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
Post Graduate 1988 - 1990	Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, Turkey
Under Graduate 1984 - 1988	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Assistant Professor 2018 - Continues	Yildiz Technical University, Matematik
Assistant Professor 2004 - 2018	Yildiz 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 Stabilite 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-Lineer 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 DestekÖdülü, 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, Yildiz 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. **Implemantation 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 Malzemeden Hazırlanmış Kalın Plağın Stabilite 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 Malzemeden 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. **Iki Yönde Egilmis Yapıya Sahip Kompozit MalzemedenHazırlanmıs 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**	Yildiz Technical University, Rectorate, Rectorate
2017 - Continues	**Fakülte Kurulu Üyesi**	Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics
2008 - Continues	**Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı**	Yildiz Technical University, Faculty of Arts & Science, Department of Mathemeatics
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, Post Graduate, K.DEĞERLİ(Student), 2018
DEMİRİZ I., Veri Madenciliğinde Matematik Modelleme ve Türkiyedeki Uygulamalar, Post Graduate, E.YAVUZ(Student), 2017
TARIM E., DEMİRİZ I., İki Yönde Eğrisel Yapıya Sahip Kalın Dikdörtgen Plağın Gerilme Analizine Ait Matematik Modelinin SEY ile İncelenmesi, Post Graduate, 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