

**Полугодовой отчёт журнала Труды Института
Математики и Механики за 2023 год**

За отчетный период вышел 1-ый номер 49-го тома журнала Труды Института Математики и Механики. В первом номере опубликовано 12 статей авторов из Азербайджана, Турции, Грузии и Франции.

В 1-й номер 49-го тома вошли следующие статьи:

<u>Optimization of the Nicoletti Boundary Value Problem for Second-order Differential Inclusions</u>	3 – 13
by Elimhan N. Mahmudov and Misir J. Mardanov	
<u>On basicity of perturbed system of exponents in Grand-Lebesgue spaces</u>	14 – 27
by Mıgdad I. İsmailov, Vafa Q. Alili and İlakha F. Aliyarova	
<u>Global bifurcation from zero in nondifferentiable perturbations of half-linear fourth-order eigenvalue problems</u>	28 – 37
by Masuma M. Mammadova	
<u>Difference approximation of the inverse problem of determining the highest coefficient in a parabolic equation with integral conditions</u>	38 – 49
by Rafiq K. Tagiyev and Shahla I. Maharramli	
<u>Long-run behavior of multivariate means</u>	50 – 59
by Nadia Hamida and Anis Rezgui	
<u>Some Parseval-Goldstein type identities with illustrative examples</u>	60 – 68
by Hilal Basak Karatas, Durmus Albayrak and Faruk Ucar	
<u>Commutators of classical operators in a new vanishing Orlicz-Morrey space</u>	69 – 77
by Fatih Deringoz, Kendal Dorak and Farah Mislir	
<u>Exponential Stability of BAM-type Neural Networks with Conformable Derivative</u>	78 – 94
by Aysen Kutahyalıoglu and Fatma Karakoc	
<u>Applications of Cesaro Submethod to Approximation of Functions in Weighted Orlicz Spaces</u>	95 – 108
by Sadulla Z. Jafarov	
<u>On the growth of m-th derivatives of algebraic polynomials in regions with corners in a weighted Bergman space</u>	109 – 153
by P. Ozkartepe and F. G. Abdullayev	
<u>The boundary value problem for one class of higher-order semilinear partial differential equations</u>	154 – 171
by S. Kharibegashvili and B. Midodashvili	

[Free rotational dynamics of an homogeneous ellipsoid with a stochastic flattening](#)

172 – 188

by Etienne Behar, Jacky Cresson and Frederic Pierret