

Prof. Dr. SERKAN DAĞ

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Lehigh University, Makina Mühendisliği, Amerika Birleşik Devletleri 1998 - 2002

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Türkiye 1995 - 1997

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1990 - 1995

Araştırma Alanları

Makina Mühendisliği

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2013 - Devam Ediyor

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2013 - Devam Ediyor

Yönetilen Tezler

DAĞ S., Domain-boundary element method for elastodynamics of functionally graded thick-walled cylinders and annular coatings, Doktora, A.ELRAHİM(Öğrenci), 2022

DAĞ S., Dynamic frictional contact problems involving functionally graded materials, Doktora, M.NURULLAH(Öğrenci), 2018

DAĞ S., Oblique surface cracking and crack closure in an orthotropic medium under contact loading, Yüksek Lisans, S.ERCİHAN(Öğrenci), 2018

DAĞ S., Forced vibration analysis of generally laminated composite beams using domain boundary element method, Yüksek Lisans, Z.AHMED(Öğrenci), 2018

DAĞ S., Free vibration analysis of functionally graded rectangular nano-plates considering spatial variation of the nonlocal parameter, Yüksek Lisans, A.ALİPOUR(Öğrenci), 2017

CİĞEROĞLU E., DAĞ S., New modeling and analysis methods for micro-plates, Doktora, R.AGHAZADEH(Öğrenci), 2017

DAĞ S., Shape optimization of helicopter subfloor intersection element under crash loading, Yüksek Lisans, M.OKAN(Öğrenci), 2017

DAĞ S., Contact mechanics of graded orthotropic coatings, Doktora, O.ARSLAN(Öğrenci), 2016

DAĞ S., Investigation of fatigue behaviour of external stores under fixed wing aircraft platforms during random vibration, Yüksek Lisans, E.OKUR(Öğrenci), 2015

DAĞ S., A surface crack in an orthotropic medium subjected to sliding contact by a rigid stamp, Doktora, D.SARIKAYA(Öğrenci), 2014

DAĞ S., Rijit bir zimba ile kayma temasına maruz kalan ortotropik ortamdaki bir yüzey çatlağı, Doktora, D.Sarıkaya(Öğrenci), 2014

DAĞ S., Isıl ve higroskopik yüklemeye altındaki ortotropik fonksiyonel derecelendirilmiş malzemelerde hesaplamalı yöntemlerle kırılma analizi, Doktora, S.TOPAL(Öğrenci), 2013

CİĞEROĞLU E., DAĞ S., Static and free vibration analyses of small-scale functionally graded beams possessing a variable length scale parameter using different beam theories, Yüksek Lisans, R.AGHAZADEH(Öğrenci), 2013

DAĞ S., Fatigue and fracture analysis of helicopter fuselage structures, Yüksek Lisans, R.ÖZCAN(Öğrenci), 2013

DAĞ S., ORAL S., Design of a vehicle barrier, Yüksek Lisans, E.METİN(Öğrenci), 2013

DAĞ S., Hygrothermal fracture analysis of fibrous composites with variable fiber spacing using Jk-integral, Yüksek Lisans, F.SAEİDİ(Öğrenci), 2013

DAĞ S., Three dimensional fracture analysis of orthotropic materials, Yüksek Lisans, G.AKGÜL(Öğrenci), 2012

DAĞ S., Malzeme özellikleri sıcaklığa bağımlı olan izotropik fonksiyonel derecelendirilmiş malzemelerde bulunan eğik çatlakların gerilme şiddet çarpanları Jk-integral yöntemi ile hesaplanması, Yüksek Lisans, M.YEGANEHPOOR(Öğrenci), 2012

DAĞ S., Tek yönlü kompozit malzemelerin higrotermal kırılma analizi için Jk-integral metodu, Yüksek Lisans, O.ARSLAN(Öğrenci), 2011

Dağ S., Yazıcıoğlu Y., Vibration fatigue analysis of structures under broadband excitation, Yüksek Lisans, B.KOÇER(Öğrenci), 2010

DAĞ S., Mechanical characterization and modelling of porous polymeric materials manufactured by selective laser sintering, Yüksek Lisans, C.MURAT(Öğrenci), 2009

DAĞ S., YAMAN İ. Ö., Finite element simulation of crack propagation for steel fiber reinforced concrete, Yüksek Lisans, K.ÖZENÇ(Öğrenci), 2009

