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### Kişisel Bilgiler

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### Yabancı Diller

Rusça, C1 İleri

İngilizce, C1 İleri

### Araştırma Alanları

Katı Cisimler Mekaniği, İnşaat Mühendisliği, Mekaniğin Yapı Mekaniği, Makina Mühendisliği, Makina Teorisi ve Dinamiği, Mekaniğin Titreşimler, Mekaniğin 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

1. Dispersion of axisymmetric longitudinal waves propagating in an inhomogeneous prestressed hollow cylinder immersed in an inviscid compressible fluid  
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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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- V. **Vibration of a Two-Layer "Metal+PZT" Plate Contacting with Viscous Fluid**  
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- VII. **3D Nonaxisymmetric Local Stability Loss of a Hollow Cylinder Made of an Anisotropic Viscoelastic Material**  
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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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- X. **Dispersion of Torsional Waves in a Hollow Bilayered Cylinder with Initial Inhomogeneous Thermal Stresses**  
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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**  
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- XIV. **The Influence of Imperfect Contact Conditions between Layers of a Hollow Sandwich Sphere on its Natural Frequencies**

- Sevdimaliyev Y. M., Akbarov S., Yahnioğlu N.  
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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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- XVIII. **Influence of prestress on the natural frequency of a fluid-filled FGM sphere**  
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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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- XXIII. **Dynamics of the Moving Ring Load Acting in the System "Hollow Cylinder plus Surrounding Medium" with Inhomogeneous Initial Stresses**  
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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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- XXVII. **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**

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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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- XXIX. **The Influence of the Viscoelasticity on the Axisymmetric Wave Attenuation in a bi-Material Solid Cylinder**  
KOÇAL T., AKBAROV S.  
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- XXX. **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.  
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- XXXI. **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**  
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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**  
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- XXXIV. **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**  
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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**  
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- XXXVI. **Calculation and 3D analyses of ERR in the band crack front contained in a rectangular plate made of multilayered material**  
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- XXXVII. **Generalized Rayleigh Wave Dispersion in a Covered Half-space Made of Viscoelastic Materials**  
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- XXXIX. **Forced vibration of the elastic system consisting of the hollow cylinder and surrounding elastic medium under perfect and imperfect contact**  
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- XL. **Three-dimensional FGM analysis of the natural vibration of the three-layered hollow sphere with middle layer made of FGM**

- AKBAROV S., GULIYEV H. H., YAHNIOĞLU N.  
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- XLII. **Buckling delamination of the PZT/Metal/PZT sandwich circular plate-disc with penny-shaped interface cracks**  
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- XLIV. **Near-surface waves in a system consisting of a covering layer and a half-space with imperfect interface under two-axial initial stresses**  
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- 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.  
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- XLVII. **Dynamics of the oscillating moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall**  
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- XLVIII. **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**  
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- L. **The influence of the initial stresses on Lamb wave dispersion in pre-stressed PZT/Metal/PZT sandwich plates**  
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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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- LV. **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.  
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- LVI. **EFFECT OF IMPERFECT CONTACT ON THE DISPERSION OF GENERALIZED RAYLEIGH WAVES IN A SYSTEM CONSISTING OF A PRESTRESSED LAYER AND A PRESTRESSED HALF-PLANE**  
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- LVII. **On the torsional wave dispersion in a hollow sandwich circular cylinder made from viscoelastic materials**  
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- LVIII. **Influence of an Imperfection of Interfacial Contact on the Dispersion of Flexural Waves in a Compound Cylinder**  
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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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- LXII. **Time-Harmonic Lamb Problem for a System Consisting of an Imperfectly Bonded Orthotropic Covering Layer and an Orthotropic Half-Plane**  
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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- LXIV. **Forced Vibrations of a System Consisting of a Pre-strained Highly Elastic Plate under Compressible Viscous Fluid Loading**  
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- LXV. **Flexural Wave Dispersion in Bi-material Compound Solid and Hollow Circular Cylinders**  
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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**  
AKBAROV S., YAHNIOĞLU N., KARATAŞ E. E.  
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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)**  
Akbarov S., KEPCELER T., Egilmez M. M.  
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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)**  
Akbarov S.  
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- LXXVII. **On Axisymmetric Longitudinal Wave Propagation in Double-Walled Carbon Nanotubes**  
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- LXXVIII. **Buckling delamination of elastic and viscoelastic composite plates with cracks. Survey I: solution method and problems related to the plane strain state**  
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- LXXIX. **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.  
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- LXXX. **The Influence of Third Order Elastic Constants on Axisymmetric Wave Propagation Velocity in the**

## **Two-Layered Pre-Stressed Hollow Cylinder**

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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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AKBAROV S., Ipek C.  
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- 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**  
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## **Metrikler**

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