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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-6098-2018

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Education Information

Undergraduate, Anadolu University, İşletme Fakültesi, İşletme Bölümü, Turkey 2021 - 2024

Postgraduate, Istanbul Commerce University, İnsan Ve Toplum Bilimleri Fakültesi, İstatistik Bölümü, Turkey 2021 - 2023

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Mühendislik Bilimleri (Dr), Turkey 1996 - 2003

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği (YI) (Tezli), Turkey 1994 - 1996

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1988 - 1993

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

IT, BTSP (Bilgi Teknolojileri Sertifika Programı), Orta Doğu Teknik Üniversitesi, 2023

Occupational Health and Safety, İş Yeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, Ç.S.G.B. İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2016

Occupational Health and Safety, A Sınıfı İş Güvenliği Uzmanlığı, Ç.S.G.B. İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2014

Dissertations

Doctorate, NUMERICAL SIMULATION OF GROUTING, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mühendislik Bilimleri Bölümü, 2003

Postgraduate, STATICAL ANALYSIS OF SHELLS OF REVOLUTION, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 1996

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Hydraulic, Hydromechanics, Mechanical, Building Stability, Mathematics, Differential Equations, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - Continues
Associate Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2014
Assistant Professor, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2009
Research Assistant, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1995 - 2005

Academic and Administrative Experience

Head of Department, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2020
Director Of Junior College, Kocaeli University, Ulaştırma Yüksekokulu, Ulaştırma Yüksekokulu, 2014 - 2020
Head of Department, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2019
Head of Department, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2017
Asteğmen Öğretim Görevlisi, Land War Academy Command, Turkish Military Academy (Dean's Office), 2003 - 2004

Courses

HYDRAULICS, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013
İNŞAAT MÜHENDİSLERİ İÇİN R İLE OLASILIK İSTATİSTİK VE GÜVENİRLİK, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
İNŞAAT MÜHENDİSLERİ İÇİN UYGULAMALI İSTATİSTİK, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
MÜHENDİSLİKTE ANALİTİK YÖNTEMLER I, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
BİTİRME ÇALIŞMASI, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
FLUID MECHANICS, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
NUMERICAL ANALYSIS, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2013 - 2014, 2012 - 2013
İNŞAAT MÜHENDİSLİĞİNDE İŞ SAĞLIĞI GÜVENLİĞİ I, Undergraduate, 2017 - 2018
ELASTİK STABİLİTE, Postgraduate, 2017 - 2018
MESLEKİ YABANCI DİL, Undergraduate, 2017 - 2018, 2016 - 2017
MÜHENDİSLİKTE PERTÜRBASYON YÖNTEMLERİ, Postgraduate, 2016 - 2017
DOĞRUSAL OLMAYAN TİTREŞİMLER VE ANALİTİK TAHMİNİ ÇÖZÜM YÖNTEMLERİ, Postgraduate, 2016 - 2017
INTRODUCTION TO COMPUTATIONAL FLUID DYNAMICS, Undergraduate, 2016 - 2017
AKIŞKANLAR MEKANİĞİ, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
AKIŞKANLAR MEKANİĞİ, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010
HİDROLİK, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010

Advising Theses

Coşkun S. B., Dönen Disklerin Analitik Tahmin Yöntemleriyle Analizi, Doctorate, S.MERT(Student), 2023
Coşkun S. B., Zorlanmış titreşim problemlerinde konvolüsyon integralinin Monte Carlo yöntemi ile hesaplanması, Postgraduate, E.Fabian(Student), 2023

Coşkun S. B., Eksenel simetrik yüklü silindirik kabukların yarı analitik yöntemlerle incelenmesi, Postgraduate, M.Can(Student), 2023

Coşkun S. B., Enkesiti Doğrusal Değişen Nanoçubuğun Boyuna Titreşim Analizi, Postgraduate, Ö.KARA(Student), 2022

