

Prof. AHMET TEKCAN

Personal Information

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Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2000 - 2004

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1998 - 2000

Undergraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Ayrık Guruplar ve Kuadratik Formlar, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2004

Postgraduate, Örtü Uzayları ve Örtü Transformasyonları Grubu, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2000

Research Areas

Functional Analysis, General Mathematics

Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2014 - Continues

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2009 - 2014

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2008 - 2009

Lecturer PhD, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2004 - 2008

Research Assistant, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 1998 - 2004

Academic and Administrative Experience

Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2009 - 2013

Advising Theses

TEKCAN A., Two special integer sequences and their relationship with pell and balancing numbers, Postgraduate,

A.Akın(Student), 2019

TEKCAN A., Pozitive definite forms, bases, indefinite forms, quadratic ideals ve diophantine equations, Postgraduate, Ş.KUTLU(Student), 2017

TEKCAN A., Generalized balancing numbers, Postgraduate, A.YAZLA(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

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

- I. **SOME ALGEBRAIC RELATIONS ON BALANCING NUMBERS**
Gozeri G. K. , Ozkoc A., TEKCAN A.
UTILITAS MATHEMATICA, vol.103, pp.217-236, 2017 (Journal Indexed in SCI)
- II. **TRIANGULAR AND SQUARE TRIANGULAR NUMBERS INVOLVING GENERALIZED PELL NUMBERS**
Ozkoc A., TEKCAN A., Gozeri G. K.
UTILITAS MATHEMATICA, vol.102, pp.231-254, 2017 (Journal Indexed in SCI)
- III. **INDEFINITE QUADRATIC FORMS AND PELL EQUATIONS INVOLVING QUADRATIC IDEALS**
TEKCAN A.
MATHEMATICAL REPORTS, vol.19, no.2, pp.263-279, 2017 (Journal Indexed in SCI)
- IV. **SOME ALGEBRAIC RELATIONS ON INTEGER SEQUENCES INVOLVING OBLONG AND BALANCING NUMBERS**
TEKCAN A., Ozkoc A., Erasik M. E.
ARS COMBINATORIA, vol.128, pp.11-31, 2016 (Journal Indexed in SCI)
- V. **ON ALGEBRAIC IDENTITIES ON A NEW INTEGER SEQUENCE WITH FOUR PARAMETERS**
TEKCAN A., Ozkoc A., Engur M., Ozbek M. E.
ARS COMBINATORIA, vol.127, pp.225-238, 2016 (Journal Indexed in SCI)
- VI. **ON POSITIVE DEFINITE QUADRATIC FORMS AND THE EXTENDED HECKE GROUP $(H)\overline{(\sqrt{2})}$**
Cildir M., Koruoglu O., TEKCAN A.
MATHEMATICAL REPORTS, vol.18, no.3, pp.355-361, 2016 (Journal Indexed in SCI)
- VII. **THE INTEGER SEQUENCE $B = B_n(P, Q)$ WITH PARAMETERS P AND Q**
Kocapinar C., Ozkoc A., TEKCAN A.
ARS COMBINATORIA, vol.121, pp.187-200, 2015 (Journal Indexed in SCI)
- VIII. **BALANCING, PELL AND SQUARE TRIANGULAR FUNCTIONS**
TEKCAN A., Tayat M., Olajos P.
MISKOLC MATHEMATICAL NOTES, vol.16, no.2, pp.1219-1231, 2015 (Journal Indexed in SCI)
- IX. **THE NUMBER OF SOLUTIONS OF PELL EQUATIONS $x^2 - ky^2 = N$ AND $x^2 + xy - ky^2 = N$ OVER F_p**
Tekcan A.
ARS COMBINATORIA, vol.102, pp.225-236, 2011 (Journal Indexed in SCI)
- X. **Solving some parametric quadratic Diophantine equation over Z and F_p**
Ozkoc A., TEKCAN A., CANGÜL İ. N.
APPLIED MATHEMATICS AND COMPUTATION, vol.218, no.3, pp.703-706, 2011 (Journal Indexed in SCI)
- XI. **n-UNIVERSAL QUADRATIC FORMS, QUADRATIC IDEALS AND ELLIPTIC CURVES OVER FINITE FIELDS**
Tekcan A., Ozkoc A.
MATHEMATICAL REPORTS, vol.13, no.2, pp.205-216, 2011 (Journal Indexed in SCI)
- XII. **Rational Points on Curves over Finite Fields**
TEKCAN A., ALKAN H., ÖZKOÇ A., ÇETİN E., CANGÜL İ. N.
Ant. Jour. of Mathematics, vol.7, no.4, pp.431-437, 2010 (Journal Indexed in SCI)
- XIII. **Quadratic Diophantine Equation $x^2 - (t^2 - t)y^2 - (4t-2)x + (4t^2-4t)y=0$**

Ozkoc A., TEKCAN A.

BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.33, no.2, pp.273-280, 2010 (Journal Indexed in SCI)

XIV. Indefinite Quadratic Forms and their Neighbours

TEKCAN A., ÖZKOÇ A., CANGÜL İ. N.

Numerical Analysis and Applied Mathematics, AIP Conf. Proc., vol.1281, pp.1102-1105, 2010 (Journal Indexed in SCI Expanded)

XV. The Diophantine equation $x^2 - (t^2 + t)y^2 - (4t+2)x + (4t^2+4t)y=0$

TEKCAN A., Ozkoc A.

REVISTA MATEMATICA COMPLUTENSE, vol.23, no.1, pp.251-260, 2010 (Journal Indexed in SCI)

XVI. THE BASE POINTS OF INDEFINITE QUADRATIC FORMS IN THE CYCLE AND PROPER CYCLE OF AN INDEFINITE QUADRATIC FORM

Tekcan A.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.36, no.2, pp.101-114, 2007 (Journal Indexed in SCI)

XVII. Proper cycles of indefinite quadratic forms and their right neighbors

Tekcan A.

APPLICATIONS OF MATHEMATICS, vol.52, no.5, pp.407-415, 2007 (Journal Indexed in SCI)

XVIII. SOME REMARKS ON INDEFINITE BINARY QUADRATIC FORMS AND QUADRATIC IDEALS

Tekcan A.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.36, no.1, pp.27-36, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Balcobalancing Numbers and Balcobalancers

Tekcan A., Yıldız M.

Creative Mathematics and Informatics, vol.30, no.2, pp.203-222, 2021 (Refereed Journals of Other Institutions)

II. k-Almost Balancing Numbers

TEKCAN A.

INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.60, no.3, pp.82-89, 2021 (Journal Indexed in ESCI)

III. t-cobalancing numbers and t-cobalancers

TEKCAN A., Erdem A.

NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.26, no.1, pp.45-58, 2020 (Journal Indexed in ESCI)

IV. Sums and Spectral Norms of All Almost Balancing Numbers

TEKCAN A.

Creative Mathematics and Informatics, vol.28, no.2, pp.203-214, 2019 (Refereed Journals of Other Institutions)

V. Almost balancing, triangular and square triangular numbers

TEKCAN A.

NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.25, no.1, pp.108-121, 2019 (Journal Indexed in ESCI)

VI. Some Algebraic Relations on an Integer Sequence with Fixed Parameter

ÖZKOÇ ÖZTÜRK A., TEKCAN A.

Acta Universitatis Apulensis, vol.58, pp.53-66, 2019 (Refereed Journals of Other Institutions)

VII. Base points, bases and positive definite forms

TEKCAN A., Kutlu S.

ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.11, no.2, 2018 (Journal Indexed in ESCI)

VIII. Finding the Fundamental Solutions of the Pell Equation $x^2 - dy^2 = \pm 1$ by determining the Right Neighbor of $F=(d,0,-1)$

TEKCAN A., KARADENİZ GÖZERİ G.

Libertas Mathematica, vol.38, no.1, pp.1-13, 2018 (Refereed Journals of Other Institutions)

