papers are placed in the site. We regularly keep close relations with the members of the editorial board of the journal by e-mail. This year one issue of the journal (**44 (1), 2024-June**) was published and placed in the site. The works on publication of the next issue continue.

The journal has joined international agency as Jurnal Scopus, MathSciNet, Math-Net.Ru.

We keep close relations with foreign authors and do works this journal to find its place in international agencies as Thomson Reuters.

The papers published in vol. 44, № 1

MATHEMATICS issue

Fractional maximal operator associated with Schrodinger operator and its commutators on vanishing generalized Morrey spaces by Ali Akbulut, Suleyman Celik, Mehriban N.Omarova	3 – 19
Global attractors in a two-species chemotaxis system with two chemicals and variable logistic sources by Rabil Ayazoglu, Kamala A. Salmanova	20 – 30
On the basicity of one trigonometric system in Orlicz spaces by Bilal Bilalov, Yonca Sezer, Umit Ildiz, Tural Hagverdi	31 – 40
Boundedness of the anisotropic fractional maximal operator in total anisotropic Morrey spaces by Vagif S. Guliyev, Fatai A. Isayev, Ayhan Serbetci	41 – 50
On Riesz property and equivalent basis property of the system of root vector functions of Dirac-type operator by Vali M. Kurbanov, Elchin J. Ibadov	51 – 62

On recovering the source term for the heat equation with memory term by Vo Thi Thanh Ha, Nguyen Duc Phuong	63 – 78
Inverse problem for a system of Dirac-type equations with discontinuous coefficients by Hidayat M. Huseynov	79 – 82
Boundedness of Gegenbauer fractional maximal commutator on generalized Gegenbauer-Morrey spaces by Elman J.Ibrahimov, Gulgayit A.Dadashova, Seadet A. Jafarova	83 – 116
About uniform analogues of strongly paracompact and Lindelof spaces by B.E. Kanetov, D.E. Kanetova, M.K. Beknazarova	117 – 127
Eigenvalue asymptotics of a one-dimensional Schrodinger operator with confining potential by Agil Kh.Khanmamedov, Malika H. Makhmudova	128 – 131
Corrigendum to : "Some embeddings into the total Morrey spaces associated with the Dunkl operator on R^d " by Fatma A. Muslumova	132 – 132
On an example of Wiman-Valiron type application of general estimation in mathematical physics by Nadir M. Suleymanov, Dunya E.Farajli	133 – 138
Some fixed-point type theorems on parametric soft b-metric spaces by Kemale Veliyeva, Cigdem Gunduz Aras, Sadi Bayramov	139 – 150

Editor-in-chief

Corr. member of NASA, prof.V.S. GULIYEV