Coşkun S. B., Tek ve çok serbestlik dereceli sistemlerin Haar dalgacık yöntemiyle analizi, Postgraduate, E.DOĞAN(Student), 2022

Coşkun S. B., Kömürlü R., YAPI BİLGİ MODELLEMESİNİN (BIM) PROJE YÖNETİMİNDE ZAMAN VE MALİYETE OLAN ETKİSİNİN İNCELENMESİ, Postgraduate, B.SEVER(Student), 2022

Coşkun S. B., Yapı elemanlarının yanal ve eğilmeli burulmalı burkulma problemlerinin yarı analitik yöntemlerle analizi, Doctorate, A.YÜCESOY(Student), 2021

Coşkun S. B., İnşaat Sektöründen Bir Uygulama ile Yapı Bilgi Modellemesi, Postgraduate, C.GELENER(Student), 2019

Coşkun S. B., Elastik euler kolonlarının stabilitesinin diferansiyel dönüşüm yöntemi ile incelenmesi, Postgraduate, S.MEMİŞ(Student), 2019

Coşkun S. B., Elastik zemin üzerindeki açık kesitli ve ince duvarlı kirişlerin burulma titreşimleri ve stabilite analizleri için bazı analitik tahmin yöntemleri, Postgraduate, M.GÖÇER(Student), 2018

Coşkun S. B., Kalın duvarlı silindirlerin ve dönen disklerin geliştirilmiş Adomian ayrıştırma yöntemi ile eksenel simetrik deformasyon analizleri, Postgraduate, Z.Elif(Student), 2018

Coşkun S. B., Yatak katsayısı değişken elastik zemin üzerindeki kirişin eğilme ve titreşim problemlerinin farklı analitik tahmin yöntemleriyle incelenmesi, Postgraduate, H.ALBAYRAK(Student), 2018

Coşkun S. B., Kısmen elastik zemin üzerindeki kiriş titreşiminin Adomian ayrıştırma yöntemi ile analizi, Postgraduate, C.ÇİNÇİN(Student), 2018

Coşkun S. B., Sediment difüzyon reaksiyon denkleminin Fourier serisi tabanlı nümerik ters Laplace yaklaşımı ile çözümü, Postgraduate, S.YÜCE(Student), 2017

Coşkun S. B., Trafik akışında sıkışık trafığe geçiş probleminin adomian ayrıştırma yöntemi ile çözümü, Postgraduate, E.ŞENTÜRK(Student), 2015

Coşkun S. B., Elastik zemin üzerindeki kademeli kirişin homotopi pertürbasyon yöntemi ile serbest titreşim analizi, Postgraduate, Ö.Faruk(Student), 2015

Coşkun S. B., Eğilme rijitliği değişken elastik çubukların kritik burkulma yüklerinin varyasyonel iterasyon yöntemi ile belirlenmesi, Postgraduate, B.CAN(Student), 2009

Coşkun S. B., Çelik kafes kemerli bir köprünün analizi tasarımı, Postgraduate, F.ERCİYES(Student), 2006

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Fırat Üniversitesi, November, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of functionally graded rotating disks via analytical approximation methods**
MERT KUTSAL S., COŞKUN S. B.
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, vol.52, no.9, pp.6348-6367, 2024 (SCI-Expanded)
- II. **Analytical approximations for elastic limit angular velocities of rotating annular disks with hyperbolic thickness**
Kutsal S., COŞKUN S. B.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.45, no.6, 2023 (SCI-Expanded)
- III. **Lateral-Torsional Stability of Rectangular Prismatic Beams Using Some Analytical Approximation Techniques**
Yucesoy A., COŞKUN S. B.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.20, no.2, 2020 (SCI-Expanded)
- IV. **Deformation Analysis of Variable Thickness Rotating Disks Using an Improved Adomian**

Decomposition Technique

Mert Kutsal S., Coşkun S. B.

