Prof. GÖKHAN SOYDAN

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International Researcher IDs
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ScopusID: 23566953200
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Education Information

Post Doctorate, University of Debrecen, Institute of Mathematics, Matematik, Hungary 2014 - 2015
Doctorate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, Turkey 2001 - 2006
Postgraduate, Balikesir University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1999 - 2001
Undergraduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1992 - 1997

Dissertations

Doctorate, Sonlu Cisimler Üzerinde Bachet Eliptik Eğrileri, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik, 2006
Postgraduate, Modüler Gruplar, Balikesir University, Institute Of Science, matematik, 2001

Research Areas

Mathematics, Field Theory and Polynomials, Number Theory, Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2018 - Continues
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2015 - 2018
Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2014 - 2015

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2013 - Continues

Courses

Courses

Soyut Cebir, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Cebir, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Soyut Cebir-2, Doctorate, 2020 - 2021, 2017 - 2018

P-sel Sayılar Teorisi-2, Doctorate, 2020 - 2021

İleri Grup Teori, Undergraduate, 2020 - 2021, 2016 - 2017

Sayılar Teorisi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017

Eliptik Eğriler Teorisi ve Uygulamaları-2, Doctorate, 2019 - 2020, 2016 - 2017

Soyut Cebir-1, Doctorate, 2020 - 2021, 2017 - 2018

P-sel Sayılar Teorisi-1, Doctorate, 2020 - 2021

Hesaplamalı Cebirsel sayılar Teorisi-2, Doctorate, 2019 - 2020

Diophant Denklemleri-2, Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2013 - 2014

Cebir-2, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Hesaplamalı Cebirsel Sayılar Teorisi-1, Doctorate, 2019 - 2020

Eliptik Eğriler Teorisi ve Uygulamaları-1, Doctorate, 2019 - 2020, 2017 - 2018

Elemanter Sayı Kuramı, Undergraduate, 2019 - 2020

Elemanter Sayı Kuramı, Undergraduate, 2018 - 2019, 2017 - 2018

Diophant Denklemleri-1, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2013 - 2014

Cebir-1, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Halka Teorisine Giriş, Undergraduate, 2017 - 2018, 2016 - 2017

Cebirsel Geometri-1, Doctorate, 2018 - 2019

Cebirsel Sayılar Teorisine Giriş, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

Cebirsel Sayılar Teorisi, Undergraduate, 2015 - 2016, 2013 - 2014

Cebire Giriş, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014

Elemanter Sayı Kuramı, Undergraduate, 2016 - 2017

Genel Matematik-II, Undergraduate, 2015 - 2016, 2013 - 2014

Genel Matematik-1, Undergraduate, 2015 - 2016, 2013 - 2014

Halka Teorisi-2, Postgraduate, 2013 - 2014

Halka Teorisi-1, Postgraduate, 2013 - 2014

Advising Theses

Soydan G., Cebirsel eğriler üzerindeki rasyonel diziler, Doctorate, G.SAVAŞ(Student), 2022

SOYDAN G., Diophantine equations concerning Terai's conjecture, Postgraduate, E.Kızıldere(Student), 2019

SOYDAN G., Consecutive power sums and Bernoulli polynomials, Postgraduate, G.SAVAŞ(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I.   **A p- Adic approach to TSPO gene.**
     Bilgin E. E., Pirim D., Soydan G.
     Bio Systems, pp.105273, 2024 (SCI-Expanded)

II. **On the solutions of some Lebesgue-Ramanujan-Nagell type equations**
     Mutlu E. K., Soydan G.
     International Journal of Number Theory, vol.20, no.5, pp.1195-1218, 2024 (SCI-Expanded)

III. **An elementary approach to the generalized Ramanujan–Nagell equation**
     Mutlu E. K., Le M., SOYDAN G.
     Indian Journal of Pure and Applied Mathematics, vol.55, no.1, pp.392-399, 2024 (SCI-Expanded)

IV. **INTEGERS OF A QUADRATIC FIELD WITH PRESCRIBED SUM AND PRODUCT**
     Bremner A., SOYDAN G.
     COLLOQUIUM MATHEMATICUM, vol.173, pp.25-39, 2023 (SCI-Expanded)

