

Prof. SURKAY D.AKBAROV

Personal Information

Office Phone: [+90 212 383 2909](tel:+902123832909)

Email: akbarov@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/akbarov>

International Researcher IDs

ORCID: 0000-0001-6886-6247

ScopusID: 7007031237

Yoksis Researcher ID: 198372

Foreign Languages

Russian, C1 Advanced

English, C1 Advanced

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Mechanical Engineering, Machine Theory and Dynamics, Mechanical Vibrations, Mechanical, Fracture Mechanics, Finite Element Methods, Continuous Mechanics, Mathematics, Partial Differential Equations, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Makina, Makina Mühendisliği, 1993 - Continues

Courses

ELASTİSİTE TEORİSİNE GİRİŞ, Doctorate, 2016 - 2017

MÜHENDİSLİK MATEMATİĞİ, Postgraduate, 2016 - 2017

PLAK TİTREŞİMLERİNİN ANALİZİNDE NÜMERİK VE YAKLAŞIK YÖNTEMLER, Doctorate, 2016 - 2017

Advising Theses

Sezer S., AKBAROV S., Piezoelektrik katmanlı öngerilmeli sistemlerde yüzey ve lamb dalgalarının dispersiyonu, Doctorate, İ.KURT(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Axisymmetric forced vibration of the hydro-elastic system consisting of a pre-strained highly elastic plate and compressible viscous fluid**
D.AKBAROV S., Imamaliyeva J. N.

Journal of Sound and Vibration, vol.598, 2025 (SCI-Expanded)

- II. **Dispersion of axisymmetric longitudinal waves propagating in an inhomogeneous prestressed hollow cylinder immersed in an inviscid compressible fluid**
D.AKBAROV S., Bagirov E. T.
Journal of Sound and Vibration, vol.569, 2024 (SCI-Expanded)
- III. **THE INFLUENCE OF THE INHOMOGENEOUS INITIAL STRESSES IN THE HOLLOW CYLINDER CONTAINING AN INVISCID FLUID ON THE DISPERSION OF THE QUASI-SCHOLTE WAVES PROPAGATING IN THIS CYLINDER**
D.AKBAROV S., Valiyev G., Aliyev S. A., Khankishiyev Z.
Applied and Computational Mathematics, vol.23, no.1, pp.18-39, 2024 (SCI-Expanded)
- IV. **Dispersion of the axisymmetric waves propagating in the hydro-elastic system consisting of the pre-strained highly elastic plate, compressible inviscid fluid, and rigid wall**
D.AKBAROV S., Bagirov E. T.
ARCHIVE OF APPLIED MECHANICS, vol.93, no.2, pp.861-879, 2023 (SCI-Expanded)
- V. **The influence of the coupling effect of physical-mechanical fields on the forced vibration of the hydro-piezoelectric system consisting of a PZT layer and a viscous fluid with finite depth**
Kuzeci Z. E., D.AKBAROV S.
Structural Engineering and Mechanics, vol.85, no.2, pp.247-263, 2023 (SCI-Expanded)
- VI. **Vibration of a Two-Layer "Metal+PZT" Plate Contacting with Viscous Fluid**
Kuzeci Z. E., D.AKBAROV S.
Computers, Materials and Continua, vol.74, no.2, pp.4337-4362, 2023 (SCI-Expanded)
- VII. **The dispersion of the axisymmetric waves propagating in the pre-strained highly elastic plate under bi-lateral contact with a fluid**
D.AKBAROV S., Bagirov E.
WAVES IN RANDOM AND COMPLEX MEDIA, 2022 (SCI-Expanded)
- VIII. **3D Nonaxisymmetric Local Stability Loss of a Hollow Cylinder Made of an Anisotropic Viscoelastic Material**
D.AKBAROV S., Anwar M. Y., KÜTÜĞ Z.
MECHANICS OF COMPOSITE MATERIALS, vol.58, no.4, pp.483-498, 2022 (SCI-Expanded)
- IX. **Attenuation of quasi-Lamb waves in a hydroelastic system "elastic plate plus compressible viscous fluid plus rigid wall"**
D.AKBAROV S., Negin M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.81, no.4, pp.443-459, 2022 (SCI-Expanded)
- X. **Mathematical modeling of the dynamics of a hydroelastic system-A hollow cylinder with inhomogeneous initial stresses and compressible fluid**
Akbarov S. D., Sevdimaliyev Y. M., Valiyev G. J.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.44, no.9, pp.7858-7872, 2021 (SCI-Expanded)
- XI. **Dispersion of Torsional Waves in a Hollow Bilayered Cylinder with Initial Inhomogeneous Thermal Stresses**
Akbarov S., Bagirov E. T.
MECHANICS OF COMPOSITE MATERIALS, vol.57, no.2, pp.161-180, 2021 (SCI-Expanded)
- XII. **The dispersion of the axisymmetric longitudinal waves propagating in the bi-layered hollow cylinder with the initial inhomogeneous thermal stresses**
Akbarov S., Bagirov E. T.
WAVES IN RANDOM AND COMPLEX MEDIA, 2021 (SCI-Expanded)
- XIII. **Torsional wave dispersion in a bi-layered hollow cylinder with inhomogeneous initial stresses caused by internal and external radial pressures**
Akbarov S. D., Bagirov E. T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.77, no.5, pp.571-586, 2021 (SCI-Expanded)
- XIV. **DYNAMICS OF THE MOVING RING-LOAD ACTING IN THE INTERIOR OF THE BI-LAYERED HOLLOW CYLINDER WITH IMPERFECT CONTACT BETWEEN THE LAYERS**

- Akbarov S., Mehdiyev M. A., Zeynalov A. M.
TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.12, no.2, pp.223-242, 2021 (SCI-Expanded)
- XV. **The Influence of Imperfect Contact Conditions between Layers of a Hollow Sandwich Sphere on its Natural Frequencies**
Sevdimaliyev Y. M., Akbarov S., Yahnioğlu N.
MECHANICS OF COMPOSITE MATERIALS, vol.56, pp.541-554, 2020 (SCI-Expanded)
- XVI. **ON THE NATURAL OSCILLATION OF AN INHOMOGENEOUSLY PRE-STRESSED MULTILAYERED HOLLOW SPHERE FILLED WITH A COMPRESSIBLE FLUID**
Sevdimaliyev Y. M., Akbarov S., Guliyev H. H., Yahnioglu N.
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.19, no.1, pp.132-146, 2020 (SCI-Expanded)
- XVII. **3D FEM Analysis of Buckling Delamination of a Piezoelectric Sandwich Rectangular Plate with Interface Edge Cracks**
Aylıkcı F., Akbarov S., Yahnioğlu N.
MECHANICS OF COMPOSITE MATERIALS, vol.55, no.6, pp.797-810, 2020 (SCI-Expanded)
- XVIII. **Dispersion of axisymmetric longitudinal waves in a "hollow cylinder plus surrounding medium" system with inhomogeneous initial stresses**
Akbarov S. D., Bagirova E. T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.72, no.5, pp.597-615, 2019 (SCI-Expanded)
- XIX. **Influence of prestress on the natural frequency of a fluid-filled FGM sphere**
Akbarov S., Çilli A., Yahnioğlu N.
EMERGING MATERIALS RESEARCH, vol.8, no.4, pp.663-667, 2019 (SCI-Expanded)
- XX. **On attenuation of the seismic Rayleigh waves propagating in an elastic crustal layer over viscoelastic mantle**
Negin M., AKBAROV S.
JOURNAL OF EARTH SYSTEM SCIENCE, vol.128, no.7, 2019 (SCI-Expanded)
- XXI. **3D Dynamics of the Oscillating-Moving Load Acting in the Interior of the Hollow Cylinder Surrounded with Elastic Medium**
Akbarov S., Mehdiyev M. A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.71, no.6, pp.713-738, 2019 (SCI-Expanded)
- XXII. **The influence of the rheological parameters on the dispersion of the flexural waves in a viscoelastic bi-layered hollow cylinder**
Kocal T., AKBAROV S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.71, no.5, pp.577-601, 2019 (SCI-Expanded)
- XXIII. **Axisymmetric longitudinal wave dispersion in a bi-layered circular cylinder with inhomogeneous initial stresses**
Akbarov S., Bagirov E. T.
JOURNAL OF SOUND AND VIBRATION, vol.450, pp.1-27, 2019 (SCI-Expanded)
- XXIV. **Forced Vibration of the Non-Homogeneously Pre-Stressed System Consisting of the Hollow Cylinder and Surrounding Medium**
Akbarov S., Bagirov E. T.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.121, pp.315-348, 2019 (SCI-Expanded)
- XXV. **Dynamics of the Moving Ring Load Acting in the System "Hollow Cylinder plus Surrounding Medium" with Inhomogeneous Initial Stresses**
Akbarov S. D., Bagirov E. T., ÖZİŞİK M.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.61, no.2, pp.503-534, 2019 (SCI-Expanded)
- XXVI. **Buckling delamination of a PZT/Metal/PZT sandwich rectangular thick plate containing interface inner band cracks**
Aylıkcı F., Akbarov S., Yahnioglu N.
COMPOSITE STRUCTURES, vol.202, pp.9-16, 2018 (SCI-Expanded)
- XXVII. **FORCED VIBRATION OF THE HYDRO-VISCOELASTIC AND -ELASTIC SYSTEMS CONSISTING OF THE VISCOELASTIC OR ELASTIC PLATE, COMPRESSIBLE VISCOUS FLUID AND RIGID WALL: A REVIEW**

- Akbarov A.
Applied And Computational Mathematics, vol.17, pp.221-245, 2018 (SCI-Expanded)
- XXVIII. **The influence of initial stresses on energy release rate and total electro-mechanical potential energy for penny-shaped interface cracks in PZT/Elastic/PZT sandwich circular plate-disc**
AKBAROV S., Cafarova F., YAHNIOĞLU N.
SMART STRUCTURES AND SYSTEMS, vol.22, no.3, pp.259-276, 2018 (SCI-Expanded)
- XXIX. **Three-dimensional dynamics of the moving load acting on the interior of the hollow cylinder surrounded by the elastic medium**
AKBAROV S., MEHDIYEV M. A., OZISIK M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.67, no.2, pp.185-206, 2018 (SCI-Expanded)
- XXX. **The Influence of the Viscoelasticity on the Axisymmetric Wave Attenuation in a bi-Material Solid Cylinder**
KOÇAL T., AKBAROV S.
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.135-138, 2018 (SCI-Expanded)
- XXXI. **The Discrete-Analytical Solution Method for Investigation Dynamics of the Sphere with Inhomogeneous Initial Stresses**
AKBAROV S., Guliyev H. H., Sevdimaliyev Y. M., YAHNIOĞLU N.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.55, no.2, pp.359-380, 2018 (SCI-Expanded)
- XXXII. **Influence of initial stresses on the critical velocity of the moving load acting in the interior of the hollow cylinder surrounded by an infinite elastic medium**
AKBAROV S., Mehdiyev M. A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.66, no.1, pp.45-59, 2018 (SCI-Expanded)
- XXXIII. **The influence of the rheological parameters of a hydro-viscoelastic system consisting of a viscoelastic plate, viscous fluid and rigid wall on the frequency response of this system**
AKBAROV S., ISMAILOV M. I.
JOURNAL OF VIBRATION AND CONTROL, vol.24, no.7, pp.1341-1363, 2018 (SCI-Expanded)
- XXXIV. **THE EFFECT OF VISCOSITY OF A FLUID ON THE FREQUENCY RESPONSE OF A VISCOELASTIC PLATE LOADED BY THIS FLUID**
Zamanov A. D., Ismailov M. I., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.54, no.1, pp.41-52, 2018 (SCI-Expanded)
- XXXV. **The Influence of the Imperfectness of Contact Conditions on the Critical Velocity of the Moving Load Acting in the Interior of the Cylinder Surrounded with Elastic Medium**
ÖZİŞİK M., MEHDIYEV M. A., Akbarov S.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.54, no.2, pp.103-136, 2018 (SCI-Expanded)
- XXXVI. **Calculation and 3D analyses of ERR in the band crack front contained in a rectangular plate made of multilayered material**
DINCEL A. T., AKBAROV S.
OPEN CHEMISTRY, vol.16, no.1, pp.516-519, 2018 (SCI-Expanded)
- XXXVII. **The Interface Stress Field in the Elastic System Consisting of the Hollow Cylinder and Surrounding Elastic Medium Under 3D Non-Axisymmetric Forced Vibration**
AKBAROV S., Mehdiyev M. A.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.54, no.1, pp.61-81, 2018 (SCI-Expanded)
- XXXVIII. **Generalized Rayleigh Wave Dispersion in a Covered Half-space Made of Viscoelastic Materials**
AKBAROV S., Negin M.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.53, no.4, pp.307-341, 2017 (SCI-Expanded)
- XXXIX. **The forced vibration of the system consisting of an elastic plate, compressible viscous fluid and rigid wall**
AKBAROV S., ISMAILOV M. I.
JOURNAL OF VIBRATION AND CONTROL, vol.23, no.11, pp.1809-1827, 2017 (SCI-Expanded)
- XL. **Forced vibration of the elastic system consisting of the hollow cylinder and surrounding elastic medium under perfect and imperfect contact**

AKBAROV S., Mehdiyev M. A.