International Journal of Applied Mechanics, vol.12, 2020 (SCI-Expanded)

- V. **Interpolated variational iteration method for solving the jamming transition problem**
Coşkun S. B., Atay M. T., Şentürk E.
MATHEMATICS AND COMPUTERS IN SIMULATION, vol.166, pp.481-493, 2019 (SCI-Expanded)
- VI. **Solution of jamming transition problem using adomian decomposition method**
Şentürk E., Coşkun S. B., Atay M. T.
ENGINEERING COMPUTATIONS, vol.35, no.5, pp.1950-1964, 2018 (SCI-Expanded)
- VII. **Analytical Solution for Free Vibration Analysis of Beam on Elastic Foundation with Different Support Conditions**
ÖZTÜRK B., COŞKUN S. B.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- VIII. **Numerical and Soft Computing Methods for Characteristic Value Problems of ODE and ODEs Systems**
Atay M. T., Simonetti B., COŞKUN S. B., Venkatesan D., Basaran M. A., Squillante M.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2013, 2013 (SCI-Expanded)
- IX. **Buckling of Euler Columns with a Continuous Elastic Restraint via Homotopy Analysis Method**
Eryılmaz A., Atay M. T., COŞKUN S. B., Basbuk M.
JOURNAL OF APPLIED MATHEMATICS, 2013 (SCI-Expanded)
- X. **The Homotopy Perturbation Method for free vibration analysis of beam on elastic foundation**
ÖZTÜRK B., COŞKUN S. B.
STRUCTURAL ENGINEERING AND MECHANICS, no.4, pp.415-425, 2011 (SCI-Expanded)
- XI. **Determination of Buckling Loads and Mode Shapes of a Heavy Vertical Column under its Own Weight Using the Variational Iteration Method**
Okay F., ATAY M. T., COŞKUN S. B.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.11, no.10, pp.851-857, 2010 (SCI-Expanded)
- XII. **Analysis of Tilt-Buckling of Euler Columns with Varying Flexural Stiffness Using Homotopy Perturbation Method**
Coskun S. B.
MATHEMATICAL MODELLING AND ANALYSIS, vol.15, no.3, pp.275-286, 2010 (SCI-Expanded)
- XIII. **Elastic stability of Euler columns with a continuous elastic restraint using variational iteration method**
ATAY M. T., Coskun S. B.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.58, pp.2528-2534, 2009 (SCI-Expanded)
- XIV. **Determination of critical buckling load for elastic columns of constant and variable cross-sections using variational iteration method**
Coskun S. B., ATAY M. T.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.58, pp.2260-2266, 2009 (SCI-Expanded)
- XV. **Determination of Critical Buckling Loads for Euler Columns of Variable Flexural Stiffness with a Continuous Elastic Restraint Using Homotopy Perturbation Method**
Coskun S. B.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.10, no.2, pp.191-197, 2009 (SCI-Expanded)
- XVI. **Fin efficiency analysis of convective straight fins with temperature dependent thermal conductivity using variational iteration method**
Coskun S. B., ATAY M. T.
APPLIED THERMAL ENGINEERING, vol.28, pp.2345-2352, 2008 (SCI-Expanded)
- XVII. **Effects of nonlinearity on the variational iteration solutions of nonlinear two-point boundary value problems with comparison with respect to finite element analysis**
ATAY M. T., Coskun S. B.