Dağ S., Gökler M. I., Finite element analysis of a micro satellite structure under vibration induced loads during launch, Yüksek Lisans, S.ONTAÇ(Öğrenci), 2008

DAĞ S., Stress and fracture analysis of riveted joints, Yüksek Lisans, G.KEÇELİOĞLU(Öğrenci), 2008

KADIOĞLU F. S., DAĞ S., Computational 3d fracture analysis in axisymmetric media, Yüksek Lisans, Ö.ÜNAL(Öğrenci), 2008

DAĞ S., Jk-integral formulation and implementation for thermally loaded orthotropic functionally graded materials, Yüksek Lisans, E.ERHAN(Öğrenci), 2008

DAĞ S., Storage reliability analysis of solid rocket propellants, Yüksek Lisans, M.SİNAN(Öğrenci), 2008

DAĞ S., Mixed-mode fracture analysis of orthotropic FGM coatings under mechanical and thermal loads, Doktora, K.AYŞE(Öğrenci), 2007

DAĞ S., Three dimensional fracture analysis of fillet welds, Yüksek Lisans, F.FIÇICI(Öğrenci), 2007

DAĞ S., A finite elements based approach for fracture analysis of welded joints in construction machinery, Yüksek Lisans, T.KARAGÖZ(Öğrenci), 2007

DAĞ S., Three dimensional mixed mode fracture analysis of functionally graded materials, Yüksek Lisans, S.KÖŞKER(Öğrenci), 2007

DAĞ S., KADIOĞLU F. S., Buckling driven delamination of orthotropic functionally graded materials, Yüksek Lisans, S.YILMAZ(Öğrenci), 2006

DAĞ S., Thermal stress intensity factor evaluation for inclined cracks in functionally graded materials using Jk-integral method, Yüksek Lisans, B.DEMİRÇİVİ(Öğrenci), 2006

DAĞ S., Fatigue crack growth analysis models for functionally graded materials, Yüksek Lisans, B.SABUNCUOĞLU(Öğrenci), 2006

- DAĞ S., Fonksiyonel olarak derecelendirilmiş malzemeler için yorulma çatlakları ilerlemesi analiz modelleri, Yüksek Lisans, B.Sabuncuoğlu(Öğrenci), 2006
- DAĞ S., Contact mechanics of graded materials with two-dimensional material property variations, Yüksek Lisans, K.GÖKAY(Öğrenci), 2005
- DAĞ S., Mixed-mode fracture analysis of orthotropic functionally graded materials, Yüksek Lisans, D.SARIKAYA(Öğrenci), 2005
- DAĞ S., Three dimensional fracture analysis of FGM coatings, Yüksek Lisans, Ö.İNAN(Öğrenci), 2004
- DAĞ S., Fonksiyonel derecelendirilmiş malzemelerden yapılmış termal bariyer kaplamalarındaki kenar çatlaklarının süreksiz rejimde sonlu elemanlar metodu ile incelenmesi, Yüksek Lisans, E.GÜLİN(Öğrenci), 2004
- DAĞ S., Automated design analysis of anti-roll bars, Yüksek Lisans, K.ÇALIŞKAN(Öğrenci), 2003
- DAĞ S., Yanal yönde elastik derecelenmiş bir yüzeyin temas mekaniği, Yüksek Lisans, A.Cihan(Öğrenci), 2003
- DAĞ S., Contact mechanics of a graded surface with elastic gradation in lateral direction, Yüksek Lisans, A.CİHAN(Öğrenci), 2003