- IX. **Quadratic Ideals, Indefinite Quadratic Forms and Some Specific Diophantine Equations**
TEKCAN A., Kutlu S.
BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, vol.36, no.3, pp.173-192, 2018 (Journal Indexed in ESCI)
- X. **t-Balancing Numbers, Pell Numbers and Square Triangular Numbers. 33(2017), 133-146**
TEKCAN A., Yazla A.
Acta Mathematica Academiae Paedagogicae Nyíregyháziensis, vol.33, pp.133-146, 2017 (Refereed Journals of Other Institutions)
- XI. **The Integer Sequence $a_{\{n\}}$ and its Relationship with Pell, Pell-Lucas and Balancing Numbers**
Akn A., TEKCAN A.
Annales Univ. Sci. Budapest., Sect. Comp, vol.46, pp.275-288, 2017 (Refereed Journals of Other Institutions)
- XII. **The Pell Equation $x^2 - (k^2 - 2)y^2 = 1$ and the Corresponding Integer Sequence**
Akn A., TEKCAN A.
Annales Univ. Sci. Budapest., Sect. Comp., vol.46, pp.303-325, 2017 (Refereed Journals of Other Institutions)
- XIII. **On k-balancing numbers**
Ozkoc A., TEKCAN A.
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.23, no.3, pp.38-52, 2017 (Journal Indexed in ESCI)
- XIV. **Letter to the Editor: Disproof the Conjecture Related to the Pell Equation $x^2 - D y^2 = 2$ by Özen Özer**
TEKCAN A.
Adv. in Theor. and App. Maths., vol.9, no.1, pp.49-59, 2014 (Refereed Journals of Other Institutions)
- XV. **Generalized Pell Numbers Balancing Numbers and Binary Quadratic Forms**
TEKCAN A., MERVE T.
Creative Mathematics and Informatics, vol.23, no.1, pp.115-122, 2014 (Refereed Journals of Other Institutions)
- XVI. **The Diophantine Equation $8x^2 - y^2 + 8x(1+t) + (2t+1)^2$ and t-Balancing Numbers**
TEKCAN A., MERVE T., MELTEM ESRA Ö.
ISR Combinatorics, vol.897834, pp.1-5, 2014 (Refereed Journals of Other Institutions)
- XVII. **Sequences of Right and Left Neighbors of Six Type Indefinite Binary Quadratic Forms and their Proper Automorphisms**
TEKCAN A., ÖZKOÇ A., MELTEM ESRA Ö.
Jour. of Maths. Sci.: Adv. App, vol.20, pp.1-19, 2013 (Refereed Journals of Other Institutions)
- XVIII. **Pell Form and Pell Equation via Oblong Numbers**
TEKCAN A., ÖZKOÇ A.
Serdica Math. Jour., vol.39, pp.37-52, 2013 (Refereed Journals of Other Institutions)
- XIX. **Positive Definite Binary Quadratic Forms and Modules over a Field**
TEKCAN A.
Southeast Asian Bulletin of Mathematics, vol.36, pp.419-426, 2012 (Refereed Journals of Other Institutions)
- XX. **On Kaprekar Numbers**
TEKCAN A.
Advances in Theoretical and App. Maths., vol.7, no.1, pp.43-50, 2012 (Refereed Journals of Other Institutions)
- XXI. **Some Algebraic Identities on the Integer Sequence Associated with Imaginary Quadratic Number Field $\mathbb{Q}(\sqrt{-163})$**
TEKCAN A.
Selçuk Journal of Applied Mathematics, vol.12, no.1, pp.149-160, 2011 (Refereed Journals of Other Institutions)
- XXII. **Representations of Positive Integers by Positive Quadratic Forms**
TEKCAN A., ÖZKOÇ A., GEZER B., BİZİM O.
Southeast Asian Bulletin of Mathematics, vol.35, no.1, pp.137-148, 2011 (Journal Indexed in ESCI)
- XXIII. **Principal Indefinite Quadratic Forms and Singular Curves over Finite Fields**
TEKCAN A.
Southeast Asian Bulletin of Mathematics, vol.35, no.5, pp.859-867, 2011 (Refereed Journals of Other Institutions)