- MATHEMATICAL PROBLEMS IN ENGINEERING, 2008 (SCI-Expanded)
- XVIII. **Comparative Analysis of Power-Law Fin-Type Problems Using Variational Iteration Method and Finite Element Method**
ATAY M. T., Coskun S. B.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2008 (SCI-Expanded)
- XIX. **An exact truncation boundary condition for incompressible fluid domains in dam-reservoir interaction analysis**
Coskun S. B.
ENGINEERING STRUCTURES, vol.29, no.4, pp.635-639, 2007 (SCI-Expanded)
- XX. **Analysis of convective straight and radial fins with temperature-dependent thermal conductivity using variational iteration method with comparison with respect to finite element analysis**
Coskun S. B., ATAY M. T.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2007 (SCI-Expanded)
- XXI. **Transient analysis of dam-reservoir interaction including the reservoir bottom effects**
KÜÇÜKARSLAN S., Coskun S. B., Taskin B.
JOURNAL OF FLUIDS AND STRUCTURES, vol.20, no.8, pp.1073-1084, 2005 (SCI-Expanded)
- XXII. **Transient dynamic analysis of dam-reservoir interaction by coupling DRBEM and FEM**
Küçükarslan S., Coşkun S. B.
ENGINEERING COMPUTATIONS, vol.21, pp.692-707, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Estimation of Manganese Content in Potable Water by Boosting Techniques**
Gocer M., COŞKUN S. B., Yanik B.
JOURNAL OF APPLIED ENGINEERING SCIENCES, no.2, pp.260-267, 2024 (ESCI)
- II. **Project portfolio selection criteria in the oil & gas industry and a decision support tool based on fuzzy Multimoora**
Er A., ÖZKALE C., COŞKUN S. B.
JOURNAL OF PROJECT MANAGEMENT, vol.9, no.2, pp.197-212, 2024 (ESCI)
- III. **Analysis of the Axial Vibration of Non-Uniform and Functionally Graded Rods via an Analytical-Based Numerical Approach**
Kondakci K., COŞKUN S. B.
VIBRATION, vol.6, no.4, pp.876-894, 2023 (ESCI)
- IV. **Credit risk analysis using boosting methods**
COŞKUN S. B., TURANLI M.
JOURNAL OF APPLIED MATHEMATICS STATISTICS AND INFORMATICS, no.1, pp.5-18, 2023 (ESCI)
- V. **Elastic Stress Analysis of Hyperbolic Rotating Disks via Optimal Homotopy Asymptotic Method**
Mert Kutsal S., Coşkun S. B.
International Journal of Engineering Research in Mechanical and Civil Engineering, vol.10, no.4, pp.5-9, 2023 (Peer-Reviewed Journal)
- VI. **Analysis of the motion of a rigid rod on a circular surface using interpolated variational iteration method**
COŞKUN S. B., ŞENTÜRK E., Atay M. T.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.40, no.3, pp.577-584, 2022 (ESCI)
- VII. **Semi-Analytical and Finite Element Investigations of the Vibration of a Stepped Beam on an Elastic Foundation**
Erdoğan H., Coşkun S. B.
Sakarya University Journal of Science, vol.24, no.6, pp.1321-1328, 2020 (Peer-Reviewed Journal)
- VIII. **Kısmen Elastik Zemin Üzerindeki Kiriş Titreşiminin Yarı Analitik ve Nümerik Yöntemler ile**

İncelenmesi

Erdoğan H., Coşkun S. B.

Journal of the Institute of Science and Technology, vol.10, no.4, pp.2679-2691, 2020 (Peer-Reviewed Journal)

