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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAW-7054-2020

ScopusID: 57214317298

Yoksis Researcher ID: 39868



Education

Doctorate	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey
Postgraduate	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey
Undergraduate	Ondokuz Mayıs University, Faculty Of Education, Fen Bilimleri Eğitimi Matematik Öğretmenliği, Turkey

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, FEN BİLİMLERİ ARAŞTIRMA PROJESİ HAZIRLAMA, TÜBİTAK, 2014

Dissertations

Doctorate, Üniter uzaylarda dönüşüm grupları ve nokta invaryantlarının tam sistemleri, Karadeniz Technical University, Fen Fakültesi, 2013

Postgraduate, 1 ve 2 boyutlu üniter uzaylarda dönüşüm grupları, Karadeniz Technical University, 2008

Academic Positions

Assistant Professor
2018 - Continues

Karadeniz Technical University, Fen Fakültesi, Matematik

Assistant Professor
2017 - 2018

Karadeniz Technical University, Fen Fakültesi, Matematik

Lecturer PhD
2009 - 2017

Karadeniz Technical University, Fen Fakültesi, Matematik

Funded Projects

1. SAĞIROĞLU Y., GÖZÜTOK U., ÇOBAN H. A., Project Supported by Higher Education Institutions, CEBİRSEL EĞRİLERİN BENZERLİKLERİİNİN VE SİMETRİLERİİNİN YENİ VE ETKİLİ BİR ALGORİTMA İLE SAPTANMASI, 2021 - 2023
2. Alcazar J. G., Gözütok U., Çoban H. A., Project Supported by Public Organizations in Other Countries, Möbius equivalences of implicit and rational curves, 2022 - 2022
3. Çoban H. A., Khadjiev D., Pekşen Ö., Project Supported by Higher Education Institutions, Üniter Uzaylarda Nokta ve Eğri Sisteminin Tam İnvaryantlar Sistemi, 2009 - 2013

Jury Memberships

Doctorate, Doktora Tez Savunma Jürisi, Ondokuz Mayıs Üniversitesi, June, 2017

Journal articles indexed in SCI, SSCI, and AHCI

1. **Detecting similarities of rational plane curves using complex differential invariants**
ÇOBAN H. A.
INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION, vol.34, no.1, pp.35-53, 2024 (SCI-Expanded)
2. **Detecting isometries and symmetries of implicit algebraic surfaces**
Gözütok U., Çoban H. A.
AIMS Mathematics, vol.9, no.2, pp.4294-4308, 2024 (SCI-Expanded)
3. **Computation of symmetries of rational surfaces**
Alcazar J. G., Hermoso C., Coban H. A., Gozutok U.
ELECTRONIC RESEARCH ARCHIVE, vol.32, no.11, pp.6087-6108, 2024 (SCI-Expanded)
4. **Detecting affine equivalences between certain types of parametric curves, in any dimension**
Alcázár J. G., Çoban H. A., Gözütok U.
AIMS MATHEMATICS, vol.9, no.6, pp.13750-13769, 2024 (SCI-Expanded)
5. **A new method to detect projective equivalences and symmetries of rational 3D curves**
GÖZÜTOK U., ÇOBAN H. A., SAĞIROĞLU Y., Alcázár J. G.
Journal of Computational and Applied Mathematics, vol.419, 2023 (SCI-Expanded)
6. **Detecting Affine Equivalences Between Implicit Planar Algebraic Curves**
Gerardo Alcazar J., GÖZÜTOK U., ÇOBAN H. A., Hermoso C.
ACTA APPLICANDAE MATHEMATICAE, vol.182, no.1, 2022 (SCI-Expanded)
7. **Ruled surfaces obtained by bending of curves**

- GÖZÜTOK U., ÇOBAN H. A., SAĞIROĞLU Y.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.1, pp.300-306, 2020 (SCI-Expanded)
8. **Frenet Frame With Respect to Conformable Derivative**
GÖZÜTOK U., ÇOBAN H. A., SAĞIROĞLU Y.
FILOMAT, vol.33, no.6, pp.1541-1550, 2019 (SCI-Expanded)

Articles Published in Other Journals

1. **Rasyonel Regle Yüzeylerin Afin Denklikleri ve Simetrilerinin Tespiti Üzerine Yeni ve Etkili Bir Algoritma**
Çoban H. A., Gözütok U.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.3, pp.574-582, 2024 (Peer-Reviewed Journal)
2. **C² de Rasyonel Cebirsel Eğrilerin İzometri ve Simetrilerinin Hesaplanması**
Gözütok U., Çoban H. A.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.29, no.1, pp.131-143, 2024 (Peer-Reviewed Journal)
3. **Kapalı Formda Temsil Edilen Cebirsel Düzlem Eğrilerinin İzometrileri ve Simetrilerinin Hesaplanması**
ÇOBAN H. A., GÖZÜTOK U.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.39, no.2, pp.303-314, 2023 (Peer-Reviewed Journal)
4. **EQUIVALENCE CONDITIONS OF TWO SYSTEMS OF VECTORS IN THE TAXICAB PLANE AND ITS APPLICATIONS TO TAXICAB POLYGONS**
Ören İ., Çoban H. A.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.413-430, 2020 (ESCI)
5. **COMPLETE SYSTEM OF INVARIANTS OF VECTORS FOR ISOMETRY GROUP IN n-DIMENSIONAL UNITARY SPACE**
ÇOBAN H. A.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.362-370, 2019 (ESCI)
6. **NEW OSTROWSKI TYPE INEQUALITIES FOR GA-CONVEX FUNCTIONS**
Çoban H. A., İşcan İ., Kunt M.
New Trends in Mathematical Science, vol.4, no.4, pp.1, 2016 (Peer-Reviewed Journal)
7. **SOME INVARIANT PROPERTIES OF CURVES IN THE TAXICAB GEOMETRY**
Ören İ., Çoban H. A.
MISSOURI JOURNAL OF MATHEMATICAL SCIENCES, vol.26, no.2, pp.107-114, 2014 (ESCI)

