Prof.Dr. ZAHİR MURADOĞLU

Kişisel Bilgiler

İş Telefonu: +90 262 303 2121
E-posta: zahir@kocaeli.edu.tr
Web: https://avesis.kocaeli.edu.tr/zahir
Posta Adresi: Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Umuttepe Yerleşkesi, 41380, İzmit/KOCAELİ

Eğitim Bilgileri

Doktora, Azerbaycan Bilimler Akademisi, Sibernetik Enstitüsü, Azerbaycan 1985 - 1990
Lisans, Azerbaycan Devlet Üniversitesi, Mekanik-Matematik, Azerbaycan 1976 - 1981

Yabancı Diller

Rusça, B2 Orta Üstü

Yaptığı Tezler

Doktora, Belirsiz Sınırlı Elasto - plastik problemlerin Sayısal Çözümü, Azerbaycan Bilimler Akademisi, Sibernetik Enstitüsü, 1990

Araştırma Alanları

Matematik, Sayısal Analiz, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2008 - Devam Ediyor
Doç.Dr., Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1994 - 2008
Doç.Dr., Azerbaycan Devlet Iktisat Üniversitesi, -, Bilimsel Araştırma Laboratuarı, 1993 - 1994
Uzman, Azerbaycan Devlet Üniversitesi, Mekanik-Matematik, Matematik, 1985 - 1990

Akademik İdari Deneyim

Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2014 - Devam Ediyor
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2011 - 2014

Verdiği Dersler

Sonlu Elemanlar Teorisi I, Doktora, 2018 - 2019, 2019 - 2020
Sonlu Elemanlar Teorisi II, Doktora, 2018 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Determining the Geometrical Sizes of Plates with Internal Hinges by Using Additional Conditions**
Yazici V., MURADOĞLU Z.
ADVANCES IN MATHEMATICAL PHYSICS, cilt.2020, 2020 (SCI İndekslerine Giren Dergi)

II. **A Mathematical Model and Numerical Solution of a Boundary Value Problem for a Multi-Structure Plate**
Yazici V., MURADOĞLU Z.
MATHEMATICS, cilt.7, sa.3, 2019 (SCI İndekslerine Giren Dergi)

III. **Simultaneous determination of the strain hardening exponent, the shear modulus and the elastic stress limit in an inverse problem**
Tatar S., Tinaztepe R., MURADOĞLU Z.
APPLIED MATHEMATICAL MODELLING, cilt.40, ss.6956-6968, 2016 (SCI İndekslerine Giren Dergi)

IV. **Numerical solution of the nonlinear evolutional inverse problem related to elastoplastic torsional problem**
Tatar S., MURADOĞLU Z.
APPLICABLE ANALYSIS, cilt.93, sa.6, ss.1187-1200, 2014 (SCI İndekslerine Giren Dergi)

V. **A modification of the semi-analytic inversion method: determination of the yield stress and a comparison with the parametrization algorithm**
Tatar S., MURADOĞLU Z.
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, cilt.22, sa.4, ss.543-556, 2014 (SCI İndekslerine Giren Dergi)

VI. **Fast inversion algorithm for identification of elastoplastic properties of power hardening materials from limited spherical indentation tests**
Hasanov A., MURADOĞLU Z.
INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, cilt.47, sa.5, ss.526-536, 2012 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

I. **ON THE SOLUTION OF THE HOMOGENEOUS LINEAR CONJUGATION PROBLEM WITH SINGULARITIES OF NONINTEGER ORDER**
Urbanovich T., MURADOĞLU Z.
ADVANCES IN DIFFERENTIAL EQUATIONS AND CONTROL PROCESSES, cilt.19, sa.2, ss.127-138, 2018 (ESCI İndekslerine Giren Dergi)

II. **Determination of Young'xxs Modulus by UsingInitial Data for Different Boundary Conditions**
İLHAN F., MURADOĞLU Z.
Applied Mathematical Sciences, cilt.11, sa.19, ss.913-923, 2017 (Diğer Kurumların Hakemli Dergileri)

III. **Numerical solution of non linear biharmonic equation for elasto plastic bending plate**
İLHAN F., MURADOĞLU Z.
Applied Mathematical Sciences, cilt.9, sa.146, ss.7269-7280, 2015 (Diğer Kurumların Hakemli Dergileri)