- IX. **MODELLING OF PERMEATION GROUTING THROUGH SOILS**
COŞKUN S. B., TOKDEMİR T.
JOURNAL OF APPLIED ENGINEERING SCIENCES, no.1, pp.11-16, 2020 (ESCI)
- X. **Analysis of Beam Vibrations on Partial Elastic Foundation Using Adomian Decomposition Method**
Çinçin C., Coşkun S. B.
Kocaeli Journal of Science and Engineering, vol.2, no.2, pp.28-33, 2019 (Peer-Reviewed Journal)
- XI. **Numerical Analysis of Stiff Differential Equations via Interpolated Variational Iteration Method**
ATAY M. T., ŞAŞ ÇAYCI H. S., ÇİFTÇİ C., COŞKUN S. B., TOKER B., YILDIRIM A. T.
Journal of Basic and Applied Research International, vol.24, pp.15-24, 2018 (Peer-Reviewed Journal)
- XII. **Axisymmetric deformation analysis of thick-walled cylinders and rotating-disks using an improved Adomian decomposition method**
COŞKUN S. B., KARA Z. E.
international journal of mechanics, vol.12, pp.14-18, 2018 (Scopus)
- XIII. **COMPUTATION OF NATURAL PERIODS OF COUPLED SHEAR WALLS USING DIFFERENT METHODS**
Akış T., Coşkun S. B.
Gazi Üniversitesi Fen Bilimleri Dergisi, vol.16, no.4, pp.709-716, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Advances in Computational Stability Analysis**
Coşkun S. B. (Editor)
IntechOpen, London, 2012
- II. **Elastic Stability Analysis of Euler Columns Using Analytical Approximate Techniques**
COŞKUN S. B., ÖZTÜRK B.
in: Advances in Computational Stability Analysis, COŞKUN SAFA BOZKURT, Editor, InTech, 2012
- III. **Transverse Vibration Analysis of Euler-Bernoulli Beams Using Analytical Approximate Techniques**
COŞKUN S. B., ATAY M. T., ÖZTÜRK B.
in: Advances in Vibration Analysis Research, Farzad Ebrahimi, Editor, InTech, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **Stress analysis on Functionally Graded Rotating Cylinders via IADM**
Mert Kutsal S., Coşkun S. B.
ADVANCED PHYSICS; APPLICATIONS AND SCIENTIFIC INNOVATIONS, Barcelona, Spain, 19 - 20 September 2024, pp.17
- II. **Düşey Ağır Kolonun Serbest Titreşiminin Varyasyonel İterasyon Yöntemi ile Analizi**
Mukul M., Coşkun S. B.
ISENSA IV. INTERNATIONAL SYMPOSIUM ON ENGINEERING NATURAL SCIENCES AND ARCHITECTURE, Kocaeli, Turkey, 20 - 21 May 2021, pp.65-68
- III. **Sıvı Dolu Silindirik Tankın Adomian Ayrıştırma Yöntemi ile Analizi**
Ergün M. C., Coşkun S. B.
ISENSA IV. INTERNATIONAL SYMPOSIUM ON ENGINEERING NATURAL SCIENCES AND ARCHITECTURE, Kocaeli, Turkey, 20 - 21 May 2021, pp.57-60
- IV. **Enkesiti Doğrusal Değişen Nanoçubuğun Adomian Ayrıştırma Yöntemi ile Titreşim Analizi**
Kara Ö., Coşkun S. B.
ISENSA IV. INTERNATIONAL SYMPOSIUM ON ENGINEERING NATURAL SCIENCES AND ARCHITECTURE, Kocaeli,