Structural Engineering and Mechanics, vol.62, no.1, pp.113-123, 2017 (SCI-Expanded)

- XLII. **Three-dimensional analysis of the natural vibration of the three-layered hollow sphere with middle layer made of FGM**
AKBAROV S., GULIYEV H. H., YAHNIOĞLU N.
Structural Engineering and Mechanics, vol.61, no.5, pp.563-576, 2017 (SCI-Expanded)
- XLIII. **Buckling delamination of the PZT/Metal/PZT sandwich circular plate-disc with penny-shaped interface cracks**
Cafarova F. I., AKBAROV S., YAHNIOĞLU N.
Smart Structures and Systems, vol.19, no.2, pp.163-179, 2017 (SCI-Expanded)
- XLIV. **On the attenuation of the axisymmetric longitudinal waves propagating in the bi-layered hollow cylinder made of viscoelastic materials**
Kocal T., AKBAROV S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.61, no.1, pp.143-160, 2017 (SCI-Expanded)
- XLV. **Mathematical modelling and 3D FEM analysis of the influence of initial stresses on the ERR in a band crack's front in the rectangular orthotropic thick plate**
Dincel A., AKBAROV S.
Computers, Materials and Continua, vol.53, no.3, pp.249-270, 2017 (SCI-Expanded)
- XLVI. **Near-surface waves in a system consisting of a covering layer and a half-space with imperfect interface under two-axial initial stresses**
AKBAROV S., Negin M.
JOURNAL OF VIBRATION AND CONTROL, vol.23, no.1, pp.55-68, 2017 (SCI-Expanded)
- XLVII. **On the dispersion of the axisymmetric longitudinal wave propagating in a bi-layered hollow cylinder made of viscoelastic materials**
AKBAROV S., Kocal T., KEPCELER T.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.100, pp.195-210, 2016 (SCI-Expanded)
- XLVIII. **Dynamics of the oscillating moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall**
AKBAROV S., ISMAILOV M. I.
STRUCTURAL ENGINEERING AND MECHANICS, vol.59, no.3, pp.403-430, 2016 (SCI-Expanded)
- XLIX. **On the total electro-mechanical potential energy and energy release rate at the interface crack tips in an initially stressed sandwich plate-strip with piezoelectric face and elastic core layers**
AKBAROV S., YAHNIOĞLU N.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, pp.119-130, 2016 (SCI-Expanded)
- L. **INFLUENCE OF THE INTERACTION BETWEEN FIBERS PERIODICALLY LOCATED IN A COMPOSITE MATERIAL ON THE DISTRIBUTION OF STRESSES IN IT**
Akbarov S., Köşker R., Uçan Y.
MECHANICS OF COMPOSITE MATERIALS, vol.52, pp.243-256, 2016 (SCI-Expanded)
- L. **The influence of the initial stresses on Lamb wave dispersion in pre-stressed PZT/Metal/PZT sandwich plates**
Kurt İ., Akbarov S., Sezer S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.58, pp.347-378, 2016 (SCI-Expanded)
- LI. **Natural vibration of the three-layered solid sphere with middle layer made of FGM: three-dimensional approach**
AKBAROV S., Guliyev H. H., YAHNIOĞLU N.
STRUCTURAL ENGINEERING AND MECHANICS, vol.57, no.2, pp.239-263, 2016 (SCI-Expanded)
- LII. **Dispersion of Axisymmetric Longitudinal Waves in A Bi-Material Compound Solid Cylinder Made of Viscoelastic Materials**
AKBAROV S., Kocal T., KEPCELER T.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.51, no.2, pp.105-143, 2016 (SCI-Expanded)
- LIII. **FREQUENCY RESPONSE OF A PRE-STRESSED METAL ELASTIC PLATE UNDER COMPRESSIBLE VISCOUS**

FLUID LOADING

AKBAROV S., ISMAILOV M. I.

APPLIED AND COMPUTATIONAL MATHEMATICS, vol.15, no.2, pp.172-188, 2016 (SCI-Expanded)

- LIV. **Lamb wave dispersion in a PZT/metal/PZT sandwich plate with imperfect interface**
Kurt İ., Akbarov S., Sezer S.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.26, pp.301-327, 2016 (SCI-Expanded)
- LV. **On the Discrete-Analytical Solution Method of the Problems Related to the Dynamics of Hydro-Elastic Systems Consisting of a Pre-Strained Moving Elastic Plate, Compressible Viscous Fluid and Rigid Wall**
AKBAROV S., PANAKHH P. G.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.108, no.2, pp.89-112, 2015 (SCI-Expanded)
- LVI. **Time-Harmonic Lamb Problem for a System Consisting of a Prestressed Piezoelectric Covering Layer and a Prestressed Half-Plane**
Akbarov S., İlhan N., Koç N.
MECHANICS OF COMPOSITE MATERIALS, vol.51, no.4, pp.427-436, 2015 (SCI-Expanded)
- LVII. **EFFECT OF IMPERFECT CONTACT ON THE DISPERSION OF GENERALIZED RAYLEIGH WAVES IN A SYSTEM CONSISTING OF A PRESTRESSED LAYER AND A PRESTRESSED HALF-PLANE**
AKBAROV S., Negin M., Ipek C.
MECHANICS OF COMPOSITE MATERIALS, vol.51, no.3, pp.397-404, 2015 (SCI-Expanded)
- LVIII. **On the torsional wave dispersion in a hollow sandwich circular cylinder made from viscoelastic materials**
AKBAROV S., KEPCELER T.
APPLIED MATHEMATICAL MODELLING, vol.39, no.13, pp.3569-3587, 2015 (SCI-Expanded)
- LIX. **Influence of an Imperfection of Interfacial Contact on the Dispersion of Flexural Waves in a Compound Cylinder**
Akbarov S., Ipek C.
MECHANICS OF COMPOSITE MATERIALS, vol.51, no.2, pp.191-198, 2015 (SCI-Expanded)
- LX. **3D dynamics of a prestressed stratified half-space under the action of an oscillating moving load**
AKBAROV S., ILHAN N., Temugan A.
APPLIED MATHEMATICAL MODELLING, vol.39, no.1, pp.1-18, 2015 (SCI-Expanded)
- LXI. **Dynamics of the moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall**
AKBAROV S., Ismailov M.
Computers, Materials and Continua, vol.45, no.2, pp.75-105, 2015 (SCI-Expanded)
- LXII. **Generalized Rayleigh Wave Dispersion Analysis in a Pre-stressed Elastic Stratified Half-space with Imperfectly Bonded Interfaces**
Negin M., AKBAROV S., Erguven E.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.42, no.1, pp.25-61, 2014 (SCI-Expanded)
- LXIII. **Time-Harmonic Lamb Problem for a System Consisting of an Imperfectly Bonded Orthotropic Covering Layer and an Orthotropic Half-Plane**
Akbarov S., ILHAN N.
MECHANICS OF COMPOSITE MATERIALS, vol.50, no.2, pp.177-186, 2014 (SCI-Expanded)
- LXIV. **Axisymmetric time-harmonic Lamb's problem for a system comprising a viscoelastic layer covering a viscoelastic half-space**
Akbarov S.
MECHANICS OF TIME-DEPENDENT MATERIALS, vol.18, no.1, pp.153-178, 2014 (SCI-Expanded)
- LXV. **Forced Vibrations of a System Consisting of a Pre-strained Highly Elastic Plate under Compressible Viscous Fluid Loading**
AKBAROV S., ISMAILOV M. I.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.97, no.4, pp.359-390, 2014 (SCI-Expanded)
- LXVI. **Flexural Wave Dispersion in Bi-material Compound Solid and Hollow Circular Cylinders**

- AKBAROV S.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.97, no.5, pp.407-424, 2014 (SCI-Expanded)
- LXVII. **A 3D FEM Analysis of Buckling Delamination of a Rectangular Plate with an Inner Rectangular Crack under a Biaxial Compressive Force**
AKBAROV S., YAHNIOĞLU N., KARATAŞ E. E.
MECHANICS OF COMPOSITE MATERIALS, vol.49, no.6, pp.585-594, 2014 (SCI-Expanded)
- LXVIII. **Buckling Delamination of a Rectangular Viscoelastic Sandwich Plate Containing Interface Inner Cracks**
Akbarov S., Yahnioğlu N., Tekin A.
JOURNAL OF ENGINEERING MECHANICS, vol.140, no.1, pp.134-148, 2014 (SCI-Expanded)
- LXIX. **Buckling delamination of a rectangular sandwich plate containing inner cracks under biaxial loading**
Akbarov S., Yahnioğlu N., Tekin A.
MECHANICS OF COMPOSITE MATERIALS, vol.49, no.5, pp.537-550, 2013 (SCI-Expanded)
- LXX. **Time-harmonic Lamb's problem for a system comprising a piezoelectric layer and piezoelectric half-plane**
AKBAROV S., ILHAN N.
JOURNAL OF SOUND AND VIBRATION, vol.332, no.21, pp.5375-5392, 2013 (SCI-Expanded)
- LXXI. **Buckling delamination of a sandwich plate-strip with piezoelectric face and elastic core layers**
AKBAROV S., YAHNIOĞLU N.
APPLIED MATHEMATICAL MODELLING, vol.37, pp.8029-8038, 2013 (SCI-Expanded)
- LXXII. **On the Axisymmetric Time-harmonic Lamb's Problem for a System Comprising a Half-space and a Covering Layer with Finite Initial Strains**
AKBAROV S.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.95, no.3, pp.143-175, 2013 (SCI-Expanded)
- LXXIII. **Microbuckling of a doublewalled carbon nanotube embedded in an elastic matrix**
AKBAROV S.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.50, pp.2584-2596, 2013 (SCI-Expanded)
- LXXIV. **Forced Vibration of the Pre-Stressed and Imperfectly Bonded Bi-Layered Plate Strip Resting on a Rigid Foundation**
AKBAROV S., HAZAR E., ERÖZ M.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.36, no.1, pp.23-48, 2013 (SCI-Expanded)
- LXXV. **On the influence of initial strains in layers on the propagation of torsional waves in a hollow sandwich cylinder (soft core and stiff face layers)**
Akbarov S., KEPCELER T., Egilmez M. M.
MECHANICS OF COMPOSITE MATERIALS, vol.49, no.3, pp.297-304, 2013 (SCI-Expanded)
- LXXVI. **Flexural wave dispersion in finitely pre-strained solid and hollow circular cylinders made of compressible materials**
AKBAROV S.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.92, no.4, pp.387-421, 2013 (SCI-Expanded)
- LXXVII. **Buckling delamination of elastic and viscoelastic composite plates with cracks: Survey II (Axisymmetric and 3D problems)**
Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.49, no.1, pp.97-106, 2013 (SCI-Expanded)
- LXXVIII. **Buckling delamination of elastic and viscoelastic composite plates with cracks. Survey I: solution method and problems related to the plane strain state**
AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.48, no.6, pp.681-692, 2013 (SCI-Expanded)
- LXXIX. **On Axisymmetric Longitudinal Wave Propagation in Double-Walled Carbon Nanotubes**
AKBAROV S.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.33, no.1, pp.63-85, 2013 (SCI-Expanded)
- LXXX. **A 3D FEM analysis of stress concentrations around two neighboring cylindrical holes in a**

