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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Mühendisliği, Türkiye 2001 - 2005

Araştırma Alanları

Mühendislik ve Teknoloji

Verdiği Dersler

Yüksek Lisans

Mühendisler İçin Matematiksel Metodlar, Yüksek Lisans, 2015 - 2016

Lisans

Analitik Geometri, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

integral dönüşümler, Lisans, 2016 - 2017, 2015 - 2016

İleri Analiz 1, Lisans, 2015 - 2016

Diferansiyel Denklemler, Lisans, 2014 - 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Operational matrix method approach for fractional partial differential-equations**
TURAN DİNCEL A., TURAL POLAT S. N.
Physica Scripta, cilt.99, sa.12, 2024 (SCI-Expanded)
- II. **Numerical simulation for fractional optimal control problems via euler wavelets**
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- III. **Wavelet methods for fractional electrical circuit equations**
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- IV. **Hermite Wavelet Method for Nonlinear Fractional Differential Equations**
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- V. **Solution Method for Systems of Nonlinear Fractional Differential Equations Using Third Kind**

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- VI. **Euler Wavelet Method as a Numerical Approach for the Solution of Nonlinear Systems of Fractional Differential Equations**
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- VII. **Numerical solution method for multi-term variable order fractional differential equations by shifted Chebyshev polynomials of the third kind**
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- VIII. **Fourth kind Chebyshev Wavelet Method for the solution of multi-term variable order fractional differential equations**
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- IX. **Flow field analysis of grooved surfaces**
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- X. **Solution to fractional-order Riccati differential equations using Euler wavelet method**
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- XI. **Investigation of energy release rate under mode II loading in a rectangular orthotropic plate with a band crack using 3D finite element analysis**
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- XII. **Calculation and 3D analyses of ERR in the bandcrack front contained in a rectangular plate made of multilayered material**
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- XIII. **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**
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- XIV. **On the Energy Release Rate at the Crack Tips in a Finite Pre-Strained Strip**
AKBAROV S., TURAN A.
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- XV. **ENERGY RELEASE RATE IN A PRESTRESSED SANDWICH PLATE-STRIP CONTAINING INTERFACE CRACKS**
AKBAROV S., TURAN A.
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- XVI. **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**
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- XVII. **Influence of initial stresses on stress intensity factors at crack tips in a composite**
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Mechanics Of Composite Materials, cilt.40, ss.299-308, 2004 (SCI-Expanded)

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- I. **Genocchi polynomial method for the multiterm variable-order fractional differential equations**
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- II. **A sine-cosine wavelet method for the approximation solutions of the fractional Bagley-Torvik equation**
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- III. **Efficient Method for the Solution of Fractional-order Differential Equations with Variable Coefficients**
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- IV. **The Effect of the Shear Modulus on Planes which is Perpendicular to the Crack's Edge-planes and Parallel to the Crack's Front on the ERR in an Orthotropic Rectangular Prism with a Band Crack**
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- V. **INFLUENCE OF THE INITIAL STRESSES ON THE ENERGY RELEASERATE IN A COMPOSITE BEAM WITH SINGLE EDGE-CRACK**
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- VI. **The Comparison of the Initial Stresses Influence on Stress Intensity Factor of Mode I and Mode II at the Crack Tips in a Composite Strip**
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- VII. **On loss of stability of a strip with two parallel macro-cracks under finite precritical deformation**
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- VIII. **ÇATLAK İÇEREN ÖNGERİLMELİ ŞERİTTEKİ GERİLME BİRİKİMİ ŞİDDETİ FAKTÖRÜ NÜN SONLU ELEMANLAR YÖNTEMİ İLE HESAPLANMASINDA SİNGÜLER SONLU ELEMANLARIN ETKİSİ**
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Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **A Numerical Method for Linear Fractional Differential Equations**
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International Conference on Applied Physics and Mathematics, Lisbon, Portekiz, 29 - 30 Ocak 2022, ss.47
- II. **Fourth-Kind Chebyshev Wavelets Based Approximation Method for Solving Bagley-Torvik Equation**
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International Natural Science, Engineering and Material Technologies Conference, İstanbul, Türkiye, 9 - 10 Eylül 2019, ss.29
- III. **Taylor Wavelet Method for Solving Fractional-order Differential Equations**
TURAN DİNCEL A.
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- IV. **Investigation of energy release rate under mode II loading in a rectangular orthotropic plate with a band crack using 3D finite element analysis**