- XXIV. **Continued Fraction Expansion of \sqrt{D} and Pell Equation $x^2 - Dy^2 = 1$**
 TEKCAN A.
 Mathematica Moravica, vol.15, no.2, pp.19-27, 2011 (Refereed Journals of Other Institutions)
- XXV. **Neighbors of Indefinite Binary Quadratic Forms**
 TEKCAN A.
 I.J.of Comp.and M.Sci, vol.5, no.1, pp.16-22, 2011 (Refereed Journals of Other Institutions)
- XXVI. **Quadratic Forms Elliptic Curves and Integer Sequence**
 TEKCAN A., ÖZKOÇ A., ÇETİN E., ALKAN H., CANGÜL İ. N.
 Acta Universitatis Apulensis, vol.25, pp.9-30, 2011 (Refereed Journals of Other Institutions)
- XXVII. **n Universal Quadratic Forms and Quadratic Forms over Finite Fields**
 TEKCAN A., ÖZKOÇ A.
 Bulletin of Irish Math. Society, vol.65, pp.11-21, 2010 (Refereed Journals of Other Institutions)
- XXVIII. **Elliptic Divisibility Sequences over Finite Fields**
 GEZER B., TEKCAN A., BİZİM O.
 Int. Journal of Comp. and Math.Sci, vol.4, no.1, pp.12-19, 2010 (Refereed Journals of Other Institutions)
- XXIX. **The Diophantine Equation $x^2 - Py^2 = Q$**
 TEKCAN A., ÖZKOÇ A., CANAN K., ALKAN H.
 Int. Jour. of Comp. and Math.Sci, vol.4, no.2, pp.59-62, 2010 (Refereed Journals of Other Institutions)
- XXX. **The Cubic Congruence $x^3 + ax^2 + bx + c \equiv 0 \pmod{p}$ and Binary Quadratic Forms $F(x,y) = ax^2 + bxy + cy^2$ II**
 TEKCAN A.
 Acta Universitatis Apulensis, vol.22, pp.53-63, 2010 (Refereed Journals of Other Institutions)
- XXXI. **On Cycles and Products of Ideals and Corresponding Indefinite Quadratic Forms**
 TEKCAN A., ÖZKOÇ A., ALKAN H.
 Comptes rendus mathématiques-Math. Reports, vol.32, no.2, pp.40-51, 2010 (Refereed Journals of Other Institutions)
- XXXII. **Positive Definite Quadratic Forms Elliptic Curves and Cubic Congruences**
 TEKCAN A.
 Inter. Jour. of Comp. and Math.Sci, vol.4, no.2, pp.100-104, 2010 (Refereed Journals of Other Institutions)
- XXXIII. **On the Cycles of Indefinite Quadratic Forms and Cycles of Ideals II**
 TEKCAN A.
 Southeast Asian Bulletin of Mathematics, vol.34, pp.185-192, 2010 (Refereed Journals of Other Institutions)
- XXXIV. **The Family of Indefinite Binary Quadratic Forms and Elliptic Curves over Finite Fields**
 ÖZKOÇ A., TEKCAN A.
 General Mathematics, vol.18, no.4, pp.3-17, 2010 (Refereed Journals of Other Institutions)
- XXXV. **The Elliptic Curves $y^2 = x^3 - 1728x$ over Finite Fields**
 TEKCAN A.
 Journal of Algebra, Number Theory: Advances and Applications, vol.1, no.1, pp.61-74, 2009 (Refereed Journals of Other Institutions)
- XXXVI. **The Number of Rational Points on Singular Curves $y^2 = x(x-a)^2$ over Finite Fields \mathbb{F}_p .**
 TEKCAN A.
 Int. Journal of Comp.and Math.Sci, vol.3, no.1, pp.14-17, 2009 (Refereed Journals of Other Institutions)
- XXXVII. **Positive Definite Binary Quadratic Forms Quadratic Congruences and Singular Curves**
 TEKCAN A., ÖZKOÇ A.
 Comptes rendus mathématiques-Mathematical Reports, vol.31, no.2, pp.53-64, 2009 (Refereed Journals of Other Institutions)
- XXXVIII. **Quadratic Irrationals Quadratic Ideals and Indefinite Quadratic Forms II**
 TEKCAN A., ÖZKOÇ A.
 Int. Jour. of Comp.and Math. Sci, vol.3, no.2, pp.56-59, 2009 (Refereed Journals of Other Institutions)
- XXXIX. **Representation of Integers by Quadratic Forms in Several Variables**

