

# Nataliya Mayko

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Weighted Estimates of the Cayley Transform Method for Boundary Value Problems in a Banach Space. Numerical Functional Analysis and Optimization, 2021, 42, 211-233.	0.6	3
2	Weighted Estimates of the Cayley Transform Method for Abstract Differential Equations. Computational Methods in Applied Mathematics, 2021, 21, 53-68.	0.4	4
3	Weighted Estimates for Boundary Value Problems with Fractional Derivatives. Computational Methods in Applied Mathematics, 2020, 20, 609-630.	0.4	4
4	Super-Exponential Rate of Convergence of the Cayley Transform Method for an Abstract Differential Equation. Cybernetics and Systems Analysis, 2020, 56, 492-503.	0.4	0
5	Boundary Effect in Accuracy Estimate of the Grid Method for Solving Fractional Differential Equations. Cybernetics and Systems Analysis, 2019, 55, 65-80.	0.4	3
6	The Boundary Effect in the Accuracy Estimate for the Grid Solution of the Fractional Differential Equation. Computational Methods in Applied Mathematics, 2019, 19, 379-394.	0.4	6
7	The Finite-Difference Scheme of Higher Order of Accuracy for the Two-Dimensional Poisson Equation in a Rectangle with Regard for the Effect of the Dirichlet Boundary Condition. Cybernetics and Systems Analysis, 2018, 54, 624-635.	0.4	3
8	A Weighted Error Estimate for a Finite-Difference Scheme of Increased Approximation Order for a Two-Dimensional Poisson Equation with Allowance for the Dirichlet Boundary Condition. Cybernetics and Systems Analysis, 2018, 54, 130-138.	0.4	4
9	Improved Accuracy Estimates of the Difference Scheme for the Two-Dimensional Parabolic Equation with Regard for the Effect of Initial and Boundary Conditions. Cybernetics and Systems Analysis, 2017, 53, 83-91.	0.4	8
10	The Limiting Accuracy Characteristics for the Discrete Analog of Spectral Problem. Cybernetics and Systems Analysis, 2016, 52, 451-456.	0.4	1
11	Boundary Effect in the Error Estimate of the Finite-Difference Scheme for Two-Dimensional Poisson's Equation. Cybernetics and Systems Analysis, 2016, 52, 758-769.	0.4	7
12	Error Estimates of the Finite-Difference Scheme for a One-Dimensional Parabolic Equation with Allowance for the Effect of Initial and Boundary Conditions. Cybernetics and Systems Analysis, 2014, 50, 788-796.	0.4	6
13	Accuracy of the difference scheme of solving the eigenvalue problem for the Laplacian. Cybernetics and Systems Analysis, 2011, 47, 783-790.	0.4	3
14	Approximation theorems for operator exponential and cosine functions. Cybernetics and Systems Analysis, 2009, 45, 800-807.	0.4	1
15	Accuracy of Approximation of a Solution to an Abstract Cauchy Problem. Cybernetics and Systems Analysis, 2005, 41, 437-444.	0.4	1
16	Accuracy of Difference Approximation for an Eigenvalue Problem. Cybernetics and Systems Analysis, 2003, 39, 450-458.	0.4	3
17	Accuracy of the Richardson Extrapolation Method in Eigenvalue Problems. Cybernetics and Systems Analysis, 2000, 36, 879-890.	0.4	0
18	An estimate of the error for eigen functions in the eigenfunction problem for the operator of the linear elasticity theory. Journal of Mathematical Sciences, 2000, 102, 3809-3817.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Error bounds of eigenfunctions for a discrete analog of one spectral problem. Cybernetics and Systems Analysis, 1998, 34, 732-737.	0.4	0