- prestressed rectangular composite plate under bending**
AKBAROV S., YAHNIOĞLU N., YEŞİL Ü.
MECHANICS OF COMPOSITE MATERIALS, vol.48, no.5, pp.499-510, 2012 (SCI-Expanded)
- LXXXI. **The Influence of Third Order Elastic Constants on Axisymmetric Wave Propagation Velocity in the Two-Layered Pre-Stressed Hollow Cylinder**
AKBAROV S.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.32, no.1, pp.29-60, 2012 (SCI-Expanded)
- LXXXII. **3D Analyses of the symmetric local stability loss of the circular hollow cylinder made from viscoelastic composite material**
AKBAROV S., Karakaya S.
Applied Mathematical Modelling, vol.36, no.9, pp.4241-4260, 2012 (SCI-Expanded)
- LXXXIII. **Dispersion of Axisymmetric Longitudinal Waves in a Pre-Strained Imperfectly Bonded Bi-Layered Hollow Cylinder**
AKBAROV S., Ipek C.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.30, no.2, pp.99-144, 2012 (SCI-Expanded)
- LXXXIV. **On the Some Particularities of the Torsional Wave Dispersion in a Finitely Pre-Deformed Hollow Sandwich Cylinder**
AKBAROV S., KEPCELER T., EGILMEZ M. M.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.30, no.1, pp.83-97, 2012 (SCI-Expanded)
- LXXXV. **3D FEM Analysis of the Buckling Delamination of a Rectangular Viscoelastic Composite Plate with an Embedded Rectangular Crack Under Two-Axial Compression**
AKBAROV S., YAHNIOĞLU N., KARATAŞ E. E.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.30, no.1, pp.1-18, 2012 (SCI-Expanded)
- LXXXVI. **3D analyses of the global stability loss of the circular hollow cylinder made from viscoelastic composite material**
AKBAROV S., KARAKAYA S.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.33, pp.48-66, 2012 (SCI-Expanded)
- LXXXVII. **Local Buckling Delamination of a Rectangular Sandwich Plate Containing Interface Embedded Rectangular Cracks and Made From Elastic and Viscoelastic Materials**
Akbarov S., YAHNIOĞLU N., Tekin A.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.29, no.1, pp.41-74, 2012 (SCI-Expanded)
- LXXXVIII. **3D Analysis of the Forced Vibration of a Prestressed Rectangular Composite Plate with Two Neighboring Cylindrical Cavities**
SURKHAY A., YAHNIOĞLU N., YEŞİL Ü.
Computers Materials and Continua, vol.28, pp.147-164, 2012 (SCI-Expanded)
- LXXXIX. **3D Analysis of the Forced Vibration of a Prestressed Rectangular Composite Plate With Two Neighboring Cylindrical Cavities**
AKBAROV S., YAHNIOĞLU N., YEŞİL Ü.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.28, no.2, pp.147-164, 2012 (SCI-Expanded)
- XC. **Torsional Wave Propagation in the Finitely Pre-Stretched Hollow Bi-Material Compound Circular Cylinder**
AKBAROV S., KEPCELER T., EGILMEZ M. M., DIKMEN F.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.26, no.2, pp.91-109, 2011 (SCI-Expanded)
- XCI. **Torsional wave dispersion in a finitely pre-strained hollow sandwich circular cylinder**
AKBAROV S., KEPCELER T., EGILMEZ M. M.
JOURNAL OF SOUND AND VIBRATION, vol.330, pp.4519-4537, 2011 (SCI-Expanded)
- XCII. **On the Energy Release Rate at the Crack Tips in a Finite Pre-Strained Strip**
AKBAROV S., TURAN A.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.24, no.3, pp.257-270, 2011 (SCI-Expanded)
- XCIII. **ANALYSIS OF STRESSES IN AN INFINITE ELASTIC BODY WITH A LOCALLY CURVED COVERED NANOFIBER**

- Alan K. S., AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.47, no.3, pp.343-358, 2011 (SCI-Expanded)
- XCIV. **Wave propagation in a pre-strained compressible elastic sandwich plate**
AKBAROV S., AGASIYEV E. R., ZAMANOV A. D.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.30, no.3, pp.409-422, 2011 (SCI-Expanded)
- XCIV. **Dispersion relations of axisymmetric wave propagation in initially twisted bi-material compounded cylinders**
AKBAROV S., GULIEV M. S., KEPCELER T.
JOURNAL OF SOUND AND VIBRATION, vol.330, no.8, pp.1644-1664, 2011 (SCI-Expanded)
- XCVI. **3D Analyses of the Stability Loss of the Circular Solid Cylinder Made from Viscoelastic Composite Material**
AKBAROV S., KARAKAYA S.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.22, no.1, pp.1-38, 2011 (SCI-Expanded)
- XCVII. **Stability loss of the micro-fiber in the elastic and viscoelastic matrix near the free convex cylindrical surface**
AKBAROV S., MAMEDOV A. R.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.30, no.2, pp.167-182, 2011 (SCI-Expanded)
- XCVIII. **Stress Distribution in an Infinite Body Containing Two Neighboring Locally Curved Nanofibers**
Akbarov S., Köşker R., Cinar N. T.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.21, pp.119-146, 2011 (SCI-Expanded)
- XCIX. **FEM modelling of the time-harmonic dynamical stress field problem for a pre-stressed plate-strip resting on a rigid foundation**
AKBAROV S., YILDIZ A., EROZ M.
APPLIED MATHEMATICAL MODELLING, vol.35, no.2, pp.952-964, 2011 (SCI-Expanded)
- C. **Forced vibration of the pre-stressed bi-layered plate-strip with finite length resting on a rigid foundation**
Akbarov S., Yildiz A., Eroz M.
APPLIED MATHEMATICAL MODELLING, vol.35, no.1, pp.250-256, 2011 (SCI-Expanded)
- CI. **PROPAGATION OF AXISYMMETRIC WAVES IN AN INITIALLY TWISTED CIRCULAR COMPOUND BIMATERIAL CYLINDER WITH A SOFT INNER AND A STIFF OUTER CONSTITUENTS**
AKBAROV S., GULIEV M. S., KEPCELER T.
MECHANICS OF COMPOSITE MATERIALS, vol.46, no.6, pp.627-638, 2011 (SCI-Expanded)
- CII. **Buckling delamination of a rectangular plate containing a rectangular crack and made from elastic and viscoelastic composite materials**
AKBAROV S., YAHNIOĞLU N., KARATAŞ E. E.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.47, pp.3426-3434, 2010 (SCI-Expanded)
- CIII. **The Influence of the Imperfectness of the Interface Conditions on the Dispersion of the Axisymmetric Longitudinal Waves in the Pre-Strained Compound Cylinder**
AKBAROV S., İPEK C.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.70, no.2, pp.93-121, 2010 (SCI-Expanded)
- CIV. **STRESS DISTRIBUTION CAUSED BY TWO NEIGHBORING OUT-OF-PLANE LOCALLY COPHASALLY CURVED FIBERS IN A COMPOSITE MATERIAL**
Cinar N. T., KÖŞKER R., Akbarov S., Akat E.
MECHANICS OF COMPOSITE MATERIALS, vol.46, no.5, pp.555-572, 2010 (SCI-Expanded)
- CV. **DELAMINATION BUCKLING OF A RECTANGULAR ORTHOTROPIC COMPOSITE PLATE CONTAINING A BAND CRACK**
AKBAROV S., YAHNIOĞLU N.
MECHANICS OF COMPOSITE MATERIALS, vol.46, no.5, pp.493-504, 2010 (SCI-Expanded)
- CVI. **Time-harmonic dynamical stress field in a system comprising a pre-stressed orthotropic layer and pre-stressed orthotropic half-plane**
Akbarov S., ILHAN N.

- ARCHIVE OF APPLIED MECHANICS, vol.80, no.11, pp.1271-1286, 2010 (SCI-Expanded)
- CVII. **FORCED VIBRATION OF AN INITIALLY STRESSED THICK RECTANGULAR PLATE MADE OF AN ORTHOTROPIC MATERIAL WITH A CYLINDRICAL HOLE**
Akbarov S., Yahnioglu N., Yeşil Ü.
MECHANICS OF COMPOSITE MATERIALS, vol.46, pp.287-298, 2010 (SCI-Expanded)
- CVIII. **3D FEM Analyses of the Buckling Delamination of a Rectangular Sandwich Plate Containing Interface Rectangular Cracks and Made from Elastic and Viscoelastic Materials**
Akbarov S., YAHNIOĞLU N., Tekin A.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.64, no.2, pp.147-185, 2010 (SCI-Expanded)
- CIX. **The Effect of the Geometrical Non-Linearity on the Stress Distribution in the Infinite Elastic Body with a Periodically Curved Row of Fibers**
Akbarov S., Köşker R., Uçan Y.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.17, pp.77-102, 2010 (SCI-Expanded)
- CX. **Dispersion relations of axisymmetric wave propagation in finite pre-stretched compound circular cylinders made from highly elastic incompressible materials**
AKBAROV S., Guliev M., Tekercioglu R.
CMES - Computer Modeling in Engineering and Sciences, vol.55, no.1, pp.1-31, 2010 (SCI-Expanded)
- CXI. **Dispersion Relations of Axisymmetric Wave Propagation in Finite Pre Stretched Compound Circular Cylinders Made from Highly Elastic Incompressible Materials** Surkay D Akbarov Mugan S Guliev and R
SURKHAY A., GULIEV M. S., TEKERCİOĞLU R.
Computer Modeling in Engineering and Science, vol.55, pp.1-32, 2010 (SCI-Expanded)
- CXII. **The influence of the finite initial strains on the axisymmetric wave dispersion in a circular cylinder embedded in a compressible elastic medium**
AKBAROV S., GULIEV M. S.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.52, no.1, pp.89-95, 2010 (SCI-Expanded)
- CXIII. **The Self-Balanced Shear Stresses in the Elastic Body with a Locally Curved Covered Fiber**
Alan K. S., Akbarov S.
ADVANCES IN MECHANICAL ENGINEERING, 2010 (SCI-Expanded)
- CXIV. **On the dynamics of a finite pre-strained bi-layered slab resting on a rigid foundation under the action of an oscillating moving load**
AKBAROV S., SALMANOVA K. A.
JOURNAL OF SOUND AND VIBRATION, vol.327, pp.454-472, 2009 (SCI-Expanded)
- CXV. **ENERGY RELEASE RATE IN A PRESTRESSED SANDWICH PLATE-STRIP CONTAINING INTERFACE CRACKS**
AKBAROV S., TURAN A.
MECHANICS OF COMPOSITE MATERIALS, vol.45, no.6, pp.597-608, 2009 (SCI-Expanded)
- CXVI. **Dynamics of a system comprising an orthotropic layer and orthotropic half-plane under the action of an oscillating moving load**
Akbarov S., ILHAN N.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.46, no.21, pp.3873-3881, 2009 (SCI-Expanded)
- CXVII. **Mathematical modelling and the study of the influence of initial stresses on the SIF and ERR at the crack tips in a plate-strip of orthotropic material**
AKBAROV S., TURAN A.
APPLIED MATHEMATICAL MODELLING, vol.33, no.9, pp.3682-3692, 2009 (SCI-Expanded)
- CXVIII. **Near-surface failure of layered viscoelastic materials**
AKBAROV S., Aliyev E. A.
MECHANICS OF COMPOSITE MATERIALS, vol.45, no.5, pp.477-488, 2009 (SCI-Expanded)
- CXIX. **Torsional wave dispersion relations in a pre-stressed bi-material compounded cylinder**
Ozturk A., AKBAROV S.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.89, no.9, pp.754-766, 2009 (SCI-

Expanded)

- CXX. **Torsional wave propagation in a pre-stressed circular cylinder embedded in a pre-stressed elastic medium**
Ozturk A., Akbaro S.
APPLIED MATHEMATICAL MODELLING, vol.33, no.9, pp.3636-3649, 2009 (SCI-Expanded)
- CXXI. **Dynamical response of a prestrained system comprising a substrate and bond and covering layers to a moving load**
Dincsoy E., Guler C., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.45, pp.527-536, 2009 (SCI-Expanded)
- CXXII. **Dynamical Response of Two Axially Pre-Strained System Comprising of a Covering Layer and a Half Space to Rectangular Time-Harmonic Forces**
EMİROĞLU İ., TAŞÇI F., AKBAROV S.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.49, no.1, pp.47-68, 2009 (SCI-Expanded)
- CXXIII. **Axisymmetric longitudinal wave propagation in a finite pre-strained compound circular cylinder made from compressible materials**
AKBAROV S., Guliev M. S.
CMES - Computer Modeling in Engineering and Sciences, vol.39, no.2, pp.155-177, 2009 (SCI-Expanded)
- CXXIV. **On the solution method for problems related to the micro-mechanics of a periodically curved fiber near a convex cylindrical surface**
AKBAROV S., Mamedov A.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.42, no.3, pp.257-296, 2009 (SCI-Expanded)
- CXXV. **Interaction between two neighboring circular holes in a prestretched simply supported orthotropic strip under bending**
Akbarov S., Yahnioğlu N., Yeşil Ü.
MECHANICS OF COMPOSITE MATERIALS, vol.44, pp.581-590, 2008 (SCI-Expanded)
- CXXVI. **PROPAGATION OF AXISYMMETRIC LONGITUDINAL WAVES IN A FINITELY PRESTRAINED CIRCULAR CYLINDER IMBEDDED IN A FINITELY PRESTRAINED INFINITE ELASTIC BODY**
AKBAROV S., GULIEV M. S.
MECHANICS OF COMPOSITE MATERIALS, vol.44, no.5, pp.465-478, 2008 (SCI-Expanded)
- CXXVII. **Dynamics of a system comprising a pre-stressed orthotropic layer and pre-stressed orthotropic half-plane under the action of a moving load**
Akbarov S., ILHAN N.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.45, pp.4222-4235, 2008 (SCI-Expanded)
- CXXVIII. **On the propagation of Lamb waves in a sandwich plate made of compressible materials with finite initial strains**
AKBAROV S., ZAMANOV A. D., AGASIYEV E. R.
MECHANICS OF COMPOSITE MATERIALS, vol.44, no.2, pp.155-164, 2008 (SCI-Expanded)
- CXXIX. **Propagation of torsional waves in a prestretched compound hollow circular cylinder**
ÖZTÜRK A. B., AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.44, no.1, pp.77-86, 2008 (SCI-Expanded)
- CXXX. **Recent investigations on dynamic problems for an elastic body with initial (residual) stresses (review)**
Akbarov S.
INTERNATIONAL APPLIED MECHANICS, vol.43, no.12, pp.1305-1324, 2007 (SCI-Expanded)
- CXXXI. **Three-dimensional instability problems for viscoelastic composite materials and structural members**
AKBAROV S.
INTERNATIONAL APPLIED MECHANICS, vol.43, no.10, pp.1069-1089, 2007 (SCI-Expanded)
- CXXXII. **On the influence of singular-type finite elements on the critical force in studying the buckling of a circular plate with a crack**
AKBAROV S., YAHNIOĞLU N., RZAYEV O. G.
INTERNATIONAL APPLIED MECHANICS, vol.43, no.9, pp.1048-1056, 2007 (SCI-Expanded)