- TEKCAN A.
Creative Maths. and Infor., vol.18, no.1, pp.65-75, 2009 (Refereed Journals of Other Institutions)
- XL. **The Diophantine Equation $y^2-2yx-3=0$ and Corresponding Curves over \mathbb{F}_p**
TEKCAN A., ÖZKOÇ A., ALKAN H.
Int. Journal of Comp.and Math.Sci, vol.3, no.6, pp.260-263, 2009 (Refereed Journals of Other Institutions)
- XLI. **A.Tekcan. The Pell Equation $x^2-(k^2-k)y^2=2t$.**
TEKCAN A.
Int. Jour. of Comp. and Math. Sci, vol.2, no.1, pp.5-9, 2008 (Refereed Journals of Other Institutions)
- XLII. **Some Relations Involving the Sums of Fibonacci Numbers**
TEKCAN A., ÖZKOÇ A., GEZER B., BİZİM O.
Proceedings of the Jangjeon Math. Soc., vol.11, no.1, pp.1-12, 2008 (Refereed Journals of Other Institutions)
- XLIII. **The Number of Rational Points on Elliptic Curves and Circles over Finite Fields**
GEZER B., TEKCAN A., BİZİM O.
Int. Journal of Comp.and Math.Sci, vol.2, no.2, pp.58-63, 2008 (Refereed Journals of Other Institutions)
- XLIV. **Elliptic Curves Conics and Cubic Congruences Associated with Indefinite Binary Quadratic Forms**
TEKCAN A., ÖZKOÇ A., GEZER B., BİZİM O.
Novi Sad J. Math., vol.38, no.2, pp.71-81, 2008 (Refereed Journals of Other Institutions)
- XLV. **The Pell Equation $x^2+xy-ky^2=\pm 1$**
Tekcan A., Bizim O.
Global Journal of Pure and Applied Maths., vol.4, no.2, pp.105-112, 2008 (Refereed Journals of Other Institutions)
- XLVI. **On Indefinite Binary Quadratic Forms and Quadratic Ideals**
TEKCAN A.
Novi Sad Journal of Maths., vol.38, no.1, pp.83-96, 2008 (Refereed Journals of Other Institutions)
- XLVII. **On the Cycles of Indefinite Quadratic Forms and Cycles of Ideals III**
TEKCAN A.
Comptes rendus mathématiques-Mathematical Reports, vol.30, no.1, pp.22-32, 2008 (Refereed Journals of Other Institutions)
- XLVIII. **The Number of Rational Points on Elliptic Curves $y^2= x^3+b^2$ over Finite Fields**
GEZER B., ÖZDEN H., TEKCAN A., BİZİM O.
Int. Jour. of Comp. and Math. Sci., vol.1, no.3, pp.178-184, 2007 (Refereed Journals of Other Institutions)
- XLIX. **The Elliptic Curves $y^2=x^3-t^2x$ over \mathbb{F}_p**
TEKCAN A.
Int. J.of Comp.and Math.Sci, vol.1, no.3, pp.165-171, 2007 (Refereed Journals of Other Institutions)
- L. **On the Pell Equation $x^2-(k^2-2)y^2=2^t$**
TEKCAN A.
Crux Mat. with Math.May., vol.33, no.6, pp.361-365, 2007 (Refereed Journals of Other Institutions)
- LI. **The Number of Rational Points on Conics $C_{p,k}:x^2-ky^2=1$ over Finite Fields \mathbb{F}_p**
TEKCAN A.
International Journal of Computational and Mathematical Sciences, vol.1, no.2, pp.150-153, 2007 (Refereed Journals of Other Institutions)
- LII. **The Pell Equation $x^2-Dy^2=\pm 4$**
TEKCAN A.
Applied Math. Science, vol.1, no.8, pp.363-369, 2007 (Refereed Journals of Other Institutions)
- LIII. **On Indefinite Binary Quadratic Forms Cubic Congruence and Elliptic Curves**
TEKCAN A.
Inter. Jour. of Cont. Math. Science, vol.2, no.21, pp.1031-1037, 2007 (Refereed Journals of Other Institutions)
- LIV. **Some Relations on Lucas Numbers and their Sums**
TEKCAN A., GEZER B., BİZİM O.
Advanced Studies in Contemporary Mathematics, vol.15, no.2, pp.195-211, 2007 (Refereed Journals of Other Institutions)
- LV. **Representations of Positive Integers by Positive Quadratic Forms and the Fourier Coefficients of**

Cusp Forms

TEKCAN A.