Turkey, 20 - 21 May 2021, pp.68-72

- V. **TSD Sistemlerin Zorlanmış Titreşimlerinin Monte Carlo Yöntemi ile Analizi**
Jimenez-Roa E. F., Coşkun S. B.
ISENSA IV. INTERNATIONAL SYMPOSIUM ON ENGINEERING NATURAL SCIENCES AND ARCHITECTURE, 20 - 21 May 2021, pp.54-57
- VI. **Stability of Nanobeams Via Homotopy Perturbation Method**
COŞKUN S. B., ÖZTÜRK B.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- VII. **Analysis of Longitudinal Vibration of Nanorods Via Homotopy Perturbation Method**
COŞKUN S. B., ÖZTÜRK B.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- VIII. **Analysis of Nanobeam Vibration Using Homotopy Perturbation Method**
COŞKUN S. B., ÖZTÜRK B.
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- IX. **Analysis Of Transverse Vibrations Of Wedge-Shaped Beams Using Adomian Decomposition Method**
KONDAKCI K., COŞKUN S. B.
International Marmara Sciences Congress (IMASCON) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1150-1154
- X. **Analysis of Longitudinal Vibrations of Non-Uniform Rods Using Homotopy Perturbation Method**
KONDAKCI K., COŞKUN S. B.
International Marmara Sciences Congress (IMASCON) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1156-1161
- XI. **Buckling of Nanobeams Using Adomian Decomposition Method**
COŞKUN S. B., MERT KUTSAL S.
4th INTERNATIONAL ENERGY ENGINEERING CONGRESS 2019 (UEMK 2019), Gaziantep, Turkey, 24 - 25 October 2019, pp.601-605
- XII. **Vibration of Nanobeams Using Adomian Decomposition Method**
COŞKUN S. B., MERT KUTSAL S.
4th INTERNATIONAL ENERGY ENGINEERING CONGRESS 2019 (UEMK 2019), Gaziantep, Turkey, 24 - 25 October 2019, pp.606-610
- XIII. **Free Vibration Analysis of Segmented Beams on Elastic Foundation Using a Variational Based Analytical Approach**
COŞKUN S. B.
IESKO 2019 VI. International Earthquake Symposium Kocaeli, Kocaeli, Turkey, 25 - 27 September 2019, pp.570-574
- XIV. **Free Vibration Analysis of Beams Partially Supported by Elastic Foundations Using Homotopy Perturbation Method**
COŞKUN S. B.
IESKO 2019 VI. International Earthquake Symposium, Kocaeli, Turkey, 25 - 27 September 2019, pp.564-569
- XV. **Eğilme Rijitliği Üslü Değişen Kolonların Kritik Burkulma Yüklerinin Diferansiyel Dönüşüm Yöntemi ile Elde Edilmesi**
COŞKUN S. B., Memiş S., ÖZTÜRK B.
21.Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019
- XVI. **AXISYMMETRIC DEFORMATION ANALYSIS OF THICK-WALLED CYLINDERS SUBJECTED TO BOTH INTERNAL AND EXTERNAL PRESSURES USING A SEMI ANALYTICAL APPROACH**
KARA Z. E., COŞKUN S. B.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING (ICAME2018), 19 - 21 December 2018
- XVII. **AXISYMMETRIC DEFORMATION ANALYSIS OF ROTATING-DISKS USING AN IMPPROVED ADOMIAN DECOMPOSITION METHOD**
KARA Z. E., COŞKUN S. B.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING (ICAME2018), 19 - 21 December 2018

