

Prof. GÖKHAN SOYDAN

Personal Information

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Address: Bursa Uludağ Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Görükle Kampüsü, 16059, BURSA

Education Information

Post Doctorate, University of Debrecen, Institute of Mathematics, Matematik, Hungary 2014 - 2015

Doctorate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, Turkey 2001 - 2006

Postgraduate, Balıkesir 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

Research Areas

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

Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2018 - Continues

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2015 - 2018

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2014 - 2015

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2013 - Continues

Courses

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

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

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

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

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

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

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

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

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

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

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

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

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

Eliptik Eğriler Teorisi ve Uygulamaları-1, Doctorate, 2017 - 2018, 2019 - 2020
 Elemanter Sayı Kuramı, Undergraduate, 2019 - 2020
 Elemanter Sayı Kuramı, Undergraduate, 2017 - 2018, 2018 - 2019
 Diophant Denklemleri-1, Postgraduate, 2013 - 2014, 2016 - 2017, 2017 - 2018, 2018 - 2019
 Cebir-1, Postgraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019
 Halka Teorisine Giriş, Undergraduate, 2016 - 2017, 2017 - 2018
 Cebirsel Geometri-1, Doctorate, 2018 - 2019
 Cebirsel Sayılar Teorisine Giriş, Undergraduate, 2013 - 2014, 2015 - 2016, 2016 - 2017, 2017 - 2018
 Cebirsel Sayılar Teorisi, Undergraduate, 2013 - 2014, 2015 - 2016
 Cebire Giriş, Undergraduate, 2013 - 2014, 2015 - 2016, 2016 - 2017
 Elemanter Sayı Kuramı, Undergraduate, 2016 - 2017
 Genel Matematik-II, Undergraduate, 2013 - 2014, 2015 - 2016
 Genel Matematik-1, Undergraduate, 2013 - 2014, 2015 - 2016
 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

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

- I. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI Expanded)
- III. **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, 2021 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **A NOTE ON THE EXPONENTIAL DIOPHANTINE EQUATION $(A(2)^n)(x) + (B(2)^n)(y) = ((A(2) + B(2))^n)$**

$2)n)(z)$

Le M., SOYDAN G.

GLASNIK MATEMATICKI, vol.55, no.2, pp.195-201, 2020 (Journal Indexed in SCI)

- IX. **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 (Journal Indexed in SCI)
- X. **RESOLUTION OF THE EQUATION $(3(x_1)-1)(3(x_2)-1) = (5(y_1)-1)(5(y_2)-1)$**
Liptai K., Nemeth L., SOYDAN G., Szalay L.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.50, no.4, pp.1425-1433, 2020 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **The Diophantine equation $(x+1)(k) + (x+2)(k) + \dots$ plus $(lx)(k) = y(n)$ revisited**
Bartoli D., Soydan G.
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.96, no.1-2, pp.111-120, 2020 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **On the Diophantine equation $(x+1)k + (x+2)k + \dots + (2x)k = y(n)$**
Berczes A., Pink I., Savas G., SOYDAN G.
JOURNAL OF NUMBER THEORY, vol.183, pp.326-351, 2018 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **On the Diophantine equation $(x+1)(k) (x+2)(k) + \dots$ plus $(lx)(k) = y(n)$**
SOYDAN G.
PUBLICATIONES MATHEMATICAE-DEBRECEN, vol.91, pp.369-382, 2017 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **ON THE NUMBER OF SOLUTIONS OF THE DIOPHANTINE EQUATION $x(2)+2(a) . p(b) = y(4)$**
Zhu H., Le M., Soydan G.
MATHEMATICAL REPORTS, vol.17, no.3, pp.255-263, 2015 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **ON THE RATIO OF DIRECTED LENGTHS ON THE PLANE WITH GENERALIZED ABSOLUTE VALUE METRIC AND RELATED PROPERTIES**
Soydan G., Dogru Y., Arslanoglu N. U.
FILOMAT, vol.26, no.1, pp.119-128, 2012 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ON THE DIOPHANTINE EQUATION $(5pn(2) - 1)(x)$**
Kizildere E., SOYDAN G.
HONAM MATHEMATICAL JOURNAL, vol.42, no.1, pp.139-150, 2020 (Journal Indexed in ESCI)
- II. **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 (Journal Indexed in ESCI)
- III. **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 (Refereed Journals of Other Institutions)
- IV. **A note on the diophantine equations $x^2 \pm 5 \alpha \cdot pn = y^n$**
SOYDAN G.
Communications Faculty Of Science University of Ankara Series A1Mathematics and Statistics, vol.67, no.1, pp.317-322, 2018 (Refereed Journals of Other Institutions)
- V. **ON THE DIOPHANTINE EQUATION $\sum_{j=1}^k jF(j)(p) = F-n(q)$**
SOYDAN G., Nemeth L., Szalay L.
ARCHIVUM MATHEMATICUM, vol.54, no.3, pp.177-188, 2018 (Journal Indexed in ESCI)
- VI. **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 (Journal Indexed in ESCI)