V. A note on the Diophantine equation x(2)=4p(n)-4p(m) + l(2)
Abu Muriefah F. S., Le M., SOYDAN G.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.53, no.4, pp.915-922, 2022 (SCI-Expanded)

VI. A modular approach to the generalized Ramanujan-Nagell equation
Mutlu E. K., Le M., SOYDAN G.
INDAGATIONES MATHEMATICAE-NEW SERIES, vol.33, no.5, pp.992-1000, 2022 (SCI-Expanded)

VII. On a class of generalized Fermat equations of signature (2,2n,3)
Chałupka K., Dąbrowski A., SOYDAN G.
Journal of Number Theory, vol.234, pp.153-178, 2022 (SCI-Expanded)

VIII. On elliptic curves induced by rational Diophantine quadruples
Dujella A., SOYDAN G.
Proceedings of the Japan Academy Series A: Mathematical Sciences, vol.98, no.1, 2022 (SCI-Expanded)

IX. On the power values of the sum of three squares in arithmetic progression
Le M., SOYDAN G.
Mathematical Communications, vol.27, no.2, pp.137-150, 2022 (SCI-Expanded)

X. Rational points in geometric progression on the unit circle
Celik G. S., Sadek M., SOYDAN G.
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.98, pp.513-520, 2021 (SCI-Expanded)

XI. A note on the ternary Diophantine equation x(2) - y(2m) = z(n)
Berczes A., Le M., Pink I., SOYDAN G.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.29, no.2, pp.93-105, 2021 (SCI-Expanded)

XII. A note on Terai's conjecture concerning primitive Pythagorean triples
Le M., SOYDAN G.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.4, pp.911-917, 2021 (SCI-Expanded)

XIII. The shuffle variant of a Diophantine equation of Miyazaki and Togbe
Kizildere E., SOYDAN G., Han Q., Yuan P.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, vol.64, no.3, pp.243-254, 2021 (SCI-Expanded)

XIV. A NOTE ON THE EXPONENTIAL DIOPHANTINE EQUATION (A(2)n)(x) + (B(2)n)(y) = ((A(2) + B-2)n)(z)
Le M., SOYDAN G.
GLASNIK MATEMATICKI, vol.55, no.2, pp.195-201, 2020 (SCI-Expanded)

XV. On a class of Lebesgue-Ljunggren-Nagell type equations
Dabrowski A., Günhan N., Soydan G.
JOURNAL OF NUMBER THEORY, vol.215, pp.149-159, 2020 (SCI-Expanded)

XVI. RESOLUTION OF THE EQUATION (3(x1)-1)(3(x2)-1) = (5(y1)-1)(5(y2)-1)
Liptai K., Nemeth L., SOYDAN G., Szalay L.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.50, no.4, pp.1425-1433, 2020 (SCI-Expanded)

XVII. A note on the ternary purely exponential diophantine equation A(x) + B-y = C-z with A plus B = C-2
Kizildere E., le M., SOYDAN G.
STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA, vol.57, no.2, pp.200-205, 2020 (SCI-Expanded)

XVIII. An application of Baker's method to the Jesmanowicz' conjecture on primitive Pythagorean triples
Le M., SOYDAN G.
PERIODICA MATHEMATICA HUNGARICA, vol.80, no.1, pp.74-80, 2020 (SCI-Expanded)

XIX. ON THE EXPONENTIAL DIOPHANTINE EQUATION (n-1)(x) + (n+2)(y) = n(z)
Bai H., Kizildere E., SOYDAN G., Yuan P.
COLLOQUIUM MATHEMATICUM, vol.161, no.2, pp.239-249, 2020 (SCI-Expanded)

XX. The Diophantine equation (x+1)(k) + (x+2)(k) + ... plus (lx)(k) = y(n) revisted
Bartoli D., Soydan G.
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.96, no.1-2, pp.111-120, 2020 (SCI-Expanded)

XXI. RATIONAL SEQUENCES ON DIFFERENT MODELS OF ELLIPTIC CURVES
Celik G. S., Sadek M., SOYDAN G.
GLASNIK MATEMATICKI, vol.54, no.1, pp.53-64, 2019 (SCI-Expanded)