- CXXXIII. **Surface undulation instability of the viscoelastic half-space covered with the stack of layers in bi-axial compression**
Akbarov S., TEKERCIOGLU R.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.6, pp.778-789, 2007 (SCI-Expanded)
- CXXXIV. **The critical speed of a moving load on a prestressed plate resting on a prestressed half-plane**
Akbarov S., Guler C., Dincsoy E.
MECHANICS OF COMPOSITE MATERIALS, vol.43, pp.173-182, 2007 (SCI-Expanded)
- CXXXV. **The axisymmetric Lamb's problem for a finite prestrained half-space covered with a finite prestretched layer**
Akbarov S.
INTERNATIONAL APPLIED MECHANICS, vol.43, no.3, pp.351-360, 2007 (SCI-Expanded)
- CXXXVI. **A dynamical (time-harmonic) axisymmetric stress field in a finitely prestretched multilayered slab on a rigid foundation**
Zamanov A. D., Suleimanov T. R., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.42, no.5, pp.467-476, 2006 (SCI-Expanded)
- CXXXVII. **Near-surface buckling instability of a system consisting of a moderately rigid substrate, a viscoelastic bond layer, and an elastic covering layer**
Akbarov S., TEKERCIOGLU R.
MECHANICS OF COMPOSITE MATERIALS, vol.42, no.4, pp.363-372, 2006 (SCI-Expanded)
- CXXXVIII. **On the dynamical axisymmetric stress field in a finite pre-stretched bilayered slab resting on a rigid foundation**
Akbarov S.
JOURNAL OF SOUND AND VIBRATION, vol.294, pp.221-237, 2006 (SCI-Expanded)
- CXXXIX. **Frequency response of the axisymmetrically finite pre-stretched slab from incompressible functionally graded material on a rigid foundation**
Akbarov S.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.44, pp.484-500, 2006 (SCI-Expanded)
- CXL. **Stress distribution in a composite material with a row of antiphase periodically curved fibers**
Akbarov S., Kosker R., Ucan Y.
INTERNATIONAL APPLIED MECHANICS, vol.42, no.4, pp.486-493, 2006 (SCI-Expanded)
- CXLI. **The influence of the third order elastic constants on the dynamical interface stress field in a half-space covered with a pre-stretched layer**
Akbarov S.
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, vol.41, no.3, pp.417-425, 2006 (SCI-Expanded)
- CXLII. **Dynamical (time-harmonic) axisymmetric interface stress field in the finite pre-strained half-space covered with the finite pre-stretched layer**
Akbarov S.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.44, pp.93-112, 2006 (SCI-Expanded)
- CXLIII. **The Lamb's problem for a half-space covered with the pre-stretched layer**
AKBAROV S., Emiroglu I., TASCI F.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.47, no.9, pp.1326-1349, 2005 (SCI-Expanded)
- CXLIV. **Stress distribution in an infinite elastic body with a locally curved fiber in a geometrically nonlinear statement**
Akbarov S., Kosker R., Simsek K.
MECHANICS OF COMPOSITE MATERIALS, vol.41, no.4, pp.291-302, 2005 (SCI-Expanded)
- CXLV. **Forced vibration of a prestretched two-layer slab on a rigid foundation**
Akbarov S., ZAMANOV A., SULEIMANOV T.
MECHANICS OF COMPOSITE MATERIALS, vol.41, no.3, pp.229-240, 2005 (SCI-Expanded)
- CXLVI. **Dynamical (harmonic) interface stress field in the half-plane covered by the prestretched layer under a strip load**
Akbarov S., Guler C.

- JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.40, no.3, pp.225-235, 2005 (SCI-Expanded)
- CXLVII. **Mechanics of curved composites and some related problems for structural members**
Akbarov S., GUZ A.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.11, no.6, pp.445-515, 2004 (SCI-Expanded)
- CXLVIII. **Stress analysis for a rectangular thick plate of a composite material with a spatially locally curved structure under forced vibration**
Akbarov S., Tarim E.
MECHANICS OF COMPOSITE MATERIALS, vol.40, no.6, pp.509-518, 2004 (SCI-Expanded)
- CXLIX. **On the influence of the initial tension of a strip with a rectangular hole on the stress concentration caused by additional loading**
Akbarov S., Yahnioglu N., Yucel A.
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.39, pp.615-624, 2004 (SCI-Expanded)
- CL. **Internal stability loss of two neighbouring fibers in a viscoelastic matrix**
Akbarov S., Kosker R.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.42, pp.1847-1873, 2004 (SCI-Expanded)
- CLI. **Dynamic (harmonic) interfacial stress field in a half-plane covered with a prestretched soft layer**
Guler C., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.40, no.5, pp.379-388, 2004 (SCI-Expanded)
- CLII. **Dynamic interaction of a prestressed nonlinear elastic layer and a half-plane**
Akbarov S., OZISIK M.
INTERNATIONAL APPLIED MECHANICS, vol.40, no.9, pp.1056-1063, 2004 (SCI-Expanded)
- CLIII. **Buckling instability of a thick rectangular plate of a composite material with a spatially periodically curved structure**
Akbarov S., Selim S., Demiriz I.
Mechanics of Composite Materials, vol.40, no.5, pp.389-396, 2004 (SCI-Expanded)
- CLIV. **Stress distribution in an elastic body with a periodically curved row of fibers**
Akbarov S., Kosker R., Ucan V.
MECHANICS OF COMPOSITE MATERIALS, vol.40, pp.191-202, 2004 (SCI-Expanded)
- CLV. **Lamb problem for a half-space covered with a two-axially prestretched layer**
Emiroglu I., TASCI F., AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.40, no.3, pp.227-236, 2004 (SCI-Expanded)
- CLVI. **Axisymmetric longitudinal wave propagation in pre-stressed compound circular cylinders**
Akbarov S., GUZ A.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.42, pp.769-791, 2004 (SCI-Expanded)
- CLVII. **Item analysis of the three-dimensional buckling problem for a clamped thick rectangular plate made of a viscoelastic composite**
Selim S., AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.6, pp.531-540, 2003 (SCI-Expanded)
- CLVIII. **The influence of the third order elastic constants to the generalized Rayleigh wave dispersion in a pre-stressed stratified half-plane**
Akbarov S., OZISIK M.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.41, no.17, pp.2047-2061, 2003 (SCI-Expanded)
- CLIX. **Three-dimensional stress analysis for a thick plate of a composite material with a spatially locally curved structure**
Tarim E., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.39, pp.447-454, 2003 (SCI-Expanded)
- CLX. **The loss of stability analyses of an elastic and viscoelastic composite circular plate in the framework of three-dimensional linearized theory**
KÜTÜĞ Z., YAHNIOĞLU N., AKBAROV S.
European Journal of Mechanics, A/Solids, vol.22, no.3, pp.475-488, 2003 (SCI-Expanded)
- CLXI. **Stress analysis for a thick rectangular plate of a composite material with a spatially periodically**

curved structure under forced vibration

Demiriz I, Akbarov S.

MECHANICS OF COMPOSITE MATERIALS, vol.39, no.3, pp.235-244, 2003 (SCI-Expanded)

- CLXII. **On the delamination of a viscoelastic composite circular plate**
Akbarov S., RZAYEV O.
INTERNATIONAL APPLIED MECHANICS, vol.39, no.3, pp.368-374, 2003 (SCI-Expanded)
- CLXIII. **Rayleigh-wave propagation in a half-plane covered with a prestressed layer under complete and incomplete interfacial contact**
Ozisik M., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.2, pp.177-182, 2003 (SCI-Expanded)
- CLXIV. **Influence of the interaction between two neighboring periodically curved fibers on the stress distribution in a composite material**
Kosker R., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.2, pp.165-176, 2003 (SCI-Expanded)
- CLXV. **Stress distribution caused by anti-phase periodical curving of two neighbouring fibers in a composite material**
Akbarov S., KOSKER R.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.22, no.2, pp.243-256, 2003 (SCI-Expanded)
- CLXVI. **On a stress analysis in the infinite elastic body with two neighbouring curved fibres**
Akbarov S., KOSKER R.
COMPOSITES PART B-ENGINEERING, vol.34, no.2, pp.143-150, 2003 (SCI-Expanded)
- CLXVII. **Mechanics of curved composites (piecewise-homogeneous body model)**
Akbarov S., Guz A.
INTERNATIONAL APPLIED MECHANICS, vol.38, no.12, pp.1415-1439, 2002 (SCI-Expanded)
- CLXVIII. **Continuum approaches in the mechanics of curved composites and associated problems for structural members**
Akbarov S., GUZ A.
INTERNATIONAL APPLIED MECHANICS, vol.38, no.11, pp.1285-1308, 2002 (SCI-Expanded)
- CLXIX. **Natural vibrations of a composite plate strip with macrocracks**
Rzayev O., Akbarov S.
INTERNATIONAL APPLIED MECHANICS, vol.38, no.10, pp.1280-1283, 2002 (SCI-Expanded)
- CLXX. **Local buckling of the elastic and viscoelastic coating around the penny-shaped interface crack**
Rzayev O., AKBAROV S.
International Journal of Engineering Science, vol.40, no.13, pp.1435-1451, 2002 (SCI-Expanded)
- CLXXI. **Stability loss analyses of the elastic and viscoelastic composite rotating thick circular plate in the framework of the three-dimensional linearized theory of stability**
YAHNIOĞLU N., AKBAROV S.
International Journal of Mechanical Sciences, vol.44, no.6, pp.1225-1244, 2002 (SCI-Expanded)
- CLXXII. **On the buckling of the elastic and viscoelastic composite circular thick plate with a penny-shaped crack**
AKBAROV S., Rzayev O.
European Journal of Mechanics, A/Solids, vol.21, no.2, pp.269-279, 2002 (SCI-Expanded)
- CLXXIII. **Delamination of unidirectional viscoelastic composite materials**
Akbarov S., RZAYEV O.
MECHANICS OF COMPOSITE MATERIALS, vol.38, no.1, pp.17-24, 2002 (SCI-Expanded)
- CLXXIV. **Lamb's problem for an initially stressed stratified half-plane**
Akbarov S., OZAYDIN O.
INTERNATIONAL APPLIED MECHANICS, vol.37, no.10, pp.1363-1367, 2001 (SCI-Expanded)
- CLXXV. **On the three-dimensional stability loss problem of the viscoelastic composite plate**
Akbarov S., YAHNIOGLU N., KUTUG Z.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.39, no.13, pp.1443-1457, 2001 (SCI-Expanded)

