

Assoc. Prof. YAŞAR ÇAKMAK

Personal Information

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Education Information

Doctorate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, Turkey 1997 - 2003

Post Graduate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, Turkey 1995 - 1997

Under Graduate, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1988 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sonlu aralıkta integrallenemeyen potansiyele sahip Sturm-Liouville operatörlerin, spektral karakteristiklerine göre belirlenmesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003

Post Graduate, Coulomb singüleriğine sahip sturm-liouville operatörünün iz'inin (trace) hesaplanması, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1997

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2019 - Continues

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2005 - 2019

Lecturer PhD, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003 - 2005

Research Assistant, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1993 - 2003

Professional Experience

Vice Dean, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2019 - Continues

Courses

Uzmanlık Alan Dersi, Post Graduate, 2018 - 2019

Öğretmenlik Uygulaması, Under Graduate, 2018 - 2019

Diferansiyel Denklemler, Under Graduate, 2019 - 2020
Kısmi Diferansiyel Denklemler - I, Under Graduate, 2019 - 2020
Diferansiyel Denklemler, Under Graduate, 2019 - 2020
Mühendislik Matematği, Under Graduate, 2018 - 2019
Diferansiyel Denklemler - II, Under Graduate, 2018 - 2019
Diferansiyel Denklemler - I, Under Graduate, 2019 - 2020
Diferansiyel Denklemler - II, Under Graduate, 2018 - 2019
MAT 1156 GENEL MATEMATİK-II, Under Graduate, 2017 - 2018
MAT 2006 DİFERANSİYEL DENKLEMLER-II, Under Graduate, 2017 - 2018
Bitirme Ödevi/Tezi, Under Graduate, 2018 - 2019
MAT1155 GENEL MATEMATİK I, Under Graduate, 2017 - 2018
Diferansiyel Denklemler - I, Under Graduate, 2018 - 2019
MAT2005 DİFERANSİYEL DENKLEMLER-I, Under Graduate, 2017 - 2018
Genel Matematik - II, Under Graduate, 2016 - 2017
Lineer Cebir, Under Graduate, 2016 - 2017
MAT2215 DİFERANSİYEL DENKLEMLER (JEOFİZİK MÜH.), Under Graduate, 2016 - 2017
MAT2217 DİFERANSİYEL DENKLEMLER (GEOMATİK MÜH.), Under Graduate, 2016 - 2017
Genel Matematik - I, Under Graduate, 2017 - 2018
Genel Matematik - I, Under Graduate, 2017 - 2018
MAT1155 GENEL MATEMATİK I (ELEKTRİK E. MÜH.), Under Graduate, 2016 - 2017
Genel Matematik - II, Under Graduate, 2016 - 2017
Lineer Cebir, Under Graduate, 2016 - 2017
MAT1016 LİNEER CEBİR (ELEKTRİK E. MÜH.), Under Graduate, 2016 - 2017
Seminer Dersi, Post Graduate, 2016 - 2017
MAT2217 DİFERANSİYEL DENKLEMLER (MADEN MÜH.), Under Graduate, 2016 - 2017
Genel Matematik - II, Under Graduate, 2015 - 2016
Genel Matematik - I, Under Graduate, 2016 - 2017
Vektörel Analiz, Under Graduate, 2015 - 2016
Vektörel Analiz, Under Graduate, 2015 - 2016
Genel Matematik - I, Under Graduate, 2016 - 2017
Genel Matematik - II, Under Graduate, 2015 - 2016
Diferansiyel Denklemler, Under Graduate, 2015 - 2016
Diferansiyel Denklemler Ve Lineer Cebir, Under Graduate, 2015 - 2016
Mühendislik Matematği, Under Graduate, 2014 - 2015
Matematik, Under Graduate, 2014 - 2015
Diferansiyel Denklemler - II, Under Graduate, 2013 - 2014
Mühendislik Matematği, Under Graduate, 2013 - 2014
Diferansiyel Denklemler, Under Graduate, 2014 - 2015
Diferansiyel Denklemler - II, Under Graduate, 2013 - 2014
Diferansiyel Denklemler, Under Graduate, 2012 - 2013
Diferansiyel Denk., Under Graduate, 2012 - 2013
Diferansiyel Denk., Under Graduate, 2012 - 2013
Diferansiyel Denklemler - I, Under Graduate, 2010 - 2011
Kısmi Diferansiyel Denklemler - II, Under Graduate, 2010 - 2011
Diferansiyel Denklemler I, Under Graduate, 2010 - 2011
Analiz II, Under Graduate, 2009 - 2010
Kısmi Türevli Dif. Denk., Under Graduate, 2008 - 2009
Analiz II, Under Graduate, 2008 - 2009
Özel Fonks. Ve Dönüşümler - II, Under Graduate, 2008 - 2009
Kısmi Türevli Dif. Denk., Under Graduate, 2008 - 2009
Analiz I, Under Graduate, 2008 - 2009