XXII. On the Diophantine equation $(x+1)^k + (x+2)^k + \ldots + (2x)^k = y(n)$
Berczes A., Pink I., Savas G., SOYDAN G.
JOURNAL OF NUMBER THEORY, vol.183, pp.326-351, 2018 (SCI-Expanded)

XXIII. On the Diophantine equation $((c+1)m(2)+1)(x) + (cm(2)-1)(y) = (am)(z)$
Kizildere E., Miyazaki T., SOYDAN G.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2690-2698, 2018 (SCI-Expanded)

XXIV. ELLIPTIC CURVES CONTAINING SEQUENCES OF CONSECUTIVE CUBES
Celik G. S., SOYDAN G.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.48, no.7, pp.2163-2174, 2018 (SCI-Expanded)

XXV. On the Diophantine equation $(x+1)(k) (x+2)(k) + \ldots$ plus $(lx)(k) = y(n)$
SOYDAN G.
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.91, pp.369-382, 2017 (SCI-Expanded)

XXVI. On the exponential Diophantine equation $x(2)+2(a) p(b) = y(n)$
Zhu H., Le M., SOYDAN G., Togbe A.
PERIODICA MATHEMATICA HUNGARICA, vol.70, no.2, pp.233-247, 2015 (SCI-Expanded)

XXVII. ON THE NUMBER OF SOLUTIONS OF THE DIOPHANTINE EQUATION $x(2)+2(a) \cdot p(b) = y(4)$
Zhu H., Le M., Soydan G.
MATHEMATICAL REPORTS, vol.17, no.3, pp.255-263, 2015 (SCI-Expanded)

XXVIII. Note on "On the Diophantine equation $nx(2)+2(2m) = y(n)$" [Y. Wang, T. Wang, J. Number Theory 131 (8) (2011) 1486-1491]
SOYDAN G., CANGÜL İ. N.
JOURNAL OF NUMBER THEORY, vol.140, pp.425-426, 2014 (SCI-Expanded)

XXIX. On the diophantine equation $x (2)+2 (a)$ center dot $3 (b)$ center dot $11 (c) = y (n)$
Cangül İ. N., Demirci M., Inam I., Luca F., Soydan G.
MATHEMATICA SLOVACA, vol.63, pp.647-659, 2013 (SCI-Expanded)

XXX. A NOTE ON TWO DIOPHANTINE EQUATIONS $x(2) +/- 2(a) p(b) = y(4)$
Zhu H., Soydan G., Qin W.
MISKOLC MATHEMATICAL NOTES, vol.14, no.3, pp.1105-1111, 2013 (SCI-Expanded)

XXXI. On the Diophantine equation $2(m) + nx(2) = y(n)$
Luca F., Soydan G.
JOURNAL OF NUMBER THEORY, vol.132, no.11, pp.2604-2609, 2012 (SCI-Expanded)

XXXII. ON THE DIOPHANTINE EQUATION $x(2)+2(a) \cdot 19(b) = y(n)$
Soydan G., Ulas M., Zhu H. L.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.43, no.3, pp.251-261, 2012 (SCI-Expanded)

XXXIII. ON THE RATIO OF DIRECTED LENGTHS ON THE PLANE WITH GENERALIZED ABSOLUTE VALUE METRIC AND RELATED PROPERTIES
Soydan G., Dogru Y., Arslandogan N. U.
FILOMAT, vol.26, no.1, pp.119-128, 2012 (SCI-Expanded)

XXXIV. ON THE DIOPHANTINE EQUATION $x(2)+7(alpha) \cdot 11(beta) = y(n)$
Soydan G.
MISKOLC MATHEMATICAL NOTES, vol.13, no.2, pp.515-527, 2012 (SCI-Expanded)

XXXV. ON THE DIOPHANTINE EQUATION $x(2) 5(a) \cdot 11(b) = y(n)$
Cangül İ. N., Demirci M., Soydan G., Tzanakis N.
FUNCTIONES ET APPROXIMATIO: COMMENTARII MATHEMATICI, VOL 43, PT 2, vol.43, pp.209-225, 2010 (SCI-Expanded)

XXXVI. THE GROUP STRUCTURE OF BACHET ELLIPTIC CURVES OVER FINITE FIELDS F-p
Ikikardes N. Y., DEMİRCİ M., Soydan G., CANGÜL İ. N.