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- VI. **Calculation and 3D ERR Analyses in the Band Crack Front Contained in a Rectangular Plate Made of Multilayered Material**
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- VII. **Legendre-Wavelet Galerkin Method for the Solution of Fractional Order Differential Equations System**
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- IX. **On the ERR at the Band Crack Front in a Rectangular Prism**
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- X. **Influence of the Initial Stresses on the Energy Release Rate in a composite beam with single edge crack**
TURAN DİNCEL A.
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- XI. **On the Energy Release Rate in a composite thick plate with band crack**
TURAN DİNCEL A.
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- XII. **Fractional Supersymmetric $sl(2)$: $U35(sl(2))$ and $U36(sl(2))$**
UÇAN Y., KÖŞKER R., TEKERCİOĞLU R., TURAN DİNCEL A.
IECMSA-2013: 2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Kosova, 26 Ağustos 2013, ss.217
- XIII. **Some spectral properties of singular Sturm Liouville problem**
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- XIV. **Energy Release Rate in a Prestressed Sandwich Plate Strip Containing Interfacial Cracks**
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- XV. **The Influence of the Initial Stresses on Stress Intensity Factor of Mode II at the Crack Tips in a Composite Strip**
AKBAROV S., TURAN DİNCEL A.
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- XVI. **On The Energy Release Rate at crack tips in a Finite prestrained strip**
AKBAROV S., TURAN DİNCEL A.
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- XVII. **The Influence of the Finite Initial Strain-State to the SIF of Mode I at the Crack Tips in a Strip**
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- XVIII. **Influence of Initial Stresses on Stress Intensity Factors at Crack Tips in a Composite Strip**
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- XIX. **On the Determination of the SIF at the Macro-Crack Tips in the Pre-stretched Anisotrop Strip**
YAHNİOĞLU N., TURAN DİNCEL A.
6th International Fracture Conference, Konya, Türkiye, 10 Eylül 2003, ss.20-24
- XX. **Çatlak içeren öngerilmeli şeritte gerilme birikimi şiddeti faktörüne öngerilmenin etkisi**
YAHNİOĞLU N., Turan A.
13. Ulusal Mekanik Konferansı 8-12 Eylül 2003 Gaziantep Üniversitesi-Gaziantep, 2003, 01 Eylül 2003
- XXI. **Mathematical Modelling of Friction, Wear and Lubrication in Artificial Hip Joints**
TURAN DİNCEL A., Turan A.
The International Journal of Arts & Sciences (IJAS) Conferences,Orlando,USA

Desteklenen Projeler

- TURAN DİNCEL A., TURAL POLAT S. N., Yükseköğretim Kurumları Destekli Proje, Kesirli mertebeden integro-diferansiyel denklem sistemlerinin nümerik çözümüne Hermite dalgacık metodu yaklaşımı, 2023 - 2024
- TURAN DİNCEL A., TURAL POLAT S. N., Yükseköğretim Kurumları Destekli Proje, Kesirli mertebeden diferansiyel denklem sistemlerinin Euler dalgacık metoduyla nümerik çözümleri, 2023 - 2023
- TURAL POLAT S. N., TURAN DİNCEL A., Yükseköğretim Kurumları Destekli Proje, Kesirli Mertebeden Elektrik Devre Denklemlerinin Dalgacık Yöntemleri ile Yaklaşık Çözümleri, 2021 - 2022
- TURAN DİNCEL A., TURAL POLAT S. N., Şahin P., Yükseköğretim Kurumları Destekli Proje, Kesirli Mertebeden Diferansiyel Denklemlerin Dalgacık Yöntemleriyle Yaklaşık Çözümleri, 2021 - 2022

Metrikler

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H-İndeks (WoS): 3

H-İndeks (Scopus): 4