IV. **Finite Difference Schemes Obtained by Finite Element Method for Lame System of Equations**
Seyidmamedov Z.
Journal of Kocaeli University, sa.3, ss.41-50, 1996 (Hakemsiz Dergi)

V. **FE Solution of an Axisymmetric Inverse Elasto Plastic Problem Using Penetration Diagram**
SEYİDMAMEDOV Z.
Journal of Kocaeli University, sa.1, ss.7-14, 1994 (Hakemsiz Dergi)

VI. **Numerical solution of quasistatistical elostoplastic contact problem with unknown boundary**
SEYİDMAMEDOV Z.
Soviyet VINITI, sa.1, ss.1-18, 1989 (Hakemsiz Dergi)

VII. **Axisymmetric elastoplastic signorini problem and the numerical method for determining a hardness**

of materials
SEYİDMAMEDOV Z.
Soviyet VINITI, ss.1-20, 1989 (Hakemsiz Dergi)

VIII. **On the method of iteration for solving of elastoplastic contact problems**
HASANOĞLU A., Seyidmamedov Z.
"Numerical Methods of Analysis", sa.1, ss.17-22, 1988 (Hakemsiz Dergi)

IX. **On an algorithms of numerical solution of nonlinear contact problems by program package DRIV SOLV03**
SEYİDMAMEDOV Z., HASANOĞLU A.
"Approximate Methods for Operator Equations", ss.24-34, 1986 (Hakemsiz Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **DETERMINATION INTERLAYER TRANSMISSION CONDITIONSFOR MULTILAYERED MATERIALS BY USING BIQUADRATICFINITE ELEMENTS**
MURADOĞLU Z., URBANOVICH T., YAZICI V.
5th International Congress on Fundamental and Applied Sciences 2018 (ICFAS2018), 18 - 22 Haziran 2018

II. **DETERMINING THE SIZES OF PLATES IN THE PLATESSYSTEM BY USING ADDITIONAL CONDITIONS**
YAZICI V., MURADOĞLU Z.
9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 Kasım 2017, ss.52

III. **NUMERICAL ANALYSIS OF FRICTIONLESS CONTACT PROBLEM FOR A LAMINATED MEDIUM**
MURADOĞLU Z.
9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 Kasım 2017, ss.47

IV. **NUMERICAL APPROXIMATION OF TRANSMISSION CONDITIONS FOR BIHARMONIC EQUATION WITH DISCONTINUOUS COEFFICIENT ON NON-UNIFORM MESH**
YAZICI V., MURADOĞLU Z.
9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 Kasım 2017, ss.53

V. **Numerical Solution of the Non-Linear Biharmonic Equation forDifferent Boundary Conditions**
MURADOĞLU Z.
VIII Annual International Conference ofthe Georgian Mathematical Union, 4 - 08 Eylül 2017, ss.137

VI. **A study for decision making problems by using interval soft sets**
MURADOĞLU Z., GÜNDÜZ Ç.
International scientific conference«Algebraic and geometric methodsof analysis», 31 Mayıs - 05 Haziran 2017

VII. **Transmission Conditions for Plates System Composed of Elastic Plates with Differing Properties**
MURADOĞLU Z., YAZICI V.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, Türkiye, 10 - 12 Mayıs 2017

VIII. **Elasto plastic deformation of an incompressible bendingplate with clamped boundary**
İLHAN F., MURADOĞLU Z.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), 22 - 26 Ağustos 2016, ss.69

IX. **Obtaining Transmission Conditions For Fourth order Ordinary Differential Equations With Discontinuous Coefficients**
YAZICI V., MURADOĞLU Z.
8th International Conference on Image Processing, Wavelet and Applications, 22 - 24 Eylül 2016, ss.72

X. **Determination of an unknown elasticmodulus in an elastoplastic bendingplate based on maximal deflection**
İLHAN F., MURADOĞLU Z.
8th International Conference"Inverse Problems: Modeling and Simulation", 23 - 28 Mayıs 2016