MISKOLC MATHEMATICAL NOTES, vol.10, no.2, pp.129-136, 2009 (SCI-Expanded)

XXXVII. **Rational points on elliptic curves y(2)=x(3)+a(3) in F-P where p equivalent to 1 (mod 6) is prime**
Demirci M., Soydan G., Cangül İ. N.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.37, pp.1483-1491, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **Some exponential Diophantine equations III: a new look at the generalized Lebesgue–Nagell equation**
Le M., SOYDAN G.
Boletin de la Sociedad Matematica Mexicana, vol.30, no.2, 2024 (ESCI)

II. **On the Ternary Purely Exponential Diophantine Equation (ak)x + (bk)y = ((a + b)k)z for Prime Powers a and b**
Le M., SOYDAN G.
Journal of Integer Sequences, vol.26, no.7, 2023 (ESCI)

III. **ON THE DIOPHANTINE EQUATION (5pn(2) - 1)(x)**
Kizildere E., SOYDAN G.
HONAM MATHEMATICAL JOURNAL, vol.42, no.1, pp.139-150, 2020 (ESCI)

IV. **ON TRIANGLES WITH COORDINATES OF VERTICES FROM THE TERMS OF THE SEQUENCES {U-kn} AND {V-kn}**
ÖMÜR N., SOYDAN G., TÜRKER ULUTAŞ Y., Dogru Y.
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI, vol.24, no.542, pp.15-27, 2020 (ESCI)

V. **A brief survey on the generalized Lebesgue-Ramanujan-Nagell Equation**
Le M., SOYDAN G.
Surveys in Mathematics and its Applications, vol.15, pp.473-523, 2020 (Scopus)

VI. **A note on the diophantine equations x 2 ± 5 α . pn = y n**
SOYDAN G.
Communications Faculty Of Science University of Ankara Series A1Mathematics and Statistics, vol.67, no.1, pp.317-322, 2018 (Peer-Reviewed Journal)

VII. **ON THE DIOPHANTINE EQUATION Sigma(k)(j=1) jF(j)(p) = F-n(q)**
SOYDAN G., Nemeth L., Szalay L.
ARCHIVUM MATHEMATICUM, vol.54, no.3, pp.177-188, 2018 (ESCI)

VIII. **On the Conjecture of Jesmanowicz**
Soydan G., Demirci M., Cangul İ. N., Togbe A.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.56, pp.46-72, 2017 (ESCI)

IX. **Complete solution of the Diophantine equation x25a.11b=yn**
SOYDAN G., Tzanakis N.
Bulletin of the Hellenic Mathematical Society, vol.60, pp.125-151, 2016 (Peer-Reviewed Journal)

X. **ON THE DIOPHANTINE EQUATION x(2)+2(a) . 11(b) = y(n)**
Cangül İ. N., Demirci M., Luca F., Pinter A., Soydan G.
FIBONACCI QUARTERLY, vol.48, pp.39-46, 2010 (ESCI)

XI. **A p-adic look at the Diophantine equation x2+112k = yn**
Cangül İ. N., Soydan G., Şimşek Y.
Numerical Analysis and Applied Mathematics, AIP Conference Proceedings, vol.1168, pp.275-277, 2009 (Peer-Reviewed Journal)

XII. **The Diophantine Equation x^2 + 11^m = y^n,**
Soydan G., Demirci M., Cangül İ. N.
Adv. Studies in Contemporary Maths., , vol.19, no.2, pp.183-188, 2009 (Peer-Reviewed Journal)

XIII. **THE GROUP STRUCTURE OF FREY ELLIPTIC CURVES OVER FINITE FIELDS F-p**

Ikikardes N. Y., DEMİRCİ M., SOYDAN G., Canguel İ. N.

JP JOURNAL OF ALGEBRA NUMBER THEORY AND APPLICATIONS, vol.10, no.2, pp.255-262, 2008 (ESCI)

XIV. **Counting the Number of Pythagorean Triples in Finite Fields**

Soydan G., Demirci M., Yıldız İkikardeş N., Cangül İ. N.