- XVIII. **Analytical Approximations for Elastic Stresses and Displacements of Variable Thickness Rotating Disks via Improved Adomian Decomposition Method**
MERT KUTSAL S., COŞKUN S. B.
13th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING (ACE 2018), 12 - 14 September 2018
- XIX. **Is Civil Engineering Education at Kocaeli University Helping Students Realize Their Potentialities?**
ERDOĞAN H., GAZELOĞLU C., ENGIN S., COŞKUN S. B., ATAY M. T., MERT KUTSAL S.
13th International Congress on Advances in Civil Engineering (ACE2018), İzmir, Turkey, 12 - 14 September 2018, pp.1-8
- XX. **SOME ANALYTICAL APPROXIMATE METHODS FOR TORSIONAL VIBRATIONS AND STABILITY OF THIN-WALLED BEAMS ON ELASTIC FOUNDATIONS**
COŞKUN S. B., MERT KUTSAL S., GÖÇER M.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 - 21 December 2017, pp.581
- XXI. **ANALYSIS OF TWIST-BEND BUCKLING OF A CANTILEVER BEAM SUBJECTED TO AN END LOAD VIA ADM AND VIM**
YÜCESOY A., COŞKUN S. B., MERT KUTSAL S.
3rd CONFERENCE ON ADVANCES IN MECHANICAL, İstanbul, Turkey, 19 - 21 December 2017, pp.587
- XXII. **Analysis of Beams on Elastic Foundation Using Artificial Lyapunov Parameter**
MERT KUTSAL S., TEMİZ M. M., COŞKUN S. B.
3rd Conference on Advance in Mechanical Engineering İstanbul 2017-ICAME 2017, İstanbul, Turkey, 19 - 21 December 2017
- XXIII. **ANALYSIS OF BEAMS ON ELASTIC FOUNDATION USING ARTIFICIAL LYAPUNOV PARAMETER**
MERT KUTSAL S., TEMİZ M. M., COŞKUN S. B.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 - 21 December 2017, pp.390
- XXIV. **Analysis of flexural-torsional buckling of rectangular beams via Ritz and power series methods**
MEMİŞ S., ÖZCAN Z., COŞKUN S. B.
15th International Conference of Numerical Analysis and Applied Mathematics 2017 (ICNAAM2017), 25 - 30 September 2017
- XXV. **Axisymmetric deformation analysis of thick-walled cylinders using an improved Adomian decomposition method**
KARA Z. E., COŞKUN S. B.
15th International Conference of Numerical Analysis and Applied Mathematics 2017 (ICNAAM2017), 25 - 30 September 2017
- XXVI. **Twist-bend instability of a cantilever beam subjected to an end load via homotopy perturbation method**
YÜCESOY A., COŞKUN S. B., ATAY M. T.
15th International Conference of Numerical Analysis and Applied Mathematics 2017 (ICNAAM2017), 25 - 30 September 2017
- XXVII. **Some analytical approximate techniques for free vibration analysis of multi stepped beams with different support conditions**
COŞKUN S. B., ERDOĞAN H., ÖZTÜRK B., ATAY M. T.
5th International Earthquake Symposium Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.311-318
- XXVIII. **Free vibration analysis of a two segment stepped beam on elastic foundation using homotopy perturbation method**
COŞKUN S. B., DURGUN Ö. F., MUTMAN U.
5th International Earthquake Symposium 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.301-304
- XXIX. **Free vibration analysis of a beam partially supported on elastic foundation using Adomian decomposition method**
COŞKUN S. B., MUTMAN U., CEBRAİL Ç.
5th International Earthquake Symposium Kocaeli 2015, Kocaeli, Turkey, 10 - 12 June 2015, pp.305-310

- XXX. **Adomian Decomposition Method for vibration of nonuniform Euler Beams on elastic foundation**
COŞKUN S. B., ÖZTÜRK B., MUTMAN U.
Proceedings of the 9th International Conference on Structural Dynamics, EURODDN 2014, Porto, Portugal, 30 June - 02 July 2014, pp.1935-1940
- XXXI. **Homotopy perturbation method for free vibration analysis of beams on elastic foundation**
Ozturk B., COŞKUN S. B., Koc M. Z., Atay M. T.
9th World Congress on Computational Mechanics/4th Asian Pacific Congress on Computational Mechanics, Sydney, Australia, 19 - 23 July 2010, vol.10

Expert Reports

- I. **2015/231-sayılı davaya ilişkin bilirkişi raporu**
Ergül H. A., Karademir A., Gürer Ö. F., Coşkun S. B., Kılıç A.
KOCAELİ 1. İDARE MAHKEMESİ , pp.25, Kocaeli, 2016
- II. **Dolfen Açık Platform ve Denizaltı Petrol Boru Hattı Projesi**
Gürer Ö. F., Coşkun S. B., Karademir A.
KOCAELİ 1. İDARE MAHKEMESİ BAŞKANLIĞI, pp.50, Kocaeli, 2015

Supported Projects

COŞKUN S. B., Project Supported by Higher Education Institutions, Değişken Kesitli Dönen Disklerin Gerilme Ve Deformasyon Problemleri Adomian Ayrıştırma Töntemi İle Analizi, 2019 - 2020
COŞKUN S. B., Project Supported by Higher Education Institutions, YAPI ELEMANLARININ BURULMALI BURKULMA DAVRANIŞLARININ..., 2014 - 2015

Scientific Refereeing

MATHEMATICS AND COMPUTERS IN SIMULATION, SCI Journal, November 2019
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, March 2019
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, May 2018

Metrics

Publication: 72
Citation (WoS): 365
Citation (Scopus): 415
H-Index (WoS): 10
H-Index (Scopus): 10

Non Academic Experience

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