



IŞIM DEMİRİZ

ASST. PROF.

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Learning Knowledge

Doctorate 1997 - 2003	Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik Bölümü, Turkey
Postgraduate 1988 - 1990	Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, Turkey
Undergraduate 1984 - 1988	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Assistant Professor 2018 - Continues	Yıldız Technical University, Matematik
Assistant Professor 2004 - 2018	Yıldız Technical University, Matematik
Research Assistant 1989 - 2003	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik

Supported Projects

1. Akbarov S., Selim S., Demiriz I., Tarım E., Project Supported by Higher Education Institutions, Delik ve Çatlak İçeren

Kompozit Plakların Çekme Durumundaki Yerel Stabilitate Kaybına Ait Matematik Modellemenin Geliştirilmesi ve Sonlu Elemanlar Yöntemi İle İncelenmesi, 2005 - 2008

2. Akbarov S., Selim S., Demiriz I., Project Supported by Higher Education Institutions, Non-Linear Elastisite Teorisi Denklemlerinin Sonlu Alanlar İçin Olan Sınır Değer Problemlerinin Perturbasyon Yöntemiyle İncelenmesi, 1997 - 2002
3. DEMİRİZ I., Project Supported by Higher Education Institutions, A-Optimal Dizaynların $n > 6$ İçin Elde Edilmesi, 1992 - 1993

Awards

1. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Yıldız Teknik Üniversitesi, July 2005
2. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Tübitak, September 2004
3. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Tübitak, September 2003

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

1. **Buckling instability of a thick rectangular plate of a composite material with a spatially periodically curved structure**
Akbarov S., Selim S., Demiriz I.
MECHANICS OF COMPOSITE MATERIALS, vol.40, pp.389-396, 2004 (Journal Indexed in SCI)
2. **Stress analysis for a thick rectangular plate of a composite material with a spatially periodically curved structure under forced vibration**
Demiriz I., Akbarov S.
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.3, pp.235-244, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **A study of convergence of ξ approximations transform by region depended given as determined by $\sigma_n(t)$ Functions on entire complex plane**
Demiriz I.
Mathematical Modeling, vol.2020, no.4, pp.104-105, 2020 (Refereed Journals of Other Institutions)
2. **Investigation of convergence of ξ approximations on complex number plane**
Demiriz I.
mathematical modelling, vol.2, no.4, pp.134-135, 2018 (Refereed Journals of Other Institutions)
3. **Natural and forced Vibration of the Thick Plate Fabricated From the Spatially Curved Composite, Yıldız Teknik Üniversitesi Dergisi**
DEMİRİZ I.
Yıldız Teknik Üniversitesi Dergisi, vol.2003, no.4, pp.102-114, 2003 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **A study of convergence of ξ approximations transform by region depended given as determined by $\sigma_n(t)$ Functions on entire complex plane**
Demiriz I.
IV INTERNATIONAL SCIENTIFIC CONFERENCE "MATHEMATICAL MODELING", Plovdiv, Bulgaria, 9 - 12 December 2020, vol.4, no.1, pp.39-40
2. **Investigation of Convergence of Ksi Approximations on Complex Number Plane**
DEMİRİZ I.

II. International Scientific Conference Mathematical Modelling, Borovets, Bulgaria, 12 December 2018, vol.1, no.2, pp.28-29