Advances in Theoretical and Applied Mathematics, vol.2, pp.77-82, 2007 (Peer-Reviewed Journal)

XV. **Rational Points on Elliptic Curves y2 = x3 + a3 in Fp, where p ⊠ 5 (mod 6) is Prime**

Soydan G., Demirci M., Yıldız İkikardeş N., Cangül İ. N.

Int. J. of Mathematics Sciences, vol.1, no.4, pp.247-250, 2007 (Peer-Reviewed Journal)

XVI. **Rational Points on Frey elliptic curves on finite fields**

Demirci M., Soydan G., Cangül İ. N.

Advances in Theoretical and Applied Mathematics, vol.2, pp.129-136, 2007 (Peer-Reviewed Journal)

XVII. **Classification of the Bachet Elliptic Curves y2 = x3 + a3 in Fp, where p ⊠ 1 (mod 6) is Prime**

Yıldız İkikardeş N., Soydan G., Demirci M., Cangül İ. N.

Int. J. of Mathematics Sciences, vol.1, no.4, pp.239-241, 2007 (Peer-Reviewed Journal)

XVIII. **The Number of Rational Points on Elliptic Curves y2 = x3 + a3 on Finite Fields**

Demirci M., Yıldız İkikardeş N., Soydan G., Cangül İ. N.

Int. J. of Mathematics Sciences, vol.1, no.4, pp.255-257, 2007 (Peer-Reviewed Journal)

XIX. **On the Additive Structure of the Set of Quadratic Residues Modulo p**

Soydan G., Yıldız İkikardeş N., Demirci M., Cangül İ. N.

Adv. Studies in Contemporary Maths, vol.14, no.2, pp.251-257, 2007 (Peer-Reviewed Journal)

XX. **CORRIGENDUM ON "THE NUMBER OF POINTS ON ELLIPTIC CURVES E : y(2) = x(3)**

Inam I., SOYDAN G., DEMİRCİ M., BİZİM O., CANGÜL İ. N.

COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.22, no.2, pp.207-208, 2007 (ESCI)

XXI. **Corrigendum on The Number of Points on Elliptic Curves E y 2 x 3 cx over mathbb F p mod 8**

İNAM İ., SOYDAN G., DEMİRCİ M., BİZİM O., CANGÜL İ. N.

Communications of the Korean Mathematical Society, vol.22, no.2, pp.207-208, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **The shuffle variant of a Diophantine equation of Miyazaki and Togbe**

SOYDAN G., KIZILDERE E., Han Q., Yuan P.

The third Romanian-Turkish Mathematics Colloquium 2019, Constanta, Romania, 18 - 22 September 2019

II. **The shuffle variant of a Diophantine equation of Miyazaki and Togbe**

SOYDAN G., KIZILDERE E., Han Q., Yuan P.

Friendly workshop on Diophantine equations and related problems 2019, Bursa, Turkey, 6 - 08 July 2019

III. **The generalization of two Diophantine equations of Nagell**

KIZILDERE E., SOYDAN G., Bai H., Yuan P.

31 st Journees Arithmetiques, İstanbul, Turkey, 1 - 05 July 2019

IV. **A note on the ternary purely exponential Diophantine equation AxBy=Cz with AB=C2**

SOYDAN G., KIZILDERE E., Le M.

Friendly workshop on Diophantine equations and related problems 2019, Bursa, Turkey, 6 - 08 July 2019

V. **Rational sequences on different models of elliptic curves**

SOYDAN G., Çelik G. S., Sadek M.

31 st Journees Arithmetiques, İstanbul, Turkey, 1 - 05 July 2019

VI. **On the exponential Diophantine equation (5pm2-1)x(p(p-5)m21)y=(pm)z**

SOYDAN G., KIZILDERE E.

Conference on Diophantine m-tuples and Related Problems-II, Michigan, United States Of America, 15 - 17 October 2018

VII. **On the exponential Diophantine equation ((b1)m21)x(bm2-1)y=(cm)z,**

SOYDAN G., KIZILDERE E.

