

REPORT
on scientific Journal of the Institute of Mathematics and Mechanics of
Azerbaijan NAS – Transactions, issue Mechanics (series of physical-technical &
mathematical sciences) for the 2020

During the reporting period, the first issue of the new Journal - Transactions of Azerbaijan National Academy of Sciences (issue Mechanics) (series of physical-technical and mathematical Sciences) was formed and printed.

Journal's website was created at www.transmech.imm.az (email - transactions@imm.az) (ISSN) - 2706-7726 (printed) and 2706-7734 (on-line). Scientific articles submitted to the Journal posted on the web at <http://transmech.imm.az/inpress/>.

In 2020, 1 issue of the AMEA Transactions (issue Mechanics) journal were published. The first issue of 40 (7), 2020 was released in October 2020.

The following articles are published in the 7th issue of the journal:

1. Bakhtiyar M. Azizov, Jafar S. Mekhtiyev, Javashir A. Sultanov A mathematical model for accuracy improvement of determining the radiative characteristics of objects on the earth's surface.

2. Emin T. Bagirov On the dispersion of torsional waves in a "hollow cylinder+surrounding medium" system with inhomogeneous initial stresses.

3. Mahir A. Mehdiyev On the critical velocity of the moving load acting in the interior of the bi-layered hollow cylinder in the 3D dynamic state.

4. Geylani M. Panahov, Eldar M. Abbasov, Afet O. Yuzbashiyeva, Parviz T. Museibli Flow control of fluids through porous media based on electrokinetic effects.

5. On a method solving many-dimensional problems of mathematical physics by Mubariz B. Rasulov

6. Ismail R. Sadigov Axisymmetrical deformations of non-uniform rotation bodies about an axis.

7. Sevda Sh. Suleimanova Surface energy dissipation of an AC electric field in a semi-infinite electron plasma with mirror and diffuse boundary conditions.