Prof. AHMET TEKCAN

Personal Information

Office Phone: +90 224 294 1751
Email: tekcan@uludag.edu.tr
Web: https://avesis.uludag.edu.tr/tekcan

International Researcher IDs
ORCID: 0000-0002-5341-0009
Publons / Web Of Science ResearcherID: AAH-8518-2021
ScopusID: 55883777900
Yoksis Researcher ID: 156621

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), Turkey 2000 - 2004
Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Yl) (Tezli), Turkey 1998 - 2000
Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Ayrık Guruplar ve Kuadratik Formlar, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), 2004
Postgraduate, Örtü Uzayları ve Örtü Transformasyonları Grubu, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Yl) (Tezli), 2000

Research Areas

Multivariate Complex Functions and Analytic Spaces, General Mathematics, Functions of a Complex Variable, Combinatorics, Number Theory

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2014 - Continues
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2009 - 2014
Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2008 - 2009
Lecturer PhD, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2004 - 2008
Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1998 - 2004

Academic and Administrative Experience

Academic and Administrative Experience

Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, 2009 - 2013

Courses

Kuadratik Formlar, Undergraduate, 2023 - 2024
Diferensiyel Ve İntegral Hesap II, Undergraduate, 2023 - 2024
Diferensiyel Ve İntegral Hesap I, Undergraduate, 2023 - 2024
Kompleks Fonksiyonlar Teorisi II, Undergraduate, 2022 - 2023
İleri Kuadratik Formlar II, Postgraduate, 2022 - 2023
Vektörel Analiz, Undergraduate, 2023 - 2024
Analitik Sayılar Teorisi II, Postgraduate, 2022 - 2023
Kompleks Fonksiyonlar Teorisi I, Undergraduate, 2022 - 2023
İleri Kuadratik Formlar I , Postgraduate, 2022 - 2023
Analitik Sayılar Teorisi I , Postgraduate, 2022 - 2023
İleri Analiz, Undergraduate, 2018 - 2019
Mühendislik Matematiği, Undergraduate, 2014 - 2015
Çok Değişkenli Analiz II, Postgraduate, 2013 - 2014
Matematik II, Undergraduate, 2012 - 2013
Çok Değişkenli Analiz I, Postgraduate, 2013 - 2014
Matematik I, Undergraduate, 2012 - 2013
İleri Analiz II, Postgraduate, 2011 - 2012
İleri Analiz I, Postgraduate, 2011 - 2012
Geometrik Sayılar Teorisi II, Doctorate, 2009 - 2010
İleri Analitik Sayılar Teorisi II, Doctorate, 2009 - 2010
İleri Analitik Sayılar Teorisi I, Doctorate, 2009 - 2010
Geometrik Sayılar Teorisi I, Doctorate, 2009 - 2010

Advising Theses

Tekcan A., Hemen Hemen Balansırlar ve Kobalansırlar, Postgraduate, E.Zeynep(Student), Continues
Tekcan A., Pell Denklemleri ve Pell Formlarının Otomorfizmleri, Postgraduate, G.Biberoğlu(Student), 2023
Tekcan A., Balkobalans Sayıları ve Balkobalansırlar, Postgraduate, M.Yıldız(Student), 2023
Tekcan A., t-Balansırlar ve t-Balans Sayıları, Postgraduate, S.Aydın(Student), 2022
Tekcan A., t-Kobalans ve Lucas t-Kobalans Sayıları, Postgraduate, A.Erdem(Student), 2021
Tekcan A., Two special integer sequences and their relationship with pell and balancing numbers, Postgraduate, A.Akın(Student), 2019
TEKCAN A., Generalized balancing numbers, Postgraduate, A.YAZLA(Student), 2017
TEKCAN A., Pozitive definite forms, bases, indefinite forms, quadratic ideals ve diophantine equations, Postgraduate, Ş.KUTLU(Student), 2017
TEKCAN A., Indefinite quadratic forms and generalized pell sequences, Postgraduate, M.TAYAT(Student), 2016
TEKCAN A., Balancing numbers and algebraic properties, Postgraduate, M.ESRA(Student), 2014
TEKCAN A., Some integer sequences and Pell equations, Doctorate, A.ÖZKOÇ(Student), 2013
TEKCAN A., Quadratik forms and diophantine equations, Postgraduate, H.ALKAN(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **On positive definite quadratic forms and the extended Hecke group $\bar{H}(\sqrt{2})$**
   Cildir M., Koruoglu O., TEKCAN A.