Conference on Diophantine m-tuples and Related Problems-II, Michigan, United States Of America, 15 - 17 October 2018

VIII. **Elliptic curves containing sequences of consecutive cubes,**
SOYDAN G., Çelik G. S.
2 nd International Conference on Pure and Applied Mathematics, Van, Turkey, 11 - 13 September 2018

IX. **Elliptic curves containing sequences of consecutive cubes**
Çelik G. S., SOYDAN G.
Modular Forms and Langlands Functoriality, Bilecik, Turkey, 11 - 12 May 2018

X. **On the solutions of a Diophantine equation with power sums**
berczes a., Pink I., Savaş G., SOYDAN G.
30 th Journées Arithmétiques, Caen, France, 3 - 07 July 2017

XI. **Kuvvet Toplamları Tipinde Bir Diophant Denklemin Çözümleri Üzerine**
berczes a., Pink I., Savaş G., SOYDAN G.
12 nci Ankara Matematik Günleri, Ankara, Turkey, 25 - 26 May 2017

XII. **On the Diophantine equation (x 1)k (x 2)k...(lx)k=yn**
SOYDAN G.
Journees Arithmetique 2015, Debrecen, Hungary, 6 - 10 July 2015, vol.1

XIII. **Bazı genelleştirilmiş Lebesgue Nagell denklemleri üzerine**
SOYDAN G., zhu h., Le M.
7 nci Ankara Matematik Günleri, Ankara, Turkey, 31 May - 01 June 2012, vol.1, pp.37-38

XIV. **On the Solutions of Some Specific Exponential Diophantine Equations**
Soydan G., Cangül İ. N., Demirci M.
International Congress of Mathematicians, , Abohar, India, 19 August 2010, pp.1-11

XV. **Congruence Subgroups of Modular Group and Hecke Groups**
Demirci M., Soydan G., Özgür B., Cangül İ. N.
23rd International Conference of the Jangjeon Mathematical Society, Ahvaz, Iran, 07 February 2010, pp.1-6

XVI. **On some recent results concerning exponential Diophantine equations**
Cangül İ. N., Soydan G., Demirci M.
The 22nd International Conference of Jangjeon Mathematical Society, Karnataka, India, 13 August 2009, pp.1-9

XVII. **On A Diophantine Equation,**
Soydan G., Cangül İ. N., Demirci M., Yıldız İkikardeş N.
Antalya Algebra Days XI, Antalya, Turkey, 19 May 2009, pp.38

XVIII. **On Exponential Diophantine Equations I**
Soydan G., Cangül İ. N., Demirci M., İnam İ., Pinter A.
University Essen Institute für Experimentelle Mathematik, Forschungsseminar Wintersemester, , Essen, Germany, 21 January 2009, pp.1-10

XIX. **A p-adic Look at the Diophantine Equation x(2)+11(2k) =yn**
CANGÜL İ. N., Soydan G., ŞİMŞEK Y.
International Conference on Numerical Analysis and Applied Mathematics, Rethimnon, Greece, 18 - 22 September 2009, vol.1168, pp.275-276

XX. **The Diophantine Equation $x^2 + 11^m = y^n$**
Soydan G., Demirci M., Cangül İ. N.
The 20th Int. Congress of Jangjeon Math. Soc., , Bursa, Turkey, 21 August 2008, pp.1-5

XXI. **Two special elliptic curve classes**
Cangül İ. N., Demirci M., Soydan G., Yıldız İkikardeş N.
International Symposium on Complex Analysis, Sibiu, Romania, 25 August 2007, pp.1-10

Supported Projects

SOYDAN G., KIZILDERE MUTLU E., Project Supported by Higher Education Institutions, Diophant Denklemlerde Klasik ve

Modüler Yaklaşımlar, 2023 - Continues

Soydan G., Sadek M., TUBITAK Project, Jakobiyen Varyetelerin Burulmalı Altgrupları, 2022 - 2025

SOYDAN G., SAVAŞ ÇELİK G., Project Supported by Higher Education Institutions, Cebirsel Eğriler ve Rasyonel Diziler, 2020 - 2022

SOYDAN G., TUBITAK Project, Terai Sanısı Hakkındaki Diophant Denklemler, 2018 - 2019

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