- VII. **Complete solution of the Diophantine equation $x^2 + 2a \cdot 11b = yn$**
 SOYDAN G., Tzanakis N.
 Bulletin of the Hellenic Mathematical Society, vol.60, pp.125-151, 2016 (Refereed Journals of Other Institutions)
- VIII. **ON THE DIOPHANTINE EQUATION $x^2 + 2(a) \cdot 11(b) = y(n)$**
 Cangül İ. N. , Demirci M., Luca F., Pinter A., Soydan G.
 FIBONACCI QUARTERLY, vol.48, pp.39-46, 2010 (Journal Indexed in ESCI)
- IX. **A p-adic look at the Diophantine equation $x^2 + 112k = yn$**
 Cangül İ. N. , Soydan G., Şimşek Y.
 Numerical Analysis and Applied Mathematics, AIP Conference Proceedings, vol.1168, pp.275-277, 2009 (Refereed Journals of Other Institutions)
- X. **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 (Journal Indexed in ESCI)
- XI. **THE GROUP STRUCTURE OF FREY ELLIPTIC CURVES OVER FINITE FIELDS F_p**
 İkikardes N. Y. , DEMİRÇİ M., SOYDAN G., Canguel İ. N.
 JP JOURNAL OF ALGEBRA NUMBER THEORY AND APPLICATIONS, vol.10, no.2, pp.255-262, 2008 (Journal Indexed in ESCI)
- XII. **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 (Refereed Journals of Other Institutions)
- XIII. **Rational Points on Elliptic Curves $y^2 = x^3 + a^3$ in F_p , where $p \not\equiv 5 \pmod{6}$ 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 (Refereed Journals of Other Institutions)
- XIV. **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 (Refereed Journals of Other Institutions)
- XV. **Classification of the Bachet Elliptic Curves $y^2 = x^3 + a^3$ in F_p , where $p \not\equiv 1 \pmod{6}$ 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 (Refereed Journals of Other Institutions)
- XVI. **The Number of Rational Points on Elliptic Curves $y^2 = x^3 + a^3$ 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 (Refereed Journals of Other Institutions)
- XVII. **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 (Journal Indexed in ESCI)
- XVIII. **CORRIGENDUM ON "THE NUMBER OF POINTS ON ELLIPTIC CURVES $E : y(2) = x(3)$**
 Inam I., SOYDAN G., DEMİRÇİ M., BİZİM O., CANGÜL İ. N.
 COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.22, no.2, pp.207-208, 2007 (Journal Indexed in ESCI)

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 Journées Arithmétiques, İstanbul, Turkey, 1 - 05 July 2019

- IV. **A note on the ternary purely exponential Diophantine equation $AxBy=Cz$ with $AB=C^2$**
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 Journées Arithmétiques, İstanbul, Turkey, 1 - 05 July 2019
- VI. **On the exponential Diophantine equation $(5^m-1)x(p(p-5)^m-1)y=(p^m)z$**
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 $((b_1)^m-1)x((b_2)^m-1)y=(cm)z$,**
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 Denklemi'nin 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 $(x+1)^k(x+2)^k\dots(x+l)^k=yn$**
SOYDAN G.
Journées Arithmétique 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., SAVAŞ ÇELİK G., Project Supported by Higher Education Institutions, Cebirsel Eğriler ve Rasyonel Diziler, 2020 - Continues

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

SOYDAN G., Project Supported by Higher Education Institutions, Jesmanowicz sanısı hakkındaki Diophant denklemler, 2016 - 2018

SOYDAN G., CANGÜL İ. N. , Project Supported by Higher Education Institutions, Kuvvet Toplamları ile İlgili Diophant Denklemleri, 2015 - 2017

Cangül İ. N. , Soydan G., Project Supported by Higher Education Institutions, Genelleştirilmiş Lebesgue Nagell Denklemleri, 2013 - 2015

Cangül İ. N. , Demirci M., Soydan G., Project Supported by Higher Education Institutions, Türkçe'nin Sayılar Teorisi Yardımıyla Şifrelenmesi, 2003 - 2005

Citations

Total Citations (WOS):111

h-index (WOS):6

Scholarships

Tübitak 2219-Yurtdışı Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2014 - 2015

Awards

Soydan G., 2204-A TÜBİTAK LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI-DANIŞMAN ÖĞRETMEN (TÜRKİYE İKİNCİLİĞİ ÖDÜLÜ), Tübitak , May 2012

Soydan G., 2204-A TÜBİTAK LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI-DANIŞMAN ÖĞRETMEN (TÜRKİYE ÜÇÜNCÜLÜĞÜ ÖDÜLÜ) , Tübitak, May 2011

Soydan G., 2204-A TÜBİTAK LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI-DANIŞMAN ÖĞRETMEN (TEŞVİK ÖDÜLÜ), Tübitak, May 2010

Soydan G., 2204-A TÜBİTAK LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI-DANIŞMAN ÖĞRETMEN (TÜRKİYE İKİNCİLİĞİ ÖDÜLÜ), Tübitak, May 2009

Soydan G., 2204-A TÜBİTAK LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI-DANIŞMAN ÖĞRETMEN (TEŞVİK ÖDÜLÜ), Tübitak, May 2006