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Effects of translaminar edge crack and fiber angle on fracture toughness and crack propagation behaviors of laminated carbon fiber composites**
Asan A. M., Kaman M. O., DAĞ S., Erdem S., Turan K.
International Journal of Materials Research, cilt.115, sa.6, ss.446-462, 2024 (SCI-Expanded)
- II. **Investigation of the translaminar fracture behavior of the fiber-reinforced composites stitched perpendicular to their plane**
Asan A. M., Kaman M. O., DAĞ S., Erdem S., Turan K.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, cilt.46, sa.5, 2024 (SCI-Expanded)
- III. **MAGNETOELECTROELASTIC RESPONSE OF FUNCTIONALLY GRADED MULTIFERROIC COATINGS UNDER MOVING HERTZIAN CONTACT**
TOKTAŞ S. E., DAĞ S.
Journal of Mechanics of Materials and Structures, cilt.19, sa.3, ss.343-371, 2024 (SCI-Expanded)
- IV. **Cracking of a functionally graded coating due to sliding contact with heat generation**
BALCI M. N., DAĞ S., YILDIRIM B.
Fatigue and Fracture of Engineering Materials and Structures, cilt.46, sa.12, ss.4628-4648, 2023 (SCI-Expanded)
- V. **Mechanics of moving contacts involving functionally graded multiferroics**
TOKTAŞ S. E., DAĞ S.
Archives of Mechanics, cilt.75, sa.4, ss.431-468, 2023 (SCI-Expanded)
- VI. **Computational elastodynamics of functionally graded thick-walled cylinders and annular coatings subjected to pressure shocks**
Abeidi A., DAĞ S.
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, cilt.200, 2022 (SCI-Expanded)
- VII. **Multi-layer model for moving contact problems of functionally graded coatings with general variations in physical properties**
TOKTAŞ S. E., DAĞ S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, cilt.236, sa.10, ss.1967-1980, 2022 (SCI-Expanded)
- VIII. **Stresses in multi-layer coatings in Hertzian contact with a moving circular punch**
TOKTAŞ S. E., DAĞ S.
Tribology International, cilt.171, 2022 (SCI-Expanded)
- IX. **Transient dynamic analysis of functionally graded micro-beams considering small-scale effects**
Eshraghi I., Dag S.
ARCHIVES OF MECHANICS, cilt.73, sa.4, ss.303-337, 2021 (SCI-Expanded)
- X. **Oblique surface cracking and crack closure in an orthotropic medium under contact loading**

TOKTAŞ S. E., DAĞ S.

THEORETICAL AND APPLIED FRACTURE MECHANICS, cilt.109, 2020 (SCI-Expanded)

- XI. **Forced vibrations of functionally graded annular and circular plates by domain-boundary element method**
Eshraghi I., DAĞ S.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.100, sa.8, 2020 (SCI-Expanded)
- XII. **Moving contact problems involving a rigid punch and a functionally graded coating**
Balci M. N., DAĞ S.
APPLIED MATHEMATICAL MODELLING, cilt.81, ss.855-886, 2020 (SCI-Expanded)
- XIII. **Mechanics of dynamic contact of coated substrate and rigid cylindrical ended punch**
Balci M. N., DAĞ S.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, cilt.33, sa.5, ss.2225-2240, 2019 (SCI-Expanded)
- XIV. **Solution of the dynamic frictional contact problem between a functionally graded coating and a moving cylindrical punch**
BALCI M. N., DAĞ S.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.161, ss.267-281, 2019 (SCI-Expanded)
- XV. **Thermal effect on bending, buckling and free vibration of functionally graded rectangular micro-plates possessing a variable length scale parameter**
Aghazadeh R., Dağ S., Ciğeroğlu E.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, cilt.24, ss.3549-3572, 2018 (SCI-Expanded)
- XVI. **Dynamic frictional contact problems involving elastic coatings**
BALCI M. N., DAĞ S.
TRIBOLOGY INTERNATIONAL, cilt.124, ss.70-92, 2018 (SCI-Expanded)
- XVII. **Hyperbolic heat conduction based weight function method for thermal fracture of functionally graded hollow cylinders**
Eshraghi I., Soltani N., DAĞ S.
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, cilt.165, ss.249-262, 2018 (SCI-Expanded)
- XVIII. **Modelling of graded rectangular micro-plates with variable length scale parameters**
Aghazadeh R., Dağ S., Ciğeroğlu E.
STRUCTURAL ENGINEERING AND MECHANICS, cilt.65, ss.573-585, 2018 (SCI-Expanded)
- XIX. **Domain-boundary element method for elastodynamics of functionally graded Timoshenko beams**
Eshraghi I., DAĞ S.
COMPUTERS & STRUCTURES, cilt.195, ss.113-125, 2018 (SCI-Expanded)
- XX. **Contact mechanics problem between an orthotropic graded coating and a rigid punch of an arbitrary profile**
ARSLAN O., DAĞ S.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.135, ss.541-554, 2018 (SCI-Expanded)
- XXI. **Subsurface stresses in graded coatings subjected to frictional contact with heat generation**
BALCI M. N., DAĞ S., YILDIRIM B.
JOURNAL OF THERMAL STRESSES, cilt.40, sa.4, ss.517-534, 2017 (SCI-Expanded)
- XXII. **Free vibration analysis of functionally graded rectangular nanoplates considering spatial variation of the nonlocal parameter**
Ghassabı A. A., Dağ S., Ciğeroğlu E.
ARCHIVES OF MECHANICS, cilt.69, ss.105-130, 2017 (SCI-Expanded)
- XXIII. **Surface cracking in an orthotropic medium subjected to frictional contact**
Sarıkaya D., DAĞ S.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.90, ss.1-11, 2016 (SCI-Expanded)
- XXIV. **Bending and free vibrations of functionally graded annular and circular micro-plates under thermal loading**
Eshraghi I., DAĞ S., Soltani N.