- CLXXVI. **Fiber buckling in a viscoelastic matrix**
Akbarov S., Kosker R.
MECHANICS OF COMPOSITE MATERIALS, vol.37, no.4, pp.299-306, 2001 (SCI-Expanded)
- CLXXVII. **Stability of a strip made of a multilayer composite with a curved structure**
Akbarov S., Selim S.
INTERNATIONAL APPLIED MECHANICS, vol.37, no.6, pp.831-835, 2001 (SCI-Expanded)
- CLXXVIII. **The effect of initial stresses on harmonic stress fields within the stratified half plane**
Akbarov S., OZAYDIN O.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.20, no.3, pp.385-396, 2001 (SCI-Expanded)
- CLXXIX. **A method of investigation of the general theory of stability problems on structural elements fabricated from viscoelastic composite materials**
Akbarov S., YAHNIOGLU N.
COMPOSITES PART B-ENGINEERING, vol.32, no.5, pp.473-480, 2001 (SCI-Expanded)
- CLXXX. **The theoretical strength limit in compression of viscoelastic layered composite materials**
Akbarov S., CILLI A., GUZ A.
COMPOSITES PART B-ENGINEERING, vol.30, no.5, pp.465-472, 1999 (SCI-Expanded)
- CLXXXI. **Mechanics of composite materials with curved structures and elements of constructions (review)**
Akbarov S., GUZ' A., YAHNIOGLU N.
INTERNATIONAL APPLIED MECHANICS, vol.34, no.11, pp.1067-1078, 1998 (SCI-Expanded)
- CLXXXII. **On the three-dimensional stability loss problems of elements of structures of viscoelastic composite materials**
Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.34, no.6, pp.537-544, 1998 (SCI-Expanded)
- CLXXXIII. **Influence of local structural damage in multilayered thick plate material on the stress distribution**
Akbarov S., Yahnioğlu N.
INTERNATIONAL APPLIED MECHANICS, vol.34, no.9, pp.873-877, 1998 (SCI-Expanded)
- CLXXXIV. **On the bending problems of anisotropic (orthotropic) plates resting on elastic foundations that react in compression only**
Akbarov S., Kocaturk T.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.34, no.28, pp.3673-3689, 1997 (SCI-Expanded)
- CLXXXV. **On the fracture of the unidirectional composites in compression**
Akbarov S., Sisman T., Yahnioğlu N.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.35, pp.1115-1136, 1997 (SCI-Expanded)
- CLXXXVI. **Fibre stability in anisotropic matrix at small strains**
Akbarov S., KOCATURK T.
MECHANICS OF COMPOSITE MATERIALS, vol.33, no.5, pp.423-429, 1997 (SCI-Expanded)
- CLXXXVII. **Stress distribution in a strip fabricated from a composite material with small-scale curved structure**
Akbarov S., YAHNIOGLU N.
INTERNATIONAL APPLIED MECHANICS, vol.32, no.9, pp.684-690, 1996 (SCI-Expanded)
- CLXXXVIII. **Effect of anisotropy of plates on the contact region resting on tensionless elastic foundation**
Kocaturk T., Akbarov S.
INTERNATIONAL APPLIED MECHANICS, vol.32, no.2, pp.112-116, 1996 (SCI-Expanded)
- CLXXXIX. **ON THE DETERMINATION OF NORMALIZED NONLINEAR MECHANICAL-PROPERTIES OF COMPOSITE-MATERIALS WITH PERIODICALLY CURVED LAYERS**
AKBAROV S.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.32, no.21, pp.3129-3143, 1995 (SCI-Expanded)
- CXC. **ON CRACK PROBLEMS IN COMPOSITE-MATERIALS WITH LOCALLY CURVED LAYERS**
AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.30, no.6, pp.540-547, 1994 (SCI-Expanded)
- CXCI. **ON THE CRACK PROBLEMS IN COMPOSITE-MATERIALS WITH CURVED LAYERS**
AKBAROV S., MAKSUDOV F., PANAKHOV P., SEIFULLAYEV A.

- INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.32, no.6, pp.1003-1016, 1994 (SCI-Expanded)
- CXCII. **DETERMINATION OF CORRECTED MECHANICAL-PROPERTIES FOR COMPOSITES WITH PERIODICALLY CURVED LAYERS**
AKBAROV S., GULIEV M., MOVSUMOV E.
INTERNATIONAL APPLIED MECHANICS, vol.29, no.7, pp.508-515, 1993 (SCI-Expanded)
- CXCIII. **NATURAL VIBRATIONS OF COMPOSITE-MATERIALS HAVING STRUCTURES WITH SMALL-SCALE CURVATURES**
AKBAROV S., GUZ A., ZAMANOV A.
INTERNATIONAL APPLIED MECHANICS, vol.28, no.12, pp.794-800, 1992 (SCI-Expanded)
- CXCIV. **EFFECT OF GEOMETRIC NONLINEARITY ON STRESS-DISTRIBUTION IN LAMINAR COMPOSITES WITH CURVED STRUCTURES**
AKBAROV S., DZHAMALOV Z., MOVSUMOV E.
MECHANICS OF COMPOSITE MATERIALS, vol.28, no.6, pp.581-586, 1992 (SCI-Expanded)
- CXCV. **SOLUTION OF PROBLEMS INVOLVING THE STRESS STATE OF COMPOSITE-MATERIALS WITH CURVED LAYERS IN THE GEOMETRICALLY NONLINEAR STATEMENT**
AKBAROV S., GUZ A., DZHAMALOV Z., MOVSUMOV E.
INTERNATIONAL APPLIED MECHANICS, vol.28, no.6, pp.343-347, 1992 (SCI-Expanded)
- CXCVI. **Statics of laminated and fibrous composites with curved structures**
Akbarov S., Guz A.
Applied Mechanics Reviews, vol.45, no.2, pp.17-34, 1992 (SCI-Expanded)
- CXCVII. **DISTRIBUTION OF SELF-BALANCED STRESSES IN COMPOSITE-MATERIALS WITH CURVED CURVILINEARLY ANISOTROPIC LAYERS**
AKBAROV S., MUSTAFAEV S.
SOVIET APPLIED MECHANICS, vol.27, no.12, pp.1225-1228, 1991 (SCI-Expanded)
- CXCVIII. **MECHANICS OF COMPOSITE-MATERIALS WITH CURVED STRUCTURES (SURVEY) - COMPOSITE LAMINATES**
AKBAROV S., GUZ A.
SOVIET APPLIED MECHANICS, vol.27, no.6, pp.535-550, 1991 (SCI-Expanded)
- CXCIX. **MECHANICS OF COMPOSITE-MATERIALS WITH DISTORTED STRUCTURE (REVIEW) - CONTINUUM THEORY, FIBER COMPOSITES**
AKBAROV S., GUZ A.
SOVIET APPLIED MECHANICS, vol.27, no.5, pp.429-443, 1991 (SCI-Expanded)
- CC. **CONTINUUM THEORY IN THE MECHANICS OF COMPOSITE-MATERIALS WITH SMALL-SCALE STRUCTURAL DISTORTION**
AKBAROV S., GUZ A.
SOVIET APPLIED MECHANICS, vol.27, no.2, pp.107-117, 1991 (SCI-Expanded)
- CCI. **STRESS STATE IN LAMINAR COMPOSITE-MATERIAL WITH PARTIAL DISTORTION IN STRUCTURE**
AKBAROV S., ALIEV S.
SOVIET APPLIED MECHANICS, vol.26, no.12, pp.1127-1131, 1990 (SCI-Expanded)
- CCII. **DISTRIBUTION OF SELF-BALANCING STRESSES IN FIBROUS COMPOSITES WITH TWISTED FIBERS**
AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.26, no.5, pp.582-589, 1990 (SCI-Expanded)
- CCIII. **Problems of the mechanics of composite materials with curved structures (model of a piecewise homogeneous medium)**
Guz' A., Akbarov S.
Mechanics of Composite Materials, vol.25, no.5, pp.573-581, 1990 (SCI-Expanded)
- CCIV. **SOLUTION OF PROBLEMS OF THE STRESS-STRAIN STATE OF COMPOSITE-MATERIALS WITH CURVILINEARLY ANISOTROPIC LAYERS**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.25, no.1, pp.12-21, 1989 (SCI-Expanded)
- CCV. **STRESS AND DEFORMATION IN A LAYERED COMPOSITE-MATERIAL WITH DISTORTED LAYERS**

- AKBAROV S., VERDIEV M., GUZ A.
SOVIET APPLIED MECHANICS, vol.24, no.12, pp.1146-1153, 1988 (SCI-Expanded)
- CCVI. **EFFECT OF THE MODES OF SMALL-SCALE ANTIPHASE LOCAL CURVATURE IN THE STRUCTURE OF LAMINATED COMPOSITES ON THE DISTRIBUTION OF SELF-BALANCED STRESSES**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.24, no.7, pp.658-664, 1988 (SCI-Expanded)
- CCVII. **Stress distribution in multilayered composite material with curved structures (model of a piecewise homogeneous body)**
Akbarov S., Guz' A.
Mechanics of Composite Materials, vol.23, no.4, pp.396-403, 1988 (SCI-Expanded)
- CCVIII. **DISTRIBUTIONS OF SELF-BALANCED STRESSES IN A LAMINATED COMPOSITE-MATERIAL WITH ANTIPHASE LOCALLY DISTORTED STRUCTURES**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.24, no.6, pp.560-566, 1988 (SCI-Expanded)
- CCIX. **STRESS STATE IN A LAMINAR COMPOSITE-MATERIAL WITH LOCAL WARPS IN THE STRUCTURE**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.24, no.5, pp.445-453, 1988 (SCI-Expanded)
- CCX. **MECHANICS OF COMPOSITE-MATERIALS WITH ANISOTROPIC DISTORTED LAYERS**
AKBAROV S., GUZ A., MUSTAFAEV S.
SOVIET APPLIED MECHANICS, vol.23, no.6, pp.528-534, 1987 (SCI-Expanded)
- CCXI. **STRESS-DISTRIBUTION IN A MULTILAYERED COMPOSITE WITH SMALL-SCALE ANTIPHASE CURVATURES IN THE STRUCTURE**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.23, no.2, pp.107-112, 1987 (SCI-Expanded)
- CCXII. **EFFECT OF RHEOLOGIC PARAMETERS OF THE MATRIX MATERIAL ON THE DISTRIBUTION OF SELF-BALANCED STRESSES IN A MULTILAYER COMPOSITE WITH CURVED STRUCTURES**
AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.22, no.4, pp.421-427, 1986 (SCI-Expanded)
- CCXIII. **STRESS STATE IN A VISCOELASTIC FIBROUS COMPOSITE WITH CURVED STRUCTURES AND A LOW-FIBER CONCENTRATION**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.22, no.6, pp.506-513, 1986 (SCI-Expanded)
- CCXIV. **NORMAL STRESSES IN A FIBER COMPOSITE WITH CURVED STRUCTURES HAVING A LOW CONCENTRATION OF FILLER**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.21, no.11, pp.1065-1069, 1985 (SCI-Expanded)
- CCXV. **Stressed state in a composite material with curved layers having a low filler concentration**
Akbarov S., Guz' A.
Mechanics of Composite Materials, vol.20, no.6, pp.688-693, 1985 (SCI-Expanded)
- CCXVI. **STRESS STATE OF A FIBER COMPOSITE WITH CURVED STRUCTURES WITH A LOW-FIBER CONCENTRATION**
AKBAROV S., GUZ A.
SOVIET APPLIED MECHANICS, vol.21, no.6, pp.560-565, 1985 (SCI-Expanded)
- CCXVII. **STABILITY OF 2 FIBERS IN AN ELASTIC MATRIX WITH SMALL STRAINS**
AKBAROV S., GUZ A.
SOVIET APPLIED MECHANICS, vol.21, no.1, pp.1-7, 1985 (SCI-Expanded)
- CCXVIII. **A METHOD OF SOLVING PROBLEMS IN THE MECHANICS OF COMPOSITE-MATERIALS WITH CURVED VISCOELASTIC LAYERS**
AKBAROV S.
SOVIET APPLIED MECHANICS, vol.21, no.3, pp.211-226, 1985 (SCI-Expanded)
- CCXIX. **METHOD OF SOLVING PROBLEMS IN THE MECHANICS OF FIBER COMPOSITES WITH CURVED**

STRUCTURES

AKBAROV S., GUZ A.

SOVIET APPLIED MECHANICS, vol.20, no.9, pp.777-785, 1984 (SCI-Expanded)

CCXX. **METHOD OF SOLVING PROBLEMS IN MECHANICS OF COMPOSITE-MATERIALS WITH BENT LAYERS**

AKBAROV S., GUZ A.

SOVIET APPLIED MECHANICS, vol.20, no.4, pp.299-304, 1984 (SCI-Expanded)

CCXXI. **Stability of two fibers in a matrix under finite subcritical strains**

Akbarov S., Guz' A., Cherevko M.

Mechanics of Composite Materials, vol.18, no.1, pp.34-41, 1982 (SCI-Expanded)

CCXXII. **LOSS OF STABILITY IN 2 FIBERS IN AN ELASTIC MATRIX WITH LARGE ELASTIC STRAINS**

AKBAROV S.

