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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

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

Mühendisler İçin Matematiksel Metodlar, Yüksek Lisans, 2015 - 2016

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 Yayınlanan Makaleler

I. Wavelet methods for fractional electrical circuit equations

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II. Hermite Wavelet Method for Nonlinear Fractional Differential Equations

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IV. Euler Wavelet Method as a Numerical Approach for the Solution of Nonlinear Systems of Fractional Differential Equations

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- VII. **Flow field analysis of grooved surfaces**
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- VIII. **Solution to fractional-order Riccati differential equations using Euler wavelet method**
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- IX. **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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- X. **Calculation and 3D analyses of ERR in the bandcrack front contained in a rectangular plate made of multilayered material**
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- XI. **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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- XV. **Influence of initial stresses on stress intensity factors at crack tips in a composite**
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- III. **Efficient Method for the Solution of Fractional-order Differential Equations with Variable Coefficients**
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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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- III. **Taylor Wavelet Method for Solving Fractional-order Differential Equations**
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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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- X. **Influence of the Initial Stresses on the Energy Release Rate in a composite beam with single edge crack**
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- XI. **On the Energy Release Rate in a composite thick plate with band crack**
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- XII. **Fractional Supersymmetric sl(2): U35(sl(2)) and U36(sl(2))**
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- 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**
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- XX. **Çatlak içeren öngerilmeli şeritte gerilme birikimi şiddeti faktörüne öngerilmenin etkisi**
YAHNİOĞLU N., Turan A.
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Desteklenen Projeler

TURAL POLAT S. N., TURAN DİNCEL A., Yükseköğretim Kurumları Destekli Proje, Kesirli Mertebeden Elektrik Devre Denklemlerinin Dalgacık Yöntemleri ile Yaklaşık Çözümleri, 2021 - 2022

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