- COMPOSITE STRUCTURES, cilt.137, ss.196-207, 2016 (SCI-Expanded)
- XXV. **Consideration of spatial variation of the friction coefficient in contact mechanics analysis of laterally graded materials**
DAĞ S.
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.96, sa.1, ss.121-136, 2016 (SCI-Expanded)
- XXVI. **Weight function method for transient thermomechanical fracture analysis of a functionally graded hollow cylinder possessing a circumferential crack**
Eshraghi I., Soltani N., DAĞ S.
JOURNAL OF THERMAL STRESSES, cilt.39, sa.10, ss.1182-1199, 2016 (SCI-Expanded)
- XXVII. **Analysis of frictional contacts with heat generation considering temperature dependent properties**
BALCI M. N., YILDIRIM B., DAĞ S.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.101, ss.59-69, 2015 (SCI-Expanded)
- XXVIII. **Consideration of spatial variation of the length scale parameter in static and dynamic analyses of functionally graded annular and circular micro-plates**
Eshraghi I., DAĞ S., Soltani N.
COMPOSITES PART B-ENGINEERING, cilt.78, ss.338-348, 2015 (SCI-Expanded)
- XXIX. **Static and free vibration analyses of small-scale functionally graded beams possessing a variable length scale parameter using different beam theories**
Aghazadeh R., Ciğeroğlu E., Dağ S.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, cilt.46, ss.1-11, 2014 (SCI-Expanded)
- XXX. **Production of graded porous polyamide structures and polyamide-epoxy composites via selective laser sintering**
Jande Y. A. C., ERDAL ERDOĞMUŞ M., DAĞ S.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, cilt.33, sa.11, ss.1017-1036, 2014 (SCI-Expanded)
- XXXI. **Computational Methods for Inclined Cracks in Orthotropic Functionally Graded Materials Under Thermal Stresses**
DAĞ S., YILDIRIM B., TOPAL S.
JOURNAL OF THERMAL STRESSES, cilt.36, sa.10, ss.1001-1026, 2013 (SCI-Expanded)
- XXXII. **Frictional Hertzian contact between a laterally graded elastic medium and a rigid circular stamp**
DAĞ S., GÜLER M. A., YILDIRIM B., Ozatag A. C.
ACTA MECHANICA, cilt.224, sa.8, ss.1773-1789, 2013 (SCI-Expanded)
- XXXIII. **Hygrothermal Fracture Analysis of Orthotropic Functionally Graded Materials Using $J(k)$ -Integral-Based Methods**
TOPAL S., DAĞ S.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- XXXIV. **Three dimensional computational analysis of fatigue crack propagation in functionally graded materials**
Sabuncuoğlu B., DAĞ S., YILDIRIM B.
COMPUTATIONAL MATERIALS SCIENCE, cilt.52, sa.1, ss.246-252, 2012 (SCI-Expanded)
- XXXV. **A surface crack in a graded coating subjected to sliding frictional contact**
DAĞ S., APATAY T., GÜLER M. A., Gulgeç M.
ENGINEERING FRACTURE MECHANICS, cilt.80, ss.72-91, 2012 (SCI-Expanded)
- XXXVI. **HYGROTHERMAL FRACTURE ANALYSIS OF ORTHOTROPIC MATERIALS USING $J(k)$ -INTEGRAL**
DAĞ S., YILDIRIM B., Arslan O., Arman E. E.
JOURNAL OF THERMAL STRESSES, cilt.35, sa.7, ss.596-613, 2012 (SCI-Expanded)
- XXXVII. **Computation of thermal fracture parameters for orthotropic functionally graded materials using $J(k)$ -integral**
DAĞ S., Arman E. E., YILDIRIM B.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.47, ss.3480-3488, 2010 (SCI-Expanded)
- XXXVIII. **Subsurface contact stresses in functionally graded coatings loaded by a frictional flat stamp**

Fonksiyonel derecelendirilmiş kaplamalarda sürtünmeli rijit zımba etki-siyle oluşan yüzeyaltı temas gerilmeleri

APATAY T., DAĞ S., Güler M. A., Gülgeç M.

Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.25, sa.3, ss.611-623, 2010 (SCI-Expanded)

- XXXIX. **Sliding frictional contact between a rigid punch and a laterally graded elastic medium**
DAĞ S., GÜLER M. A., Yidirim B., Ozatag A. C.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.46, ss.4038-4053, 2009 (SCI-Expanded)
- XL. **Computation of Thermal Fracture Parameters for Inclined Cracks in Functionally Graded Materials Using Jk-Integral**
DAĞ S., YILDIRIM B.
JOURNAL OF THERMAL STRESSES, cilt.32, sa.5, ss.530-556, 2009 (SCI-Expanded)
- XLI. **Mixed-mode fracture analysis of orthotropic functionally graded material coatings using analytical and computational methods**
DAĞ S., İlhan K. A.
JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME, cilt.75, sa.5, 2008 (SCI-Expanded)
- XLII. **Mixed-mode fracture analysis of orthotropic functionally graded materials under mechanical and thermal loads**
Dag S., Yildirim B., Sarikaya D.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.44, sa.24, ss.7816-7840, 2007 (SCI-Expanded)
- XLIII. **A surface crack in a graded coating bonded to a homogeneous substrate under general loading conditions**
El-Borgi S., Abdelmoula R., DAĞ S., Lajnef N.
JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES, cilt.2, sa.7, ss.1331-1353, 2007 (SCI-Expanded)
- XLIV. **Mixed-mode fracture analysis of functionally graded materials under thermal stresses: A new approach using J(k)-integral**
Dag S.
JOURNAL OF THERMAL STRESSES, cilt.30, sa.3, ss.269-296, 2007 (SCI-Expanded)
- XLV. **Thermal fracture analysis of orthotropic functionally graded materials using an equivalent domain integral approach**
Dag S.
ENGINEERING FRACTURE MECHANICS, cilt.73, sa.18, ss.2802-2828, 2006 (SCI-Expanded)
- XLVI. **Circumferential crack problem for an fgm cylinder under thermal stresses**
DAĞ S., Kadioğlu S., Yahşi O. S.
Journal of Thermal Stresses, cilt.22, sa.7, ss.659-687, 1999 (SCI-Expanded)
- XLVII. **Crack problem for a functionally graded layer on an elastic foundation**
Kadioğlu S., DAĞ S., Yahşi S.
International Journal of Fracture, cilt.94, sa.1, ss.63-77, 1998 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Domain-boundary element method for forced vibrations of fiber-reinforced laminated beams**
Ahmed Z., Eshraghi I., DAĞ S.
INTERNATIONAL JOURNAL FOR COMPUTATIONAL METHODS IN ENGINEERING SCIENCE & MECHANICS, cilt.21, sa.3, ss.141-158, 2020 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Rastgele Derecelendirilmiş Kaplama ile Yarı-Dairesel Zımba Arasındaki Hareketli Temas Problemi**

Üzerine

Toktaş S. E., Dağ S.

Contact Mechanics International Symposium, Lausanne, İsviçre, 23 - 25 Mayıs 2022, ss.19