SOVIET APPLIED MECHANICS, vol.17, no.7, pp.626-630, 1981 (SCI-Expanded)

Articles Published in Other Journals

- I. **The influence of the fluid flow velocity and direction on the wave dispersion in the initially inhomogeneously stressed hollow cylinder containing this fluid**
D.AKBAROV S., Imamaliyeva J. N., Akbarli R. S.
Coupled Systems Mechanics, vol.13, no.3, pp.247-275, 2024 (ESCI)
- II. **Influence of Inhomogeneous Residual Stresses Arising from the Contact of the Cut on the Dispersion of Axisymmetric Longitudinal Waves in Two-Layer Hollow Cylinder**
D.AKBAROV S., Bagirov E.
International Applied Mechanics, vol.59, no.4, pp.493-503, 2023 (ESCI)
- III. **Parametric study of the wave dispersion in the hydro-elastic system consisting of an inhomogeneously prestressed hollow cylinder containing compressible inviscid fluid**
D.AKBAROV S., Veliyev G. J.
Coupled Systems Mechanics, vol.12, no.1, pp.41-68, 2023 (Scopus)
- IV. **On the dispersion of waves propagating in "plate+fluid layer" systems**
Akbarov S. D., Negin M.
COUPLED SYSTEMS MECHANICS, vol.10, no.2, pp.123-142, 2021 (ESCI)
- V. **Fluid flow profile in the "orthotropic plate+compressible viscous fluid+rigid wall" system under the action of the moving load on the plate**
Akbarov S., Huseynova T. V.
COUPLED SYSTEMS MECHANICS, vol.9, pp.289-309, 2020 (ESCI)
- VI. **Forced vibration of the hydro-elastic system consisting of the orthotropic plate, compressible viscous fluid and rigid wall**
AKBAROV S., Huseynova T.
COUPLED SYSTEMS MECHANICS, vol.8, no.3, pp.199-218, 2019 (ESCI)
- VII. **Dynamics of the system consisting of the hollow cylinder and surrounding infinite elastic medium under action an oscillating moving ring load on the interior of the cylinder**
AKBAROV S., Mehdiyev M. A.
COUPLED SYSTEMS MECHANICS, vol.7, no.5, pp.525-554, 2018 (ESCI)
- VIII. **The influence of the initial strains of the highly elastic plate on the forced vibration of the hydro-elastic system consisting of this plate, compressible viscous fluid, and rigid wall**
AKBAROV S., ISMAILOV M. I., ALIYEV S. A.
COUPLED SYSTEMS MECHANICS, vol.6, no.4, pp.439-464, 2017 (ESCI)
- IX. **On the particularities of the forced vibration of the hydro-elastic system consisting of a moving elastic plate, compressible viscous fluid and rigid wall**
AKBAROV S., PANAKHLIA P. G.
COUPLED SYSTEMS MECHANICS, vol.6, no.3, pp.287-316, 2017 (ESCI)

- X. **EFFECT OF UNIAXIAL INITIAL STRESSES, PIEZOELECTRICITY AND THIRD ORDER ELASTIC CONSTANTS ON THE NEAR-SURFACE WAVES IN A STRATIFIED HALF-PLANE**
Kurt İ., Akbarov S., Sezer S.
JOURNAL OF THERMAL ENGINEERING, vol.3, pp.1346-1357, 2017 (ESCI)
- XI. **Frequency response of a viscoelastic plate under compressible viscous fluid loading**
AKBAROV S., Ismailov M.
International Journal of Mechanics, vol.8, no.1, pp.332-344, 2014 (Scopus)
- XII. **The influence of Murnaghan constants on the propagation of a torsional wave in pre-stretched compound circular cylinders**
AKBAROV S., Ozturk A.
International Applied Mechanics, vol.46, no.7, pp.847-856, 2010 (ESCI)
- XIII. **On loss of stability of a strip with two parallel macro-cracks under finite precritical deformation**
TURAN DİNCEL A., AKBAROV S.
INTERNATIONAL APPLIED MECHANICS, vol.46, no.3, pp.359-365, 2010 (Scopus)
- XIV. **On loss of stability of a strip with two parallel macro-cracks under finite precritical deformation**
TURAN A., AKBAROV S.
International Applied Mechanics, vol.46, no.3, pp.359-365, 2010 (ESCI)
- XV. **Axisymmetric longitudinal wave propagation in a finite prestrained circular cylinder embedded in a finite prestrained compressible medium**
AKBAROV S., Guliev M.
International Applied Mechanics, vol.45, no.11, pp.1257-1267, 2009 (ESCI)
- XVI. **Axisymmetric longitudinal wave propagation in a finite prestretched compound circular cylinder made of incompressible materials**
AKBAROV S., Guliev M.
International Applied Mechanics, vol.45, no.10, pp.1141-1151, 2009 (ESCI)
- XVII. **Mechanics of curved composites (the piecewise homogeneous body model)**
Akbarov S., Guz' A.
Prikladnaya Mekhanika, vol.38, no.12, pp.3-32, 2002 (Scopus)
- XVIII. **Continuum approaches in the mechanics of curved composites and related problems for members of constructions**
Akbarov S., Guz' A.
Prikladnaya Mekhanika, vol.38, no.11, pp.3-31, 2002 (Scopus)
- XIX. **On the natural vibrations of the composite plate-strip with macro-cracks**
Rzaev O., Akbarov S.
Prikladnaya Mekhanika, vol.38, no.10, pp.138-142, 2002 (Scopus)
- XX. **Stability of a strip fabricated of a multi-layered composite material with a curved structure**
Akbarov S., Selim S.
Prikladnaya Mekhanika, vol.37, no.6, pp.137-141, 2001 (Scopus)

Books & Book Chapters

- I. **Dynamics of Pre-Strained bi-material elastic systems: Linearized Three-dimensional Approach**
Akbarov S.
Springer, London/Berlin , Berlin, 2015
- II. **Stability Loss and Buckling delamination: Three-Dimensional Linearized Approach for elastic and Viscoelastic Composites**
Akbarov S.
Springer, London/Berlin , Berlin, 2013
- III. **Mechanics of curved composites**
Akbarov S., Guz A.

Kluwer Academic Publishers, Dordrecht, 2000

IV. **Mechanics Of Materials With Curved Structures (in Russian)**

Akbarov S., Guz A., Movsumov E., Mustafayev S.

Nauka Dumka, Kyiv, 1995

Refereed Congress / Symposium Publications in Proceedings

- I. **ON THE FLOW OF THE COMPRESSIBLE VISCOUS FLUID LOCATED BETWEEN THE ORTHOTROPIC PLATE AND RIGID WALL CAUSED BY THE MOVING LOAD ACTING ON THE PLATE**
AKBAROV S., Huseynova T. V.
7th International Conference on Control and Optimization with Industrial Applications (COIA), ELECTR NETWORK, 26 - 28 August 2020, pp.53-55
- II. **ON SOME PARTICULARITIES OF THE WAVE PROPAGATION IN THE INHOMOGENEOUSLY PRE-STRESSED HOLLOW CYLINDER CONTAINED A COMPRESSIBLE INVISCID FLUID**
AKBAROV S., Valiyev G. J.
7th International Conference on Control and Optimization with Industrial Applications (COIA), ELECTR NETWORK, 26 - 28 August 2020, pp.53-55
- III. **İçi Boş Sandviç Kürenin Doğal Titreşim Frekanslarına Levhalar Arası Kusurlu Temas Koşullarının Etkisi**
Sevdimaliyev Y., Akbarov S., Yahnioglu N.
Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, vol.1, pp.342-352
- IV. **The "Gyroscopic Effect" on Interface Stresses in a "Hollow Cylinder + Surrounding Medium" System Under Action of the Oscillating-Moving Ring Load in the Interior of the Cylinder**
Akbarov S., Mehdiyev M.
Ulusal Mekanik Konferansi, Niğde, Turkey, 2 - 06 September 2019, vol.1, pp.368-371
- V. **Time-Harmonic Forced Vibration of a HydroElastic System Consisting of the Anisotropic Plate, Compressible Viscous Fluid and Rigid Wall**
Hyseynova T., Akbarov S.
Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, vol.1, pp.364-367
- VI. **The Influence of Inhomogeneous Initial Stresses on the Dispersion of Axisymmetric Longitudinal Wave Propagating in the Hollow Cylinder**
Akbarov S., Bagirov E.
Ulusal Mekanik Konferansi, Niğde, Turkey, 2 - 06 September 2019, vol.1, pp.361-363
- VII. **INFLUENCE OF THE INHOMOGENEOUS INITIAL STRESS ON THE NATURAL FREQUENCIES OF A FLUID-FILLED HOLLOW SPHERE MADE OF FGM**
AKBAROV S., ÇİLLİ A., YAHNİOĞLU N.
5th International Conference on Computational and Experimental Science and Engineering (ICCESN 2018), Antalya, Turkey, 12 October 2018, vol.1, no.1, pp.217
- VIII. **EFFECTS OF THE MATERIAL CONSTANTS ON THE TORSIONAL VIBRATION OF A HOLLOW SPHERE WITH THE INHOMOGENEOUS INITIAL STRESSES**
AKBAROV S., YAHNİOĞLU N., Guliyev H. H.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS KYIV - UKRAINE, Kiev, Ukraine, 28 August 2018, vol.1, pp.1
- IX. **Parametric resonance of the system consisting of the circular cylinder and surrounding elastic medium under action in the interior of the cylinder time-harmonic oscillating moving load**
Mehdiyev M., AKBAROV S.
6th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 11 July 2018, vol.2, pp.135-138
- X. **3D FEM analysis of a buckling delamination of a piezoelectric sandwich rectangular plate with interface edge cracks**

AYLIKCI F., AKBAROV S., YAHNIOĞLU N.

4th International Conference on Mechanics of Composites, Madrid, Spain, 09 July 2018, pp.50

- XI. **MATHEMATICAL MODELLING AND THEORETICAL STUDY ON THE TUNNEL+SOIL SYSTEMS**
AKBAROV S., Mehdiyev M.
1ST INTERNATIONAL CONFERENCE ON INNOVATIONS IN NATURAL SCIENCE AND ENGINEERING, Famagusta, Cyprus (Kkct), 03 January 2018, vol.1, no.1, pp.5-6
- XII. **FREE VIBRATION OF A FLUID-FILLED HOLLOW SPHERE WITH INHOMOGENEOUS INITIAL STRESS**
AKBAROV S., YAHNIOĞLU N., Guliyev H. H.
International Conference on Innovations in Natural Science and Engineering (ICINSE 2018), Famagusta, Cyprus (Kkct), 03 January 2018, vol.1, no.1, pp.3-4
- XIII. **Buckling delamination of a PZT/Metal/PZT sandwich rectangular thick plate with closed- circuit conditions**
AYLIKCI F., YAHNIOĞLU N., AKBAROV S.
1st International Conference on Innovations in Natural Science and Engineering, Famagusta, Cyprus (Kkct), 03 January 2018, pp.25
- XIV. **On one integral criterion of reliability of geoinformation**
Guliyev H. H., AKBAROV S., YAHNIOĞLU N., Sevdimaliyev Y. M.
17th International Conference on Geoinformatics: Theoretical and Applied Aspects, Kyiv, Ukraine, 14 - 17 May 2018, no.1
- XV. **PARAMETRIC RESONANCE OF THE SYSTEM CONSISTING OF THE CIRCULAR HOLLOW CYLINDER AND SURROUNDING ELASTIC MEDIUM UNDER ACTION IN THE INTERIOR**
Mehdiyev M. A., AKBAROV S.
6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 July 2018, pp.270-272
- XVI. **THE RESPONSE OF AN INFINITE ELASTIC MEDIUM WITH INHOMOGENEOUS INITIAL STRESSES TO MOVING RING LOAD IN A CYLINDRICAL CAVITY**
Bagirov E. T., Akbarov S., Seyfullayev A. I.
6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 July 2018, pp.92-94
- XVII. **Natural Vibration of a Multilayered Hollow Sphere Filled with a Compressible Fluid**
AKBAROV S., YAHNIOĞLU N., Guliyev H. H.
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- XVIII. **ON THE DISCRETE-ANALYTICAL SOLUTION METHOD FOR INVESTIGATION DYNAMICAL PROBLEMS OF THE SPHERE WITH INHOMOGENEOUS INITIAL STRESSES**
AKBAROV S., Guliyev H. H., YAHNIOĞLU N.
13th International Conference on Vibration Problems, Guwahati, India, 29 November 2017, pp.1-15
- XIX. **Dispersion of the seismic rayleigh waves in elastic crustal layer on viscoelastic mantle**
AKBAROV S., Negin M.
4th ICEES-International Earthquake Engineering and Seismology Conference, Eskişehir, Turkey, 11 October 2017, pp.1-10
- XX. **Calculation and 3D ERR Analyses in the band crack front contained in the rectangular plate made of multilayered material Rectangular Plate Made of Multilayered Material**
TURAN DİNCEL A., AKBAROV S.
4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 04 October 2017, vol.1, no.1, pp.516
- XXI. **HOMOJEN OLMAYAN ÖNGERİLME İÇEREN İÇİ BOŞ KÜRENİN TORSİYONEL TİTREŞİMİ**
AKBAROV S., YAHNIOĞLU N., Guliyev H. H.
XX. Ulusal Mekanik Kongresi, Bursa, Turkey, 05 September 2017, pp.1-6
- XXII. **On some particularities of the influence of the fluid viscosity on the frequency response of a viscoelastic plate loaded with this fluid**

AKBAROV S., Zamanov A., Ismailov M.