Diferansiyel Denklemler, Under Graduate, 2007 - 2008
Analiz I, Under Graduate, 2008 - 2009
Diferansiyel Denklemler II, Under Graduate, 2007 - 2008
Diferansiyel Denklemler II, Under Graduate, 2007 - 2008
Temel Matematik I, Under Graduate, 2007 - 2008
Diferansiyel Denklemler II, Under Graduate, 2007 - 2008
Matematik III, Under Graduate, 2007 - 2008
Temel Matematik I, Under Graduate, 2007 - 2008
Özel Fonks. Ve Dönüşümler - I, Under Graduate, 2007 - 2008
Diferansiyel Denklemler I, Under Graduate, 2007 - 2008
Diferansiyel Denklemler II, Under Graduate, 2007 - 2008
Genel Matematik - II, Under Graduate, 2006 - 2007
Genel Matematik II, Under Graduate, 2006 - 2007
Analiz-II, Under Graduate, 2005 - 2006
Diferansiyel Denklemler I, Under Graduate, 2006 - 2007
Diferansiyel Denklemler I, Under Graduate, 2006 - 2007
Diferansiyel Denklemler, Under Graduate, 2005 - 2006
Analiz-I, Under Graduate, 2005 - 2006
Kısmi Diferansiyel Denklemler, Under Graduate, 2003 - 2004
Matematik, Associate Degree, 2003 - 2004

Advising Theses

Çakmak Y., Regüler Sturm-Liouville operatörü üzerine ters problemler, Post Graduate, G.ŞAHİN(Student), 2019
ÇAKMAK Y., Süreksizlik koşullarına sahip süreksiz katsayılı difüzyon operatörü için düz ve ters problemler, Doctorate, S.İŞİK(Student), 2013
ÇAKMAK Y., Diferansiyel operatörlerin regülerize izi üzerine, Post Graduate, M.KÖSEAHMETOĞLU(Student), 2012
ÇAKMAK Y., Süreksiz katsayılı difüzyon denkleminin çözümünün integral gösterilimi, Post Graduate, S.KARACAN(Student), 2009

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

- I. **Inverse nodal problem for a conformable fractional diffusion operator**
ÇAKMAK Y.
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, 2020 (Journal Indexed in SCI)
- II. **Half Inverse Problem for the Impulsive Diffusion Operator with Discontinuous Coefficient**
ÇAKMAK Y., İŞİK S.
FILOMAT, vol.30, no.1, pp.157-168, 2016 (Journal Indexed in SCI)
- III. **Recovery of the Impulsive Diffusion Operator with Discontinuous Coefficient**
ÇAKMAK Y., İŞİK S.
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.5, pp.2267-2275, 2014 (Journal Indexed in SCI)
- IV. **UNIQUENESS OF THE SOLUTION OF HALF INVERSE PROBLEM FOR THE IMPULSIVE STURM LIOUVILLE OPERATOR**
Ozkan A. S. , KESKİN B., ÇAKMAK Y.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.50, no.2, pp.499-506, 2013 (Journal Indexed in SCI)
- V. **Double Discontinuous Inverse Problems for Sturm-Liouville Operator with Parameter-Dependent Conditions**
Ozkan A. S. , Keskin B., Cakmak Y.
ABSTRACT AND APPLIED ANALYSIS, 2013 (Journal Indexed in SCI)

VI. Boundary value problem for second-order differential equations with coulomb singularity on a finite interval

Amirov R., Cakmak Y., Gulyaz S.

INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.37, no.3, pp.125-140, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Ambarzumyan Type Theorems for a Class of Sturm-Liouville Problem**
ÖZKAN A. S. , ÇAKMAK Y.
Cumhuriyet Science Journal, vol.38, no.3, pp.396-399, 2017 (Refereed Journals of Other Institutions)
- II. **Uniqueness Theorems for Sturm-Liouville Operator with Parameter Dependent Boundary Conditions and Finite Number Of Transmission Conditions**
ÇAKMAK Y., KESKİN B.
Cumhuriyet Science Journal, vol.38, no.3, pp.535-543, 2017 (Refereed Journals of Other Institutions)
- III. **A Representation for Diffusion Equation with Discontinuous Coefficient**
Işık S., Çakmak Y.
Palestine Journal of Mathematics, vol.5, no.2, pp.130-137, 2016 (Refereed Journals of Other Institutions)
- IV. **On Jost Solution of Diffusion Equation with Discontinuous Coefficient**
ÇAKMAK Y., IŞIK S.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.32, no.1, pp.25-39, 2011 (Other Refereed National Journals)
- V. **Bir Spektruma ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için Ters Inverse Problem**
AMİROV R., ÇAKMAK Y.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.1, pp.34-50, 2003 (Other Refereed National Journals)
- VI. **About System of Dirac Differential Equation Which has Discontinuity Point in Semi Axis**
GÜLYAZ ÖZYURT S., ÇAKMAK Y., AMİROV R.
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.2, pp.18-27, 2003 (Other Refereed National Journals)
- VII. **Trace Formula for the Sturm Liouville Operator with Singularity at $x= 0$**
AMİROV R., ÇAKMAK Y.
Transactions of Academy of Sciences of Azerbaijan. Series of Physical-Technical and Mathematical Sciences, vol.21, no.1, pp.40-48, 2001 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Inverse Problem on Sturm-Liouville Operator with Parameter Dependent Boundary and Finite number of Transmission Conditions**
ÇAKMAK Y., KESKİN B.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- II. **Süreksizlik Koşullarına Sahip Süreksiz Katsayılı Difüzyon Operatörü İçin Ters Problemler**
ÇAKMAK Y., IŞIK S.
9. Ankara Matematik Günleri, Turkey, 12 - 13 June 2014
- III. **Inverse problem for Dirac Operators with Discontinuity Conditions Inside an Interval**
TOPSAKAL N., ÇAKMAK Y., AMİROV R.
Mathematical Analysis, Differential Equations and Their Applications, Mersin, Turkey, 4 - 09 October 2012
- IV. **Süreksiz Katsayılı Difüzyon Denklemi Üzerine**
ÇAKMAK Y., IŞIK S.

6. Ankara Matematik Günleri, Ankara, Turkey, 2 - 03 June 2011

V. **Bir Spektrum ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için İnce Problem**
AMİROV R., ÇAKMAK Y.

XV.Ulusal Matematik Sempozyumu, Mersin, Turkey, 4 - 07 September 2002

VI. **Inverse Spectral Problem for the Differential Equations of the Second Order with Singularity**
AMİROV R., ÇAKMAK Y.

9th Int.Coll. on Differential Equations, Plovdiv, Bulgaria, 18 - 23 August 1998

VII. **Trace formula for the Sturm-Liouville operator with singularity**

Amirov R., Cakmak Y.

8th International Colloquium on Differential Equations, Plovdiv, Bulgaria, 18 - 23 August 1997, pp.9-16

Supported Projects

Çakmak Y., Project Supported by Higher Education Institutions, Regüler Sturm-Liouville Operatörü Üzerine Ters Problemler, 2017 - 2019

ÇAKMAK Y., Project Supported by Higher Education Institutions, Parametreye Bağlı Sınır Koşullarına ve Sonlu Sayıda Süreksizlik Koşullarına Sahip Sturm-Liouville Operatörünün Belirlenmesi, 2015 - 2016

Activities in Scientific Journals

Cumhuriyet Science Journal, Committee Member, 2019 - Continues

Scientific Refereeing

Cumhuriyet Science Journal, National Scientific Refreed Journal, July 2020

Cumhuriyet Science Journal, National Scientific Refreed Journal, July 2020

Invited Congress and Symposium Activities

Inverse Problem on Sturm-Liouville Operator with Parameter Dependent Boundary and Finite number of Transmission Conditions, Working Group, Şanlıurfa, Turkey, 2017

Inverse problem for Dirac Operators with Discontinuity Conditions Inside an Interval, Working Group, Mersin, Turkey, 2012

Süreksiz Katsayılı Difüzyon Denklemi Üzerine, Working Group, Ankara, Turkey, 2011

Bir Spektrum ve Normalleştirici Sayılara Göre Sturm Liouville Operatörler için Inverse Problem, Working Group, Mersin, Turkey, 2002

Inverse Spectral Problem for the Differential Equations of the Second Order with Singularity, Working Group, Plovdiv, Bulgaria, 1998

Trace Formula for the Sturm Liouville Operator with Singularity, Working Group, Plovdiv, Bulgaria, 1997

Singüleriteye sahip Sturm Liouville Operatörler için İz Trace Formülü, Working Group, Balıkesir, Turkey, 1997