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Yabancı Diller

Rusça, C1 İleri
İngilizce, C1 İleri

Araştırma Alanları

Katı Cisimler Mekaniği, İnşaat Mühendisliği , Mekanik, Yapı Mekaniği, Makina Mühendisliği, Makina Teorisi ve Dinamiği, Mekanik Titreşimler, Mekanik, Kırılma Mekaniği , Sonlu Elemanlar Yöntemi , Sürekli Ortam Mekaniği, Matematik, Kısmi diferansiyel eşitlikler, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Yıldız Teknik Üniversitesi, Makina, Makina Mühendisliği, 1993 - Devam Ediyor

Verdiği Dersler

ELASTİSİTE TEORİSİNE GİRİŞ, Doktora, 2016 - 2017
MÜHENDİSLİK MATEMATİĞİ, Yüksek Lisans, 2016 - 2017
PLAK TİTREŞİMLERİNİN ANALİZİNDE NÜMERİK VE YAKLAŞIK YÖNTEMLER, Doktora, 2016 - 2017

Yönetilen Tezler

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

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Dispersion of axisymmetric longitudinal waves propagating in an inhomogeneous prestressed hollow cylinder immersed in an inviscid compressible fluid**
D.AKBAROV S., Bagirov E. T.

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II. **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**
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III. **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**
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IV. **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**
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VII. **3D Nonaxisymmetric Local Stability Loss of a Hollow Cylinder Made of an Anisotropic Viscoelastic Material**
D.AKBAROV S., Anwar M. Y., KÜTÜĞ Z.
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VIII. **Attenuation of quasi-Lamb waves in a hydroelastic system "elastic plate plus compressible viscous fluid plus rigid wall"**
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IX. **Mathematical modeling of the dynamics of a hydroelastic system-A hollow cylinder with inhomogeneous initial stresses and compressible fluid**
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XIII. **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.
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XIV. **The Influence of Imperfect Contact Conditions between Layers of a Hollow Sandwich Sphere on its Natural Frequencies**

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XV. **ON THE NATURAL OSCILLATION OF AN INHOMOGENEOUSLY PRE-STRESSED MULTILAYERED HOLLOW SPHERE FILLED WITH A COMPRESSIBLE FLUID**
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XVI. **3D FEM Analysis of Buckling Delamination of a Piezoelectric Sandwich Rectangular Plate with Interface Edge Cracks**
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XVII. **Dispersion of axisymmetric longitudinal waves in a "hollow cylinder plus surrounding medium" system with inhomogeneous initial stresses**
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XIX. **On attenuation of the seismic Rayleigh waves propagating in an elastic crustal layer over viscoelastic mantle**
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XX. **3D Dynamics of the Oscillating-Moving Load Acting in the Interior of the Hollow Cylinder Surrounded with Elastic Medium**
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XXI. **The influence of the rheological parameters on the dispersion of the flexural waves in a viscoelastic bi-layered hollow cylinder**
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XXIV. **Forced Vibration of the Non-Homogeneously Pre-Stressed System Consisting of the Hollow Cylinder and Surrounding Medium**
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XXV. **Buckling delamination of a PZT/Metal/PZT sandwich rectangular thick plate containing interface inner band cracks**
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XXVI. **FORCED VIBRATION OF THE HYDRO-VISCOELASTIC AND -ELASTIC SYSTEMS CONSISTING OF THE VISCOELASTIC OR ELASTIC PLATE, COMPRESSIBLE VISCOUS FLUID AND RIGID WALL: A REVIEW**
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XXVIII. **Three-dimensional dynamics of the moving load acting on the interior of the hollow cylinder surrounded by the elastic medium**
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AKBAROV S., Guliyev H. H., Sevdimaliyev Y. M., YAHNİOĞLU N.
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AKBAROV S., Mehdiyev M. A.
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XXXII. **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.
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XXXIII. **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.
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XXXV. **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, cilt.54, sa.1, ss.61-81, 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.
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XXXVII. **Generalized Rayleigh Wave Dispersion in a Covered Half-space Made of Viscoelastic Materials**
AKBAROV S., Negin M.
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XXXVIII. **The forced vibration of the system consisting of an elastic plate, compressible viscous fluid and rigid wall**
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Structural Engineering and Mechanics, cilt.62, sa.1, ss.113-123, 2017 (SCI-Expanded)

XL. **Three-dimensional analysis of the natural vibration of the three-layered hollow sphere with middle layer made of FGM**

AKBAROV S., GULIYEV H. H., YAHNİOĞLU N.
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XLI. **Buckling delamination of the PZT/Metal/PZT sandwich circular plate-disc with penny-shaped interface cracks**
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L. **Natural vibration of the three-layered solid sphere with middle layer made of FGM: three-dimensional approach**
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LI. **Lamb wave dispersion in a PZT/metal/PZT sandwich plate with imperfect interface**
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LII. **Dispersion of Axisymmetric Longitudinal Waves in A Bi-Material Compound Solid Cylinder Made of Viscoelastic Materials**
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LIII. **FREQUENCY RESPONSE OF A PRE-STRESSED METAL ELASTIC PLATE UNDER COMPRESSIBLE VISCOUS FLUID LOADING**

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LIV. **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**
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CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.108, sa.2, ss.89-112, 2015 (SCI-Expanded)

LV. **Time-Harmonic Lamb Problem for a System Consisting of a Prestressed Piezoelectric Covering Layer and a Prestressed Half-Plane**
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LIX. **3D dynamics of a prestressed stratified half-space under the action of an oscillating moving load**
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LX. **Dynamics of the moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall**
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LXI. **Generalized Rayleigh Wave Dispersion Analysis in a Pre-stressed Elastic Stratified Half-space with Imperfectly Bonded Interfaces**
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Akbarov S., ILHAN N.
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LXIII. **Axisymmetric time-harmonic Lamb's problem for a system comprising a viscoelastic layer covering a viscoelastic half-space**
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AKBAROV S., ISMAILOV M. I.
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LXV. **Flexural Wave Dispersion in Bi-material Compound Solid and Hollow Circular Cylinders**
AKBAROV S.
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LXVI. **Buckling Delamination of a Rectangular Viscoelastic Sandwich Plate Containing Interface Inner Cracks**

Akbarov S., Yahnioğlu N., Tekin A.
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LXVII. **A 3D FEM Analysis of Buckling Delamination of a Rectangular Plate with an Inner Rectangular Crack under a Biaxial Compressive Force**
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LXIX. **Time-harmonic Lamb's problem for a system comprising a piezoelectric layer and piezoelectric half-plane**
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LXX. **On the Axisymmetric Time-harmonic Lamb's Problem for a System Comprising a Half-space and a Covering Layer with Finite Initial Strains**
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LXXI. **Buckling delamination of a sandwich plate-strip with piezoelectric face and elastic core layers**
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LXXII. **Microbuckling of a doublewalled carbon nanotube embedded in an elastic matrix**
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LXXIII. **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)**
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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.
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LXXV. **Flexural wave dispersion in finitely pre-strained solid and hollow circular cylinders made of compressible materials**
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LXXVI. **Buckling delamination of elastic and viscoelastic composite plates with cracks: Survey II (Axisymmetric and 3D problems)**
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LXXVII. **On Axisymmetric Longitudinal Wave Propagation in Double-Walled Carbon Nanotubes**
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LXXXI. **3D Analyses of the symmetric local stability loss of the circular hollow cylinder made from viscoelastic composite material**
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