Mathematical Reports, vol.18, no.3, pp.355-361, 2016 (SCI-Expanded)

II. **The integer sequence B = Bn(P,Q) with parameters P and Q**
Kocapinar C., Ozkoq A., TEKCAN A.
Ars Combinatoria, vol.121, pp.187-200, 2015 (SCI-Expanded)

III. **The elliptic curves y2 = x(x - 1)(x - λ)**
TEKCAN A.
Ars Combinatoria, vol.99, pp.519-529, 2011 (SCI-Expanded)

IV. **The cubic congruence x3 + ax2 + bx + c ≡ = 0(mod p) and binary quadratic forms F(x, y) = ax2 + bxy + cy 2**
TEKCAN A.
Ars Combinatoria, vol.85, pp.257-269, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **On the number of representations of positive integers by quadratic forms as the basis of the space S4 (Γ0 (47), 1)**
TEKCAN A., BİZİM O.
International Journal of Mathematics and Mathematical Sciences, vol.2004, no.12, pp.637-646, 2004 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **Some Relations via k Balancing Numbers**
ÖZKOÇ A., TEKCAN A.
4th Int. Eurasian Conference on Mathematical Sciences and App. (IECMSA-20015), Atina, Greece, 31 August - 03 September 2015, vol.1, pp.29

II. **Triangular and Square Triangular Numbers**
KARADENİZ GÖZERİ G., ÖZKOÇ A., TEKCAN A.
Numerical Computations: Theory and Algorithms NUMTA2013, Flerna, Italy, 17 - 23 June 2013, pp.5

III. **Some Properties of Universal Binary Quadratic Forms**
ÖZKOÇ A., TEKCAN A., MERVE E.
The 24th International Conference of Jangjeon Mathematical Society, Konya, Turkey, 20 - 23 July 2011, pp.38

IV. **Integer Solutions of a Special Diophantine Equation**
Ozkoc A., TEKCAN A.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Halkidiki, Greece, 19 - 25 September 2011, vol.1389

V. **Primes in Z[exp(2πi/3)]**
Namlí D., CANGÜL İ. N., Çevik A. S., Güngör A. D., TEKCAN A.
International Conference on Numerical Analysis and Applied Mathematics 2010, ICNAAM-2010, Rhodes, Greece, 19 - 25 September 2010, vol.1281, pp.1129-1132

VI. **On the Integer Solutions of Diophantine Equation**
Özkoç A., Tekcan A., Cangül İ. N.
Int. Congress in Honour of Professor H.M.Srivastava on his 70th Birth Anniversary, Bursa, Turkey, 18 - 21 August 2010, pp.98

VII. **P ve Q parametreli C=C_{n} Tamsayı Dizisi Üzerinde Bazı Cebirsel Özdeşlikler**
ÖZKOÇ A., TEKCAN A., CANAN K.
XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010, pp.71

VIII. **x^{2}-(t^{2}-t)y^{2}-(4t-2)x+(4t^{2}-4t)y=0 Diophantine Denklemi**
ÖZKOÇ A., TEKCAN A.
5. Ankara Matematik Günleri, Ankara, Turkey, 3 - 04 June 2010, pp.12

IX. **Indefinite Kuadratik Formların Denklikleri Taban Noktaları ve Komşuları**
TEKCAN A., ÖZKOÇ A.
5. Ankara Matematik Günleri, Ankara, Turkey, 3 - 04 June 2010, pp.8