Southeast Asian Bull. of Maths, vol.31, pp.349-362, 2007 (Refereed Journals of Other Institutions)

- LVI. **Some Algebraic Properties of Universal and Regular Covering Spaces**
TEKCAN A.
International Journal of Comp. and Mathematics Sciences, vol.1, no.4, pp.251-254, 2007 (Refereed Journals of Other Institutions)
- LVII. **A Second Approach to the Proper Cycles of Indefinite Quadratic Forms and their Right Neighbors**
TEKCAN A.
International Journal of Contemporary Math. Sci, vol.2, no.6, pp.249-260, 2007 (Refereed Journals of Other Institutions)
- LVIII. **On the Integer Solutions of the Pell Equation $x^2 - dy^2 = 2^t$**
Tekcan A., Gezer B., Bizim O.
Int. Jour. of Comp. and Math, vol.1, no.3, pp.204-208, 2007 (Refereed Journals of Other Institutions)
- LIX. **Solving the Pell Equation using the Fundamental Element of the Field $\mathbb{Q}(\sqrt{\Delta})$**
Tekcan A., Bizim O., Bayraktar M.
Southeast Asian Bull. of Maths., vol.30, pp.355-366, 2006 (Refereed Journals of Other Institutions)
- LX. **Signatures of the Special Congruence Subgroup of the Extended Modular Group**
TEKCAN A.
Southeast Asian Bull. of Maths., vol.30, pp.1147-1156, 2006 (Refereed Journals of Other Institutions)
- LXI. **The Number of Representations of Positive Integers by Positive Quadratic Forms**
TEKCAN A., BİZİM O., CANGÜL İ. N.
Proceedings of the Jangjeon Math. Soc., vol.9, no.2, pp.125-136, 2006 (Refereed Journals of Other Institutions)
- LXII. **Cycles of Indefinite Quadratic Forms and Cycles of Ideals**
TEKCAN A.
Hacettepe Journal of Maths. and Sta., vol.35, no.1, pp.63-70, 2006 (Refereed Journals of Other Institutions)
- LXIII. **On the Quadratic Irrationals Quadratic Ideals and Indefinite Quadratic Forms**
TEKCAN A., ÖZDEN H.
Bulletin of the Irish Mathematical Society, vol.58, pp.69-79, 2006 (Refereed Journals of Other Institutions)
- LXIV. **Formulas for the Fourier Coefficients of Cusp Form for Some Quadratic Forms**
TEKCAN A.
Turkish Journal of Mathematics, vol.29, pp.141-156, 2005 (Refereed Journals of Other Institutions)
- LXV. **Representation of Integers by Hermitian Forms**
TEKCAN A.
Acta Mathematica Universitatis Comenianae, vol.74, no.2, pp.205-209, 2005 (Refereed Journals of Other Institutions)
- LXVI. **Representations of Positive Integers by a Direct Sum of Quadratic Forms**
TEKCAN A.
Results in Mathematics, vol.46, pp.146-163, 2004 (Refereed Journals of Other Institutions)
- LXVII. **On the Number of Representations of Positive Integers by Quadratic Forms as the Basis of the Space $S_4(\Gamma_0(47), 1)$**
Tekcan A., Bizim O.
Int. Jour. of Math. and Math. Sci, vol.2014, no.12, pp.637-646, 2004 (Refereed Journals of Other Institutions)
- LXVIII. **On the Representation of Positive Integers by Quadratic Forms with Seven Variables**
Tekcan A., Bizim O.
Southeast Asian Bull. of Maths., vol.28, no.5, pp.875-886, 2004 (Refereed Journals of Other Institutions)
- LXIX. **Pell Equation $x^2 - Dy^2 = 2$, II**
TEKCAN A.
Bulletin of Irish Math. Society, vol.54, pp.73-89, 2004 (Refereed Journals of Other Institutions)
- LXX. **The Connection between Quadratic Forms and the Extended Modular Group**
Tekcan A., Bizim O.

Mathematica Bohemica, vol.128, no.3, pp.225-236, 2003 (Refereed Journals of Other Institutions)

LXXI. **On the Covering Space and the Automorphism Group of the Covering Space**

Tekcan A., Bayraktar M., Bizim O.

Balkan Journal of Geometry and Its App, vol.8, no.1, pp.101-108, 2003 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **İleri Analiz**
TEKCAN A.
Dora Yayıncılık, 2020
- II. **Genel Matematik I**
Bizim O., Tekcan A., Gezer B.
Dora, Bursa, 2010
- III. **Genel Matematik II**
Bizim O., Tekcan A., Gezer B.
Dora, Bursa, 2009

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 Jangeon 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. **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
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International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Greece, 19 - 25 September

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International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Greece, 19 - 25 September 2010, vol.1281, pp.1102-1105
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TEKCAN A.
XVII. Ulusal Matematik Sempozyumu, Bolu, Turkey, 23 - 26 August 2004, pp.89-101

Citations

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