3. **Kesirli Türevde Son Yaklaşımlar**
DEMİRİZ I., Değerli K.
30. Ulusal Matematik Sempozyumu, Ankara, Turkey, 06 September 2017, pp.22
4. **MODELLING AND PROGRAMMING WITH FINITE ELEMENT METHOD (FEM) OF PARTIAL DIFFERENTIAL EQUATIONS WITH NON-LINEAR VARIABLE COEFFICIENTS IN AN ENGINEERING PROBLEM**
DEMİRİZ I.
24th Conference on Applied and Industrial Mathematics - CAIM 2016, Craiova, Bulgaria, 15 September 2016, pp.26
5. **Some Numerical Solutions with FEM on The Stress Analysis in The Rectangular Thick Plate Made From Composite Materials with 3D Curved Structure**
DEMİRİZ I.
Young Researchers in Mathematics 2013, Edinburg, Scotland, 17 June 2013, pp.23
6. **Mathematical Modeling And Numerical Investigation of The Stress Analysis in The Rectangular Thick Plate From Composite Material With Spatially Periodically Curved Structure**
Tokatlı N., Tarım E., Demiriz I., Selim S.
The 4th Congress of the Turkic World Mathematical Society (TWMS), Baku, Azerbaijan, 1 - 03 June 2011, pp.457
7. **Implementantion Of Wavelets to Dedection of Fish Population**
DEMİRİZ I., Kahramaner Y., ÖZDEMİR G., ASLAN Z.
The Fifth International Symposium on Wavelets Applications to World Problems, İstanbul, Turkey, 07 June 2010, pp.28
8. **Buckling Instability of a Thick RectangularPlate Made of a Composite Material With a Periodic Spatially Curved Structure**
Akbarov S. D. , Selim S., Demiriz I.
Thirteenth Internatioanal Conference, Mechanics of Composite Materials, Riga, Latvia, 16 - 20 May 2004, pp.9
9. **Yapısında İki Yönde Eğrilik Olan Kompozit Malzemedden Hazırlanmış Kalın Plağın Stabilitate Kaybı**
Selim S., Demiriz I.
XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 12 September 2003, pp.685-691
10. **Stress Analysis In The Rectangular Thick Plate From Composite Material With Periodic Spatially Curved Structure Under Forced Vibration**
DEMİRİZ I., AKBAROV S. D.
Mechanics of Composite Materials, Riga, Latvia, 09 June 2002, pp.51
11. **Eğrisel Yapıya Sahip Kompozit Malzemedden Hazırlanmış Kalın Dikdörtgen Plaktaki Gerilme Dağılımının İncelenmesi**
Kahramaner Y., Taylan İ., Demiriz I., Selim S.
XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 - 14 September 2001, pp.525-530
12. **İki Yönde Egilmis Yapıya Sahip Kompozit MalzemeddenHazırlanmış Dikdörtgen Plagın Dogal Titresimleri**
Demiriz I.
XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 September 2001, pp.327-333
13. **Investigation on The Stress Distribution in a Thick Plate Fabricated From The Curved Composite**
Kahramaner Y., Taylan İ., Demiriz I., Selim S.
Eight Annual International Conference On Composites Engineering - ICCE/8, Tenerife, Spain, 5 - 11 August 2001, pp.413-414
14. **Natural Vibration of The Thick Plate Fabricated From The Spatially Curved Composite**
DEMİRİZ I., AKBAROV S. D.
Eight Annual International Conference On Composites Engineering, Tenerife, Spain, 05 August 2001, pp.11-12

Academic and Administrative Experience

2018 - Continues	Mezunlarla İlişkiler Komisyonu Üyesi	Yıldız Technical University, Rectorate, Rectorate
2017 - Continues	Fakülte Kurulu Üyesi	Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics
2008 - Continues	Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı	Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics
2008 - 2018	Farabi Coordinator	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü
2015 - 2016	Vice Dean	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi
2008 - 2011	Deputy Head of Department	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü

Advising Theses

DEMİRİZ I., Kesirli Mertebeden Türeve Uygulamalarla Genel Bakış, Postgraduate, K.DEĞERLİ(Student), 2018

DEMİRİZ I., Veri Madenciliğinde Matematik Modelleme ve Türkiye'deki Uygulamalar, Postgraduate, E.YAVUZ(Student), 2017

DEMİRİZ I., TARIM E., İki Yönde Eğrisel Yapıya Sahip Kalın Dikdörtgen Plağın Gerilme Analizine Ait Matematik Modelinin SEY ile İncelenmesi, Postgraduate, N.TOKATLI(Student), 2007

Edit Congress and Symposium Activities

MathModel 2018, Attendee, Bulgaria, 2018

Young Researchers in Mathematics, Attendee, Edinburgh, Scotland, 2013

The Fifth International Symposium on Wavelets Applications to World Problems,, Attendee, İstanbul, Turkey, 2010

Mechanics of Composite Materials, Attendee, Riga, Latvia, 2004

XIII. Ulusal Mekanik Kongresi, Attendee, Gaziantep, Turkey, 2003

XII. Ulusal Mekanik Kongresi, Attendee, Konya, Turkey, 2001

Citations

Total Citations (WOS):5

h-index (WOS):2

Research Areas

Mathematics, Differential Equations, Partial Differential Equations, Numerical Analysis, Natural Sciences