X. **Primes in Z[exp(2 pi i/3)]**
Namli D., CANGÜL İ. N., ÇEVİK A. S., GÜNGÖR A. D., TEKCAN A.
International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Greece, 19 - 25 September
2010, vol.1281, pp.1129-1130

XI. **Indefinite Quadratic Forms and their Neighbours**
TEKCAN A., Ozkoc A., CANGÜL İ. N.
International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Greece, 19 - 25 September
2010, vol.1281, pp.1102-1105

XII. **Indefinite Kuadratik Formlar Eliptik Eğriler ve Kübik Kongrüanslar**
ÖZKOÇ A., TEKCAN A.
XXII. Ulusal Matematik Sempozyumu, İzmir, Turkey, 31 August - 03 September 2009, pp.64

XIII. **İndefinite Kuadratik Formların Sağ ve Sol Komşuları**
TEKCAN A., ÖZKOÇ A.
XXII. Ulusal Matematik Sempozyumu, İzmir, Turkey, 31 August - 03 September 2009, pp.70

XIV. **The Number of Rational Points on Elliptic Curves Related to Binary Quadratic Forms**
TEKCAN A., ÖZKOÇ A.
Antalya Algebra Days X, Antalya, Turkey, 28 May - 01 June 2008, pp.38-39

XV. **The Relationship among Elliptic Divisibility Sequences Elliptic Curves and Binary Quadratic Forms**
GEZER B., ÖZKOÇ A., TEKCAN A., BİZİM O.
Antalya Algebra Days X, Antalya, Turkey, 28 May - 01 June 2008, pp.45

XVI. **On the Elliptic Divisibility Sequences over Finite Fields**
GEZER B., BİZİM O., TEKCAN A.
5-th Europan Congress of Mathematics, Amsterdam, Netherlands, 14 - 18 July 2008, pp.85

XVII. **Right Neighbors and Base Points of Indefinite Binary Quadratic Forms**
TEKCAN A., GEZER B., BİZİM O.
Workshop on Mathematical Methods in Applied Science, Bursa, Turkey, 22 - 23 May 2008, pp.38

XVIII. **Some Properties of Elliptic Divisibility Sequences over Finite Fields**
GEZER B., BİZİM O., TEKCAN A.
Workshop on Mathematical Methods in Applied Science, Bursa, Turkey, 22 - 23 May 2008, pp.36

XIX. **On the Singular Elliptic Curves over Finite Fields**
GEZER B., BİZİM O., TEKCAN A.
Antalya Algebra Days IX, Antalya, Turkey, 22 - 27 May 2007, pp.61

XX. **The Connection between Principal Indefinite Quadratic Forms and Elliptic Curves**
TEKCAN A., GEZER B., BİZİM O.
Antalya Algebra Days-IX, Antalya, Turkey, 22 - 27 May 2007, pp.66

XXI. **Sonlu Cisimler Üzerinde Tanımlı $y^{2}=x^{3}+b^{2}$ Eliptik Eğrileri Üzerindeki Rasyonel Noktaların Sayısı**
ÖZDEN H., İNAM İ., TEKCAN A., BİZİM O.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 - 25 August 2006, pp.44

XXII. **Sonlu Cisimler Üzerinde Tanımlı Frey Eliptik Eğrileri Üzerindeki Rasyonel Noktalar**
İNAM İ., ÖZDEN H., TEKCAN A., BİZİM O.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 - 25 August 2006, pp.43

XXIII. **İndefinite Kuadratik Formların Devirleri**
TEKCAN A., BİZİM O., ÖZDEN H., İNAM İ.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 - 25 August 2006, pp.42

XXIV. **Pozitif Tanımlı Kuadratik Formların Taban Noktaları**
TEKCAN A.
XVIII. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 5 - 08 September 2005, pp.68

XXV.   **Kuadratik Formlar ve İdealler**
TEKCAN A.
XVII. Ulusal Matematik Sempozyumu, Bolu, Turkey, 23 - 26 August 2004, pp.89-101

Metrics

Publication: 128
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Citation (Scopus): 50
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