- II. **MIXED-MODE HYGROTHERMAL FRACTURE ANALYSIS OF ORTHOTROPIC FUNCTIONALLY GRADED MATERIALS USING J-INTEGRAL**
TOPAL S., DAĞ S.
12th ASME Biennial Conference on Engineering Systems Design and Analysis (ESDA2014), Copenhagen, Danimarka, 25 - 27 Haziran 2014
- III. **On the generation of a loading history with zero mean for structures subjected to multiaxial variable stresses**
Kocer B., Yazıcıoğlu Y., Dağ S.
The Ninth International Conference on Multiaxial Fatigue & Fracture ICMFF 2010, Parma, İtalya, 7 - 09 Haziran 2010, ss.211-218
- IV. **Manufacturing of Functionally Graded Porous Products by Selective Laser Sintering**
ERDAL ERDOĞMUŞ M., DAĞ S., Jande Y., Tekin C. M.
10th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sendai, Japonya, 22 - 25 Eylül 2008, ss.253-258
- V. **Three Dimensional Modeling of Inclined Surface Cracks in FGM Coatings**
Kosker S., DAĞ S., YILDIRIM B.
10th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sendai, Japonya, 22 - 25 Eylül 2008, ss.109-110
- VI. **Mechanical modeling of Thin Films Bonded to Functionally Graded Materials**
GÜLER M. A., Gulver Y. F., DAĞ S.
10th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sendai, Japonya, 22 - 25 Eylül 2008, ss.333-334
- VII. **Structural finite element analysis of stiffened and honeycomb panels of the RASAT satellite**
Ontac S., DAĞ S., Goekler M. I.
3rd International Conference on Recent Advances in Space Technologies, İstanbul, Türkiye, 14 - 16 Haziran 2007, ss.171-172
- VIII. **Mixed-mode stress intensity factors for an embedded crack in an orthotropic FGM coating**
DAĞ S., İlhan K. A., Erdogan F.
9th International Conference on Multiscale and Functionally Graded Materials, Hawaii, Amerika Birleşik Devletleri, 15 - 18 Ekim 2006, cilt.973, ss.16-17
- IX. **The frictional contact problem of sliding rigid parabolic stamps on graded materials**
GÜLER M. A., Erdogan F., DAĞ S.
9th International Conference on Multiscale and Functionally Graded Materials, Hawaii, Amerika Birleşik Devletleri, 15 - 18 Ekim 2006, cilt.973, ss.784-785
- X. **Fatigue crack growth analysis models for functionally graded materials**
DAĞ S., Sabuncuoglu B., YILDIRIM B.
9th International Conference on Multiscale and Functionally Graded Materials, Hawaii, Amerika Birleşik Devletleri, 15 - 18 Ekim 2006, cilt.973, ss.423-424
- XI. **Three dimensional analysis of periodic cracking in FGM coatings under thermal stresses**
DAĞ S., Yildirin B., Erdogan F.
9th International Conference on Multiscale and Functionally Graded Materials, Hawaii, Amerika Birleşik Devletleri, 15 - 18 Ekim 2006, cilt.973, ss.676-677
- XII. **Modeling of thin films and cover plates bonded to graded substrates**
GÜLER M. A., Erdogan F., DAĞ S.
9th International Conference on Multiscale and Functionally Graded Materials, Hawaii, Amerika Birleşik Devletleri, 15 - 18 Ekim 2006, cilt.973, ss.790-791
- XIII. **Contact mechanics of graded materials: Analyses using singular integral equations**
Dag S.

Desteklenen Projeler

DAĞ S., TÜBİTAK Projesi, Çok Katmanlı Ve Fonksiyonel Derecelendirilmiş Manyeto-Elektro-Elastik Kaplamaların Hareketli Temas Modellemesi, 2022 - 2023

Kaman M. O., Dağ S., Turan K., TÜBİTAK Projesi, Düzlemine dik doğrultuda dikilmiş fiber takviyeli kompozitlerde translaminar kırılma davranışının araştırılması, 2021 - 2023

DAĞ S., TÜBİTAK Projesi, Mikro-Plakların Modelleme Ve Analizi İçin Yeni Yöntemler, 2014 - 2016

DAĞ S., TÜBİTAK Projesi, İleri Malzemelerin Higrotermal Kırılma Analizi İçin Hesaplamalı Yöntemler, 2010 - 2012

Bilimsel Dergilerdeki Faaliyetler

SN Applied Sciences, Editörler Kurulu Üyesi, 2019 - Devam Ediyor

Bilimsel Hakemlikler

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, DMR HAVACILIK MAKİNA MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ , Türkiye, Ocak 2024

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, SCI-E Kapsamındaki Dergi, Kasım 2022

ACTA MECHANICA, SCI-E Kapsamındaki Dergi, Ekim 2022

COMPOSITE STRUCTURES, SCI-E Kapsamındaki Dergi, Ekim 2022

MECHANICS OF MATERIALS, SCI-E Kapsamındaki Dergi, Ekim 2022

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