XI. **On Elasto plastic Deformation of a Bending Plate with Simply Supported Boundary**
İLHAN F., MURADOĞLU Z.
International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Türkiye, 8 - 12 Haziran 2015,

ss.118

XII. **Numerıcal Solutıon Of Inverse Coeffıcıent Problem For Nonlınear Bıharmonıc Equatıon**
MURADOĞLU Z., İLHAN F.
The 7th International Conference "Inverse Problems: Modeling and Simulation"(IPMS-2014), Fethiye, 26 - 30
Mayıs 2014, ss.47

XIII. **The Numerical Solution of the Problem Related to Bending of Beams System Which is Consisted of Thin Beams with Different Properties**
Yazıcı V., MURADOĞLU Z.
International Conference on Mathematical Analysis, Differential Equations and Their Applications, Mersin, Türkiye, 4 - 09 Eylül 2012, ss.109

XIV. **Numerical Solution to the Bending Problem for Nonhomogeneous Plate with Different Boundary Conditions**
MURADOĞLU Z., İLHAN F.
International Conference on Mathematical Analysis, Differential Equations and Their Applications, Mersin, Türkiye, 4 - 09 Eylül 2012, ss.78-79

XV. **The numerical solution of an optimal control problem related to the transmission bending problem for an elastic plate**
MURADOĞLU Z., Yazıcı V.
5th International Conference "Inverse Problems: Modeling and Simulation", Antalya, Türkiye, 24 - 29 Mayıs 2010

XVI. **Nonlokal Identification Problem in Nonlinear Ion Transport**
HASANOĞLU A., MURADOĞLU Z.
The Fourth International Conference " Inverse Problems : Modeling and Simulation", Fethiye, Türkiye, 26 - 30
Mayıs 2008, ss.64-65

XVII. **The Mathematical Model and Numerical Solution of the Transmission Problem in a Layered Medium for the Case of İsolation**
MURADOĞLU Z., ÖZBİLGE KAHVECİ E.
International Conference Pioneers Of Bulgarian Mathematics, Sofija, Bulgaristan, 8 - 10 Temmuz 2006

XVIII. **An Inversion Method for Identification of Elastoplastic Properties for Engineering Materials from Limited Spherical Indentation Measurements**
MURADOĞLU Z., HASANOĞLU A.
International Conference Tikhonov and Contemporary Mathematics, Moskva, Rusya, 19 - 25 Temmuz 2006

XIX. **The Mathematical Model of İnterface Problems Without Isolation and Behaviour of Numerical Solution**
ÖZBİLGE KAHVECİ E., MURADOĞLU Z.
International Conference on Modelling and Simulation (MS\'06 Turkey), Konya, Türkiye, 28 - 30 Ağustos 2006

XX. **State discretization step as a regularization parameter in inverse elastoplastic problems**
Seyidmamedov Z.
The International Conference " Inverse Problems : Modeling and Simulation, Fethiye, 7 - 12 Haziran 2004, ss.72-73

XXI. **Modeling of Come off Effects for Deformable Layers Under Indentation**
Seyidmamedov Z.
The First International Conference on Nonlinear Analysis and Nonlinear Modeling, Fethiye, 17 - 22 Temmuz 2001, ss.261-269

XXII. **Reconstruction of The Coefficient of Sturm Liouville Equation by Boundary Measurements**
Seyismamedov Z.
Int. Workshop on Nonlinear and Improperly Posed Problems, Kocaeli, Türkiye, 17 - 22 Ağustos 1998, ss.67-71

XXIII. **Malzemenin Elasto plastik Özelliklerinin Bulunması İle Bağlı Ters Problemin Sayısal Çözümü**
Seyidmamedov Z.
7. Denizli Malzeme Sempozyumu, Denizli, Türkiye, 2 - 04 Nisan 1997, ss.459-464

XXIV. **Numerical Solution of an Inverse Problem Related To Diagnostics of Materials**
Seyidmamedov Z.
Türk Matematik Derneği, VIII. Ulusal Matematik Sempozyumu, Adana, Türkiye, 21 - 23 Eylül 1995, ss.68-71

Desteklenen Projeler

MURADOĞLU Z., Yükseköğretim Kurumları Destekli Proje, Elastik Levhalar Sisteminin Eğilmesi İle İlgili Lineer Olmayan Biharmonik Denklem İçin Optimal Kontrol Probleminin Sayısal Çözümü, 2011 - 2014

Atıflar

Toplam Atıf Sayısı (WOS):16
h-indeksi (WOS):3