The 2017 World Congress on Advances in Structural Engineering and Mechanics (ASEM17), Seoul, South Korea, 28 August 2017, vol.1, pp.50

- XXIII. **An Investigation on the Free Vibration of a Sphere with Inhomogeneous Initial Stresses**
AKBAROV S., YAHNIOĞLU N., Guliyev H. H.
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapeşte, Hungary, 15 August 2017, pp.175
- XXIV. **Buckling delamination of the circular sandwich plate with piezoelectric face and elastic core layers under rotationally symmetric external pressure**
AKBAROV S., Cafarova F. I., YAHNIOĞLU N.
Turkish Physical Society 32nd International Physics Congress, TPS 2016, Konacik-Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XXV. **DISPERSION OF AXISYMMETRIC LONGITUDINAL WAVES IN A SOLID CYLINDER MADE OF VISCOELASTIC MATERIAL**
Akbarov S., Kocal T., Kepceler T.
61st The IIER International Conference, Osaka, Japan, 16th February 2016, Osaka, Japan, 01 February 2016, pp.24-29
- XXVI. **Viskoelastik Malzemeden Yapılmış İki Katlı İçi Boş Dairesel Silindirde Eksenel Simetrik Boyuna Dalgaların Dispersiyonu**
Akbarov S., Koçal T., Kepceler T.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, vol.1, pp.1-12
- XXVII. **FONKSİYONEL DERECELENDİRİLMİŞ MALZEMEDEN YAPILMIŞ İÇİ BOŞ ÜÇKATLI KÜRENİN TORSİYONEL SERBEST TİTREŞİMİNİN DİSKRİT ANALİTİK YÖNTEMLE İNCELENMESİ**
SURKHAY A., YAHNIOĞLU N.
XIX. ULUSAL MEKANİK KONGRESİ, Turkey, 24 - 28 August 2015
- XXVIII. **Stress Distribution in the Infinite Elastic Body with a Periodical Curved Carbon Nanotube**
Köşker R., Akbarov S., Gülten İ.
3rd International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2014), Vienna, Austria, 25 - 28 August 2014, pp.251
- XXIX. **The influence of the bonded imperfectness on torsional wave dispersion in the finitely pre-strained hollow bi-material compound circular cylinder made of highly-elastic material**
AKBAROV S., Kepceler T., Karafaki E.
01 July 2014
- XXX. **A theoretical investigation of an imperfectly bonded bi-layered plate strip comprising aluminum and steel**
AKBAROV S., HAZAR E., ERÖZ M.
01 July 2014
- XXXI. **The Influence of Initial Stresses on a Pre-stressed Orthotropic Plate-strip with Finite Length**
AKBAROV S., Eröz M.
01 July 2014
- XXXII. **PİEZOELEKTRİK MALZEMEDEN YAPILMIŞ SANDVIÇ PLAK ŞERİTİN DELAMİNASYON BURKULMASI**
SURKHAY A., YAHNIOĞLU N.
XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013, pp.31-42
- XXXIII. **ÖN GERİLMELİ PİEZOELEKTRİK ÖRTÜ TABAKASI VE ÖN GERİLMELİ ELASTİK YARI DÜZLEM DEN OLUŞAN SİSTEMDE GENELLEŞTİRİLMİŞ RAYLEİGH DALGALARININ DİSPERSİYONU**
SURKHAY A., KURT İ., SEZER S.
XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013, pp.21-29
- XXXIV. **İDEAL OLMAYAN TEMAS KOŞULLARIYLA BİRLEŞMİŞ PİEZOELEKTRİK TABAKA VE PİEZOELEKTRİK YARI SONSUZ DÜZLEM DEN OLUŞAN SİSTEMİN HARMONİK YÜKLEME ETKİSİNDEKİ DİNAMİK DAVRANIŞI**
SURKHAY A., İLHAN N., KOÇ N.

- XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013, pp.1-9
- XXXV. **On the Frequency Response of the System Consisting of a Pre-stresses Metal Elastic Plate, Compressible Viscous Fluid and Rigid Wall**
AKBAROV S., Ismailov M.
National Academy of Sciences of Azerbaijan, 01 May 2014, pp.77-79
- XXXVI. **TEK YÖNLÜ DÜŞÜK YOĞUNLUKLU İÇİ BOŞ YEREL EĞRİLİKLİ LİFLER İÇEREN KOMPOZİTLERİN BASINÇ ALTINDA KIRILMASININ TEORİK LİMİTİ**
SURKHAY A., KÖŞKER R., ÇOBAN F.
XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013, pp.10-20
- XXXVII. **Frequency response of a pre-stressed elastic metal plate under compressible viscous fluid loading**
AKBAROV S.
01 November 2013, pp.21-22
- XXXVIII. **The influence of the interaction between the periodically located row of fibers in a composite materials on the stress distribution**
Köşker R., Akbarov S., Uçan Y.
XVII. International Conference on Mechanics of Composite Materials (MCM-2012), Riga, Latvia, 28 May - 02 June 2012, vol.1, no.1, pp.119
- XXXIX. **The Influence of The Interaction Between The Periodically Located Row of Fibers in a Composite Materials on the Stress Distribution**
KÖŞKER R., AKBAROV S., UÇAN Y.
seventeenth International Conference Mechanics of Composite Materials, Riga, Latvia, 28 May - 01 June 2012, pp.119
- XL. **Internal Stability Loss of a Row Unidirected Periodically Located Fibers in the Visco-elastic Matrix**
AKBAROV S., KÖŞKER R., UÇAN Y.
International Conference on Computational & Experimental Engineering and Sciences (ICCES-12), Girit, Greece, 30 April 2012, vol.1, pp.47-48
- XLI. **Influence of the Initial strains of Face Layers on the Torsional Wave Propagation in a Hollow Sandwich Cylinder (Soft Core and Stiff Face Layers)**
AKBAROV S., Kepceler T., Egilmez M. M.
01 May 2012, pp.24
- XLII. **Zamana göre harmonik değişen yük etkisi altındaki piezoelektrik tabaka ve piezoelektrik yarı sonsuz düzlemden oluşan sistemin dinamik davranışı**
SURKHAY A., İLHAN N.
XVII Ulusal Mekanik Kongresi, Turkey, 6 - 09 September 2011, pp.43-48
- XLIII. **Buckling Delamination of Elastic and Viscoelastic Composite Plates with Cracks**
AKBAROV S.
01 May 2012, pp.25
- XLIV. **Buckling Delamination of a Sandwich Plate-Strip with Elastic Core and Piezoelectric face Layers**
AKBAROV S., Yahnioglu N.
01 April 2012, pp.46
- XLV. **Torsional wave propagation in sandwich hollow cylinder with pre-strained face (Core) Layers (Layer)**
AKBAROV S., KEPCELER T., Mert Egilmez M., DİKMEN F.
14th International Conference on Advances in Materials and Processing Technologies, AMPT 2011, İstanbul, Turkey, 13 - 16 July 2011, vol.445, pp.1094-1099
- XLVI. **On the dispersion of the axisymmetric longitudinal waves in the pre-strained bi-layered hollow cylinder under imperfect contact between the layers**
AKBAROV S., Ipek C.
ASME 2011 International Mechanical Engineering Congress and Exposition, IMECE 2011, Denver, CO, United States Of America, 11 - 17 November 2011, vol.8, pp.831-838
- XLVII. **Torsional wave dispersion in a pre-strained hollow sandwich cylinder with soft core**

Akbarov S., Kepceler T., Mert Egilmez M.

ASME 2011 International Mechanical Engineering Congress and Exposition, IMECE 2011, Denver, CO, United States Of America, 11 - 17 November 2011, vol.8, pp.821-830

- XLVIII. **The dispersion of the axisymmetric longitudinal waves in the pre-strained bi-material hollow cylinder with the imperfect interface condition**
AKBAROV S., Ipek C.
01 September 2011, vol.1, pp.693-698
- XLIX. **On the stress field caused by the time harmonic force in the system consisting of the piezoelectric covering layer and piezoelectric half-plane**
AKBAROV S., İlhan N.
01 September 2011, vol.1, pp.261-267
- L. **Torsional wave propagation in a pre-strained hollow three-layered circular cylinder**
Akbarov S., KEPCELER T., Egilmez M. M.
10th International Conference on Vibration Problems, ICOVP 2011, Prague, Czech Republic, 5 - 08 September 2011, vol.139, pp.681-686
- LI. **Natural Vibration of an Initial Stressed Rectangular Composite Thick Plate with Two Neighboring Oval Cylindrical Holes**
AKBAROV S., YAHNİOĞLU N., YEŞİL Ü.
10th Biennial International Conference on Vibration Problems (ICOVP), Prague, Czech Republic, 5 - 08 September 2011, pp.162-167
- LII. **On the stress field caused by the time harmonic force in the system consisting of the piezoelectric covering layer and piezoelectric half-plane**
AKBAROV S., İlhan N.
10th International Conference on Vibration Problems, ICOVP 2011, Prague, Czech Republic, 5 - 08 September 2011, vol.139, pp.261-267
- LIII. **On the dynamics of the oscillating moving point load acting on the system comprising a pre-stressed layer and pre-stressed half-space**
AKBAROV S., İlhan N., Temugan A.
10th International Conference on Vibration Problems, ICOVP 2011, Prague, Czech Republic, 5 - 08 September 2011, vol.139, pp.255-260
- LIV. **The dispersion of the axisymmetric longitudinal waves in the pre-strained bi-material hollow cylinder with the imperfect interface conditions**
AKBAROV S., Ipek C.
10th International Conference on Vibration Problems, ICOVP 2011, Prague, Czech Republic, 5 - 08 September 2011, vol.139, pp.693-698
- LV. **Buckling delamination of a rectangular sandwich thick plate with band cracks**
Akbarov S., YAHNİOĞLU N., Tekin A.
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010, İstanbul, Turkey, 12 - 14 July 2010, vol.2, pp.243-251
- LVI. **Buckling delamination of the rectangular orthotropic thick plate with an edge rectangular crack**
Akbarov S., YAHNİOĞLU N., KARATAŞ E. E.
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010, İstanbul, Turkey, 12 - 14 July 2010, vol.2, pp.193-200
- LVII. **On some particularities of the axisymmetric wave propagation in the initially twisted circular compound cylinders**
Akbarov S., Guliev M., KEPCELER T.
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010, İstanbul, Turkey, 12 - 14 July 2010, vol.2, pp.91-98
- LVIII. **Buckling delamination of a rectangular sandwich thick plate with band cracks**
Akbarov S., Yahnioğlu N., Tekin A.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 July 2010,

pp.243-251

- LIX. **Stress distribution caused by out of plane sinphase locally curving of two neighboring fibers in a composite material**
T. Cinar N., Köşker R., Akbarov S.
Sixteenth International Conference Mechanics of Composite Materials (MCM-2010), Riga, Latvia, 24 - 28 May 2010, pp.58
- LX. **An analysis of buckling delamination of composite rectangular thick plates with an inner rectangular crack**
AKBAROV S., YAHNİOĞLU N., KARATAŞ E. E.
10th International Conference on Computational Structures Technology, CST 2010, Valencia, Spain, 14 - 17 September 2010, vol.93
- LXI. **Axisymmetric wave propagation in the initially twisted circular compound cylinders**
AKBAROV S., Guliev M.
ASME 2009 International Mechanical Engineering Congress and Exposition, IMECE2009, Lake Buena Vista, FL, United States Of America, 13 - 19 November 2009, vol.11, pp.191-198
- LXII. **BUCKLING DELAMINATION OF A RECTANGULAR SANDWICH THICK PLATE WITH BAND CRACKS**
Akbarov S., Yahnioğlu N., Tekin A.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.243-251
- LXIII. **On the dynamics of the harmonic oscillating and moving strip load acting on the system consisting on the pre-stressed covering layer and pre-stressed half-plane**
Ilhan N., Akbarov S.
2009 ASME International Mechanical Engineering Congress and Exposition, IMECE2009, Lake Buena Vista, FL, United States Of America, 13 - 19 November 2009, vol.15, pp.345-358
- LXIV. **ON SOME PARTICULARITIES OF THE AXISYMMETRIC WAVE PROPAGATION IN THE INITIALLY TWISTED CIRCULAR COMPOUND CYLINDERS**
Akbarov S., Guliev M., KEPCELER T.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.91-98
- LXV. **BUCKLING DELAMINATION OF THE RECTANGULAR ORTHOTROPIC THICK PLATE WITH AN EDGE RECTANGULAR CRACK**
Akbarov S., Yahnioğlu N., Karatas E. E.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.193-200
- LXVI. **ON THE DYNAMICS OF THE HARMONIC OSCILLATING AND MOVING STRIP LOAD ACTING ON THE SYSTEM CONSISTING ON THE PRE-STRESSED COVERING LAYER AND PRE-STRESSED HALF-PLANE**
Ilhan N., Akbarov S.
ASME International Mechanical Engineering Congress and Exposition, Florida, United States Of America, 13 - 19 November 2009, pp.345-358
- LXVII. **An Analysis of Buckling Delamination of Composite Rectangular Thick Plates with an Inner Rectangular Crack**
AKBAROV S., YAHNİOĞLU N., KARATAŞ E. E.
10th International Conference on Computational Structures Technology, Valencia, Spain, 14 - 17 September 2010, vol.93
- LXVIII. **Rijid zemin üzerine oturan sonlu ön şekil değiştirmeleri olan iki katlı levhaya etki eden titreşimli hareketli yükün dinamiği**
AKBAROV S.
16. Ulusal Mekanik Kongresi 22-26 Haziran 2009 Kayseri, 01 June 2009
- LXIX. **Rijit ortam üzerindeki viskoelastik ve elastik levhadan oluşansistemin hareketli yük etkisindeki dinamik davranışı**
AKBAROV S., İlhan N.

