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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of elasticity problem for the radially inhomogeneous transversely isotropic sphere**
Akhmedov N., Yusubova S. M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.45, no.16, pp.10162-10186, 2022 (SCI-Expanded)
- II. **Asymptotic behavior of the solution of an axisymmetric problem of elasticity theory for a sphere with variable elasticity modules**
Akhmedov N., Gasanova N. S.
MATHEMATICS AND MECHANICS OF SOLIDS, vol.25, no.12, pp.2231-2251, 2020 (SCI-Expanded)
- III. **Asymptotic analysis of three-dimensional problem of elasticity theory for radially inhomogeneous transversally-isotropic thin hollow spheres**
Akhmedov N., AVEY A.
THIN-WALLED STRUCTURES, vol.139, pp.232-241, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **The asymptotic solution of the elasticity theory problem for a radially inhomogeneous cylinder**
Akhmedov N.
Partial Differential Equations in Applied Mathematics, vol.11, 2024 (Scopus)
- II. **Construction of exact and asymptotic solutions for the problem of torsional vibrations of a radially inhomogeneous sphere**
Akhmedov N.
Partial Differential Equations in Applied Mathematics, vol.9, 2024 (Scopus)
- III. **CONSTRUCTION OF HOMOGENEOUS SOLUTIONS OF THE TORSION PROBLEM FOR A RADIALLY INHOMOGENEOUS TRANSVERSELY ISOTROPIC CYLINDER**
Akhmedov N.
Eastern-European Journal of Enterprise Technologies, vol.1, no.7(127), pp.22-29, 2024 (Scopus)
- IV. **ON THE PROBLEM OF THE THEORY OF ELASTICITY FOR THE RADIALLY INHOMOGENEOUS TRANSVERSAL ISOTROPIC CYLINDER WITH A FIXED LATERAL SURFACE**
Akhmedov N., Akbarova S.
Advanced Mathematical Models and Applications, vol.9, no.1, pp.110-120, 2024 (Scopus)
- V. **THE DEVELOPMENT OF A PIEZOELECTRIC DEFECT DETECTION DEVICE THROUGH MATHEMATICAL MODELING APPLIED TO POLYMER COMPOSITE MATERIALS**

Hasanov M., Akhmedov N., Bashirov R., Piriev S., Boiprav O., Ismailov N.

NEW MATERIALS COMPOUNDS AND APPLICATIONS, vol.8, no.1, pp.62-74, 2024 (ESCI)

- VI. **CONSTRUCTION OF A HOMOGENEOUS SOLUTION TO THE ELASTICITY THEORY PROBLEM FOR AN INHOMOGENEOUS TRUNCATED TRANSVERSALLY ISOTROPIC CONE**
Akhmedov N.
Eastern-European Journal of Enterprise Technologies, vol.1, no.7(121), pp.21-31, 2023 (Scopus)
- VII. **Axisymmetric Problem of the Elasticity Theory for the Radially Inhomogeneous Cylinder with a Fixed Lateral Surface**
Akhmedov N.
JOURNAL OF APPLIED AND COMPUTATIONAL MECHANICS, vol.7, no.2, pp.598-610, 2021 (ESCI)
- VIII. **BEHAVIOR OF SOLUTION OF THE ELASTICITY PROBLEM FOR A RADIAL INHOMOGENEOUS CYLINDER WITH SMALL THICKNESS**
Akhmedov N., Akbarova S.
Eastern-European Journal of Enterprise Technologies, vol.6, no.7(114), pp.29-42, 2021 (Scopus)
- IX. **Analysis of axisymmetric problem from the theory of elasticity for an isotropic cylinder of small thickness with alternating elasticity modules**
Akhmedov N., Akbarova S., Ismayilova J.
Eastern-European Journal of Enterprise Technologies, vol.2, no.7-98, pp.13-19, 2019 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **ASYMPTOTIC ANALYSIS OF THE TORSION PROBLEM FOR THE THREE-LAYER CYLINDER OF SMALL THICKNESS WITH SOFT AGGREGATE**
Akhmedov N.
7th International Conference on Control and Optimization with Industrial Applications (COIA), ELECTR NETWORK, 26 - 28 August 2020, pp.59-61

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Publication: 13

Citation (Scopus): 48

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