

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 2022

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

In 2022, one issue of the journal AMEA Transactions (issue Mechanics) was published. The first issue of 42 (7), 2022 was released in July 2022.

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

1. **Ali B. Aliyev and Kamala R. Rahimova** Waves established during viscous fluid flow in elastic tube
2. **Tahir J. Mammadov** Normal impact by asymmetric wedge on a flexible elastic thread
3. **Rafail K. Mekhtiev and Alekber K. Mekhdiev** Longitudinal shear of a piecewise homogeneous medium in the case when the binder and inclusions are weakened by doubly periodic rectilinear cracks
4. **Sahib A. Piriyeu and Taleh V. Shirinov and Ali B. Aliyev** On mathematical modeling of the damageability of a cylindrically isotropic thick pipe in a complex stress state
5. **Ismail R. Sadigov** Torsional stability of a shell
6. **Geylani M. Panahov and Babek N. Sultanov** Cyclic shock wave in soil and determination of changes in stresses and displacements
7. **Javad M. Tabatabaei** Vibrations of longitudinally stiffened elastic medium-contacting cylindrical shells
8. **Gurbanali J. Veliyev** The influence of the material properties of the inhomogeneously pre-stressed hollow cylinder contained compressible inviscid fluid on the dispersion of the axisymmetric waves propagating
9. **Aybeniz Yagnaliyeva** A boundary Harnack inequality for degenerate singular nonlinear parabolic equations
10. **In memory of professor Vagif Mirsalimov**