01 June 2009, pp.83-93

- LXX. **Local near-surface failure of layered viscoelastic materials**
AKBAROV S., Aliev E.
01 May 2008, pp.5-6
- LXXI. **Propagation of lamb waves in a sandwich plate of a compressible material with finite initial strains**
AKBAROV S., Zamanov A., Aghasiyev E.
01 May 2008, pp.15
- LXXII. **Forced vibration of a prestressed bilayered plate-strip of finite length resting on a rigid foundation**
AKBAROV S., Yildiz A., ERÖZ M.
01 May 2008, pp.9
- LXXIII. **Dynamical response to a moving load of a prestrained system comprising a substrate and bond and covering layers**
AKBAROV S.
XV International Conference - Mechanics of Composite Materials, May 26 -30, 2008, Riga, Latvia, 01 May 2008
- LXXIV. **Öngerilmeli izotrop levha ve ön gerilmeli anizotrop yarı düzlemden oluşan sistemin hareketli yük etkisindeki dinamik davranışı**
AKBAROV S., İlhan N.
15. Ulusal Mekanik Kongresi, Isparta, Eylül 2007, 01 September 2007
- LXXV. **Dispersion of torsional waves in the compound circular cylinder with initial stresses**
Ozturk A., AKBAROV S.
6TH International Conference of the Balkan Physical Union, İstanbul, Turkey, 22 August 2006 - 26 August 2007, vol.899, pp.795
- LXXVI. **Forced vibration of the pre-stretched simply supported strip containing two neighbouring circular holes**
YAHNİOĞLU N., AKBAROV S.
7th International Conference on Vibration Problems (ICOVP 2005), İstanbul, Turkey, 5 - 09 September 2005, vol.111, pp.511-513
- LXXVII. **On the dynamical stress field in the pre-stretched bilayered strip resting on the rigid foundation**
Guler C., AKBAROV S.
7th International Conference on Vibration Problems (ICOVP 2005), İstanbul, Turkey, 5 - 09 September 2005, vol.111, pp.225-226
- LXXVIII. **On the "resonance" values of the dynamical stress in the system comprises two-axially pre-stretched layer and half-space**
TAŞÇI F., EMİROĞLU İ., Akbarov S.
7th International Conference on Vibration Problems (ICOVP 2005), İstanbul, Turkey, 5 - 09 September 2005, vol.111, pp.469-470
- LXXIX. **Stress Distribution Caused by out of Plane Co-Phase Periodical Curving of Two Neighboring Fibers in a Composite Material,**
Köşker R., Akbarov S.
Conference on Damage in Composite Materials: Non-Destructive Testing and Simulation (CDCM06), Stuttgart, Germany, 18 - 19 September 2006, pp.1-11
- LXXX. **On the critical velocity of a moving load on a pre-strained plate resting on a pre-strained half-plane**
Akbarov S., Güler C., Dincsoy E.
Mechanich of Composite Materials, Riga, Latvia, 29 May - 02 June 2006, pp.6
- LXXXI. **Dynamic (time-harmonic) axisymmetric stress field in a prestrained multilayered slab resting on a rigid foundation**
Zamanov A., Suleimanov T., AKBAROV S.
01 May 2006, pp.227
- LXXXII. **The Fracture of The Visco-Elastic Matrix Containing a Row Unidirected Periodically Located Fibers**
Akbarov S., Köşker R., Uçan Y.
7th International Fracture Conference Proceedings, Kocaeli, Turkey, 19 - 21 October 2005, pp.801-811

- LXXXIII. **Aynı fazlı Periyodik Eğilmiş Sıralı Lif İçeren Sonsuz Elastik Ortamda Geometrik Non lineerinin Gerilme Yayılımına Etkisi**
AKBAROV S., KÖŞKER R., UÇAN Y.
XIV Ulusal Mekanik Kongresi, Hatay, Turkey, 12 September 2005, pp.15-24
- LXXXIV. **Stress Distribution Caused by Anti-Phase Periodical Curving of Row Neighbouring Fibers in a Composite Material Under Geometrical Non-Linear Statement**
Akbarov S., Köşker R., Uçan Y.
Twelfth International Conference on Composites/ Nano Engineering (ICCE-12), Tenerife, Spain, 1 - 06 August 2005, pp.30-31
- LXXXV. **Stress Distribution in an Infinite Elastic Body with a Periodically Curved Row of Fibers**
Akbarov S., Köşker R., Uçan Y.
Thirteenth International Conference, Mechanics of Composite Materials, Riga, Latvia, 16 May 2004, pp.220-221
- LXXXVI. **The Lamb problem for a half-space covered with a biaxially prestretched layer**
Emiroglu I., Tasci F., AKBAROV S.
01 May 2004, pp.54
- LXXXVII. **Stability Loss Problem of the Rectangular Thick Plate from the Composite Material with Periodically Spatially Curved Structure**
AKBAROV S., Selim S., Genc Demiriz I.
01 May 2004, pp.9
- LXXXVIII. **On the influence of the initial tension of the strip with rectangular hole to the stress concentration**
AKBAROV S., Yahnioglu N., Mermer Yucel A.
01 September 2003, pp.3-10
- LXXXIX. **Rayleigh wave propagation in a half-plane covered with a prestressed layer under complete and incomplete interfacial contact**
ÖZİŞİK M., D.AKBAROV S.
MCM-2002 Twelfth Internaitonal Conference (Mechanics of Composite Materials, June 9-13, 2002, Riga-Latvia), Riga, Latvia, 09 June 2002, pp.140
- XC. **Three-Dimensional Stress Analysis For a Thick Plate Fabricated From A Composite Material With a Spatial Locally Curved Structure**
TEKİN TARIM E., AKBAROV S.
MCM-2002 XII INTERNATIONAL CONFERENCE ON MECHANICS OF COMPOSITE MATERIAL, Riga, Latvia, 09 June 2002, pp.204
- XCI. **Stress Distribution in the Infinite Elastic Body with Two Neighboring Periodical Curved Fibers under Geometrical Non-Linear Statement**
AKBAROV S., Köşker R.
01 June 2002
- XCII. **FEM Analyses of The Three-Dimensional Buckling Problem For a Clamped Thick Rectangular Plate From Viscoelastic Composites**
Selim S., Akbarov S.
Twelfth Internatioanl Conference, Mechanics of Composite Materials, Riga, Latvia, 9 - 13 June 2002, pp.177
- XCIII. **Öngerilmeli Tabaka ile Örtülmüş Yarı Düzlemden Boyuna Dalga Yayılımı**
ÖZİŞİK M., D.AKBAROV S.
XII. ULUSAL MEKANİK KONGRESİ, Konya, Turkey, 10 - 14 September 2001, pp.709-717
- XCIV. **Failure of the unidirectional composites in compression**
AKBAROV S.
01 September 2001, pp.3-10
- XCV. **Periyodik eğilmiş iki lif içeren sonsuz elastik ortamda gerilme yayılımı**
AKBAROV S.
XII. Ulusal Mekanik Kongresi-Selçuk Üni., Konya, 10-14 Eylül 2001, 01 September 2001
- XCVI. **Longitudinal Wave Propagation in Half Plane Covered with Pre-Stressed Layer**
ÖZİŞİK M., D.AKBAROV S.

ICCE/8 EIGHT ANNUAL INTERNATIONAL CONFERENCE ON COMPOSITES ENGINEERING, Tenerife, Spain, 5 - 11 August 2001, pp.707-708

- XCVII. **Micro-buckling of a fiber in viskoelastic matrix**
AKBAROV S., Köşker R.
01 July 2000, pp.477-478
- XCVIII. **On the finite element analysis of the influence of the local structural damage of the multilayered thick plate material to the stress distribution**
Akbarov S., Yahnioğlu N.
5th International Conference on Computer Aided Assessment and Control of Localized Damage and Fracture Mechanics, Bologna, Italy, 01 January 1998, pp.187-196
- XCIX. **On distribution of self-balanced stressed in a composite material with antiphasically periodically distorted layers**
AKBAROV S., Verdiyev M.
01 May 1990, pp.184-190
- C. **On the method of problems solution in mechanics of materials with curved layers in geometrically non-linear formulation**
AKBAROV S., Movsumov E.
01 May 1989, pp.130-131
- CI. **On the mechanism of composite materials fracture, resulting from the curving of reinforcing elements, Structural Fracture Mechanism of Composites**
AKBAROV S.
01 May 1988, pp.5-6
- CII. **On the influence of the form of local curving in the structure of laminated composites on the distribution of self-equilibrated stresses (model of piecewise homogenous body)**
AKBAROV S.
01 May 1987, pp.20-22
- CIII. **On the distribution of self equilibrated stresses in laminated composite material with partial curvings in the structure**
AKBAROV S., Aliyev S.
01 May 1986, pp.428-433
- CIV. **On the stressed state in the laminated composite material with spatially curved layers. Non-classical and mixed problem of deformable body mechanics**
AKBAROV S., Verdiyev M.
Institute of Mechanics of the Academy of Sci. of the UKR. SSR, 01 May 1985, pp.2-5
- CV. **On the stressed state in the infinite viscoelastic matrix, reinforced by a single curved fiber, Greep in structures**
AKBAROV S.
01 May 1984, pp.96-97
- CVI. **Dynamic response to a time-harmonic moving load of a system comprising of viscoelastic layer covering a viscoelastic half-space**
Akbarov S., İlhan N., Sahin S.
18th International Conference on Mechanics of Composite Materials, Riga, Latvia, 2 - 06 June 2014, vol.1, pp.21
- CVII. **On the forced vibration of the sytem consisting of a initially strained highly elastic plate, compressible viscouse fluid and rigid wall**
AKBAROV S., Aliyev S., Ismailov M.
The 2017 World Congress on Advances in Structural Engineering and Mechanics (ASEM17), South Korea, vol.1, no.1, pp.67
- CVIII. **On the influence of the initial stresses on the critical velocity on moving ring loadacting in the interior of the hollow cylinder surrounded by an infinite elastic medium**
AKBAROV S., Mehdiyev M.
The 2017 World Congress on Advances in Structural Engineering and Mechanics (ASEM17), South Korea, vol.1,

Supported Projects

Akbarov S., Selim S., Demiriz I., Tarım E., Project Supported by Higher Education Institutions, Delik ve Çatlak İçeren Kompozit Plakların Çekme Durumundaki Yerel Stabilitate Kaybına Ait Matematik Modellemenin Geliştirilmesi ve Sonlu Elemanlar Yöntemi İle İncelenmesi, 2005 - 2008

Akbarov S., Kosker R., Ucan Y., Project Supported by Higher Education Institutions, Biokompozitlerin gerilme durumuna ve kırılmasına ait matematik modellemelerin geliştirilmesi, 2004 - 2006

Köşker R., Akbarov S., Project Supported by Higher Education Institutions, Biokompozitlerin gerilme durumuna ve kırılmasına ait matematik modellemelerin geliştirilmesi , 2004 - 2006

Akbarov S., Project Supported by Higher Education Institutions, Viskoelastik kompozit malzemelerden hazırlanmış yapı elemanlarının üç boyutlu stabilite problemleri, 1999 - 2002

Akbarov S., Selim S., Demiriz I., Project Supported by Higher Education Institutions, Non-Lineer Elastisite Teorisi Denklemlerinin Sonlu Alanlar İçin Olan Sınır Değer Problemlerinin Perturbasyon Yöntemiyle İncelenmesi, 1997 - 2002

Akbarov S., Ören D., Project Supported by Higher Education Institutions, Parçalı homojen ortamların basınç altında dağılmasının teorik olarak incelenmesi, 1999 - 2001

Akbarov S., TUBITAK Project, Viskoelastik kompozit malzemelerden hazırlanmış yapı elemanlarının üç boyutlu stabilite problemleri, 1998 - 2001

Akbarov S., Şişman T. T., Project Supported by Higher Education Institutions, Lokal ve eğrisel yapıya sahip kompozit malzemeden düzenlenmiş yapı elemanlarının sonlu elemanlar metodu ile statik büyüklüklerinin hesaplanması, 1995 - 1998

Metrics

Publication: 385

Citation (WoS): 2081

Citation (Scopus): 2308

H-Index (WoS): 23

H-Index (Scopus): 25

Congress and Symposium Activities

XX. Ulusal Mekanik Kongresi, Invited Speaker, Bursa, Turkey, 2017

17 th International Conference on the Mechanics of Composite Materials, Invited Speaker, Riga, Latvia, 2012

Awards

Akbarov S., Dünya Çapında En Etkili Bilim İnsanları , Plos Biology , August 2019