

List of Publications

Nurbek Kakharman

Publications

1. A Modified Cauchy Problem With Nonlocal Boundary Condition for a Degenerate Hyperbolic Equation, **Mathematical Methods in the Applied Sciences** (Q1), (2025). (with Kal'menov T.)
2. Growth properties of Hartley transform via moduli of continuity, **Journal of Pseudo-Differential Operators and Applications** (Q2), 15.4 (2024): 69. (with N. Tokmagambetov)
3. An overdetermined problem for elliptic equations, **AIMS Mathematics** (Q1), (2024), 9(8), 20627–20640. (with Kal'menov T.)
4. Rayleigh–Faber–Krahn and Hong–Krahn–Szegö-type inequalities for the absolute value of the heat operator, **Complex Variables and Elliptic Equations** (Q2), (2024). (Article in Press) (with Tulenov K.)
5. The Mixed Initial-Boundary Value Problem for Degenerate Hyperbolic Equation, **Trends in Mathematics**, 2024, 1, pp. 145–150.
6. On one-dimensional Helmholtz equation, **Journal of Mathematics, Mechanics and Computer Science**, 118.2 (2023): 21–29.
7. Mixed Cauchy problem with lateral boundary condition for noncharacteristic degenerate hyperbolic equations, **Boundary Value Problems** (Q1), 1 (2022): 1–11. (with Kal'menov T.)
8. Solution estimates for one class of elliptic and parabolic nonlinear equations, **Complex Variables and Elliptic Equations** (Q2), (2022): 1–10. (with Otelbaev M.)
9. On hyponormal and dissipative correct extensions and restrictions, **Mathematical Methods in the Applied Sciences** (Q1), 2022, 45(16), pp. 9049–9060. (with Tulenov K. and Zhumanova L.)
10. Two theorems on estimates for solutions of one class of nonlinear equations in a finite-dimensional space, **Bulletin of the Karaganda University-Mathematics** (2022). DOI: 10.31489/2022M3/70-84. (with Koshanov B. D., Segizbayeva R. U. and Sultangazyeva Zh. B.)
11. About root functions of periodic Sturm-Liouville problem, **Kazakh Mathematical Journal** (2019), V.19:1, pp. 31–38. (with Kal'menov T. and Sadybekov M.A.)

12. On the completeness of root vectors of regular boundary value problems for one-dimensional differential operators, **Kazakh Mathematical Journal** (2020), V.20:2, pp. 73–84. (with Kal'menov T.)