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Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi/Matematik, Turkey 2000 - 2006

Postgraduate, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi/Fen Bilimleri Enstitüsü/Matematik, Turkey 1997 - 1999

Undergraduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1987 - 1993

Foreign Languages

English, B2 Upper Intermediate

German, B2 Upper Intermediate

Dissertations

Doctorate, Yerel Eğrilikli Tek lif Ve Sarılı Tek Lif İçeren Sonsuz Ortamların Gerilme Durumuna Ait Nonlineer Sınır Değer Problemleri, Yıldız Teknik Üniversitesi, Fbe Matematik Anabilimdalı, Matematik, 2006

Postgraduate, Modüler Grupların Alt Grupları, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik/Matematik, 1999

Research Areas

Civil Engineering, Mechanical, Mathematics, Multivariate Complex Functions and Analytic Spaces, General Mathematics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2019 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2007 - 2018

Courses

SOYUT MATEMATİK, Undergraduate, 2015 - 2016, 2016 - 2017

BİTİRME TEZİ, Undergraduate, 2013 - 2014, 2016 - 2017

MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Undergraduate, 2016 - 2017
MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI(2.ÖĞRETİM), Undergraduate, 2014 - 2015
BİTİRME TEZİ , Undergraduate, 2013 - 2014, 2014 - 2015
MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Undergraduate, 2013 - 2014

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Normal Stresses in an Infinite Elastic Body with a locally Curved and Hollow Nanofiber**
ŞİMŞEK ALAN K.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.44, no.1, pp.1-21, 2014 (Journal Indexed in SCI)
- II. **ANALYSIS OF STRESSES IN AN INFINITE ELASTIC BODY WITH A LOCALLY CURVED COVERED NANOFIBER**
Alan K. S. , AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.47, no.3, pp.343-358, 2011 (Journal Indexed in SCI)
- III. **The Self-Balanced Shear Stresses in the Elastic Body with a Locally Curved Covered Fiber**
Alan K. S. , Akbarov S.
ADVANCES IN MECHANICAL ENGINEERING, 2010 (Journal Indexed in SCI)
- IV. **Stress distribution in an infinite elastic body with a locally curved fiber in a geometrically nonlinear statement**
Akbarov S., Kosker R., Simsek K.
MECHANICS OF COMPOSITE MATERIALS, vol.41, no.4, pp.291-302, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Solution Approach for a Class of Parametric Linear Programming Problems**
Sivri M., Albayrak F. İ. , Şimşek Alan K., Temelcan G.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.4, pp.2901-2906, 2020 (National Refreed University Journal)
- II. **A Novel Alternative Algorithm for Solving Integer Linear Programming Problems Having Three Variables**
Alan K.
CYBERNETICS AND INFORMATION TECHNOLOGIES, vol.20, no.4, pp.27-35, 2020 (Journal Indexed in ESCI)
- III. **An Alternative Algorithm for Solving Pure Integer Linear Programming Problems Having Two Variables**
ŞİMŞEK ALAN K., SİVRİ M., ALBAYRAK F. İ. , GÜLER C.
International Journal of Applied Information Systems, 2019 (Refreed Journals of Other Institutions)
- IV. **Normal Stress Analysis In an Infinite Elastic Body With A Locally Curved Carbon Nanotube**
ŞİMŞEK ALAN K.
Sakarya University Journal of Science, vol.22, no.6, pp.1931-1938, 2018 (Other Refreed National Journals)
- V. **The Normal Stress Distribution in an Infinite Elastic Body with a Locally Curved and Hollow Fiber under Geometrical Nonlinear Statement**
Şimşek Alan K.
NONLINEAR ANALYSIS AND DIFFERENTIAL EQUATIONS, vol.4, no.6, pp.295-304, 2016 (Refreed Journals of Other Institutions)
- VI. **ON THE NORMAL STRESSES IN THE ELASTIC BODY WITH A LOCALLYCURVED FIBRE UNDER GEOMETRIC NONLINEAR STATEMENT**
KÖŞKER R., ŞİMŞEK ALAN K.

Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.3, pp.97-108, 2007 (Other Refereed National Journals)

VII. NORMAL STRESSES IN THE ELASTIC BODY WITH A LOCALLY CURVED COVERED FIBRE

KÖŞKER R., ŞİMŞEK ALAN K.

Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.25, no.3, pp.223-235, 2006 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Algorithm for Solving Pure Integer Linear Programming Problems**
SİVRİ M., ALBAYRAK F. İ., Gönce Kocken H., ŞİMŞEK ALAN K.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2019, 10 March - 13 October 2019
- II. **A study on normal stress in an infinite elastic body with a locally curved carbon nanotube**
Alan K.
International Conference of Mathematical Sciences 2018, ICMS 2018, İstanbul, Turkey, 31 July - 06 August 2018, vol.2086
- III. **The Effect of Geometric Nonlinearity on Self-Balanced Normal Stress Distribution in Infinite Elastic Body With a Single Locally Curved Hollow Fiber and Nanofiber and Comparison of Results**
ŞİMŞEK ALAN K.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2019, 10 - 13 March 2019
- IV. **Investigation of the Normal Stress In An Infinite Elastic Body With A Locally Curved Carbon Nanotube**
ŞİMŞEK ALAN K.
2nd INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES, İstanbul, Turkey, 31 July - 06 August 2018
- V. **Examination Of The Self- Balanced Normal Stress In An Elastic Body With A Single Locally Curved And Hollow Nanofiber**
ŞİMŞEK ALAN K.
2nd INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES, İstanbul, Turkey, 31 July - 06 August 2018, pp.163
- VI. **The Normal Stress Distribution In An Elastic Body with a Locally Curved and Hollow Fiber**
ŞİMŞEK ALAN K.
International Conference On Engineering and Natural Sciences, 24 - 28 May 2016
- VII. **On The Self-Balanced Normal Stresses in the Elastic body with a Locally Curved and hollow fiber**
ŞİMŞEK ALAN K.
2'nd International Conference on Engineering and Natural Sciences (ICENS2016), Sarajeva, Albania, 24 May 2016, pp.211
- VIII. **STRESS ANALYSE IN AN ELASTIC BODY WITH A LOCALLY CURVED AND HOLLOW FIBER**
ŞİMŞEK ALAN K.
2'nd Global Conference on Materials Sciences, 17 - 19 October 2015
- IX. **Stress analysis in an infinite elastic body with a locally curved covered nanofiber,**
ŞİMŞEK ALAN K., Akbarov S.
MCM 2010, 01 May 2010
- X. **GEOMETRİK NONLİNEER İTİ DURUMUNDA YEREL EĞRİLİKLİ ÖRTÜKLÜ LİF İÇEREN ELASTİK ORTAMDAKİ KENDİ-KENDİ DENGELEYEN NORMAL GERİLMELER**
ŞİMŞEK ALAN K.
XVI. Ulusal Mekanik kongresi, Kayseri, Turkey, 22 - 26 June 2009, vol.1, pp.175-180
- XI. **Tek Yönlü Düşük Yoğunluklu Lifli Kompozitlerin Basınç Altında Kırılmasının Teorik Limiti**
Köşker R., Akbarov S., Şimşek Alan K.
XIV. Ulusal Mekanik Kongresi, Hatay, Turkey, 12 - 16 September 2005, pp.25-34
- XII. **On the theoretical strength limit in compression of viscoelastic unidirectional fibrous composite**

materials

AKBAROV S. D. , KÖŞKER R., ŞİMŞEK ALAN K.

IFC 7 th international Fracture Conference, Kocaeli, Turkey, 19 - 21 October 2005, vol.2, no.2, pp.791-800

XIII. Stress Distribution in an Infinite Elastic Body with a Locally Curved Fibers in a Geometrically Non-Linear Statement

Akbarov S., Köşker R., Şimşek Alan K.

Thirteenth International Conference Mechanics of Composite Materials (MCM-2004), Riga, Latvia, 16 - 20 May 2004, pp.8

Supported Projects

ŞİMŞEK ALAN K., Other Supported Projects, 24-07-03-01:Biokompozitlerin gerilme durumuna ve kırılmasına ait matematik modellemelerin geliştirilmesi, 2004 - 2006

Citations

Total Citations (WOS):14

h-index (WOS):2