Papers Presented at Peer-Reviewed Scientific Conferences

1. **On a Method Detecting Similarities Between Two Implicit Plane Algebraic Curves**
Çoban H. A.
8th International Conference on Mathematics "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 9 - 11 July 2024, vol.1, pp.192, (Summary Text)
2. **On the computation of similarities of rational algebraic curves**
AYDIN K., ÇOBAN H. A.
11th International Congress on Fundamental and Applied Sciences 2024 (ICFAS2024), İstanbul, Turkey, 9 - 11 July 2024, vol.1, pp.73, (Summary Text)
3. **General affine curvatures of 2D and 3D rational algebraic curves**
Gözütok U., Çoban H. A.
20th International Geometry Symposium, Van, Turkey, 18 July 2024, vol.1, pp.18, (Summary Text)

4. **Affine equivalences of rational and analytic parametric curves in arbitrary dimension**
Gerardo Alcázar J., GÖZÜTOK U., ÇOBAN H. A.
Conference on Geometry: Theory and Applications (CGTA 2023), Schloss Weinberg, Austria, 19 June 2023, vol.1, pp.23, (Summary Text)
5. **Symmetries and Similarities of Rational Plane Algebraic Curves in Complex Representation**
Çoban H. A.
9th International Congress on Fundamental and Applied Sciences 2022 (ICFAS2022), İstanbul, Turkey, 28 - 30 June 2022, vol.1, pp.116, (Summary Text)
6. **Detecting Affine Equivalences and Symmetries of Implicit Plane Algebraic Curves**
Alcázar J. G., Gözütok U., Çoban H. A., Hermoso C.
9th International Congress on Fundamental and Applied Sciences 2022 (ICFAS2022) , İstanbul, Turkey, 28 - 30 June 2022, vol.1, pp.115, (Summary Text)
7. **Projective Equivalences of Rational Algebraic Space Curves Using Differential Invariants**
Gözütok U., Çoban H. A., Sağıroğlu Y.
Curves and Surfaces 2022, Bordeaux, France, 20 - 24 June 2022, vol.1, pp.92, (Summary Text)
8. **On the Projective Equivalence of Rational Algebraic Curves**
Gözütok U., Çoban H. A., Sağıroğlu Y.
18th International Geometry Symposium, 12 - 13 July 2021, vol.1, pp.66, (Summary Text)
9. **Similarity detection of algebraic plane curves using invariants**
Çoban H. A.
3rd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2020), Van, Turkey, 3 - 05 September 2020, vol.1, pp.55, (Summary Text)
10. **Detecting affine equivalences of ruled algebraic surfaces using differential invariants**
Gözütok U., Çoban H. A., Sağıroğlu Y.
3rd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2020), Van, Turkey, 3 - 05 September 2020, vol.1, pp.71, (Summary Text)
11. **Conditions for Ruled Surfaces Obtained by Bending to be Developable**
GÖZÜTOK U., ÇOBAN H. A., SAĞIROĞLU Y.
International Conference on Recent Advances in Pure and applied Mathematics, Trabzon, Turkey, 23 - 27 July 2018, pp.86, (Summary Text)
12. **The Taxicab Type and an Invariant Parametrizations of a Curve in 3-dimensional Taxicab Space**
ÖREN İ., ÇOBAN H. A.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017, vol.1, no.1, pp.64, (Summary Text)
13. **Complete System of Invariants of Vectors for Isometry Group in n-Dimensional Unitary Space**
ÇOBAN H. A.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, vol.1, no.1, pp.101, (Summary Text)
14. **Frenet Frame with Respect to Comformable Fractional Derivative**
GÖZÜTOK U., ÇOBAN H. A., SAĞIROĞLU Y.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, vol.1, no.1, pp.140, (Summary Text)
15. **New Ostrowski Type Inequalities for Quasi-Geometrically Convex Functions**
Çoban H. A., İşcan İ., Kunt M.
Xth International Statistics Days Conference (ISDC'2016), Giresun, Turkey, Giresun, Turkey, 7 - 09 October 2016, pp.777-786, (Full Text)
16. **Complete Systems of Invariants of Vectors for Real and Imaginary Unitary Transformation Groups in n-Dimensional Unitary Space**
ÇOBAN H. A., KHADJÍEV D.
X. Geometri Sempozyumu, Balıkesir, Turkey, 13 - 16 June 2012, vol.1, pp.39, (Summary Text)
17. **Real Unitary and Imaginary Unitary Trnsformations Groups in Unitary Spaces**
ÇOBAN H. A.

Supervised Theses

Çoban H. A., RAYONEL CEBİSEL EĞRİLERİN BENZERLİĞİ İÇİN YENİ BİR YÖNTEM, Postgraduate, K.AYDIN(Student), 2024

Peer Reviews in Scientific Publications

Journal of the Indonesian Mathematical Society, Other Indexed Journal, June 2018

Metrics

Publication: 32

Citation (WoS): 38

Citation (Scopus): 40

H-Index (WoS): 3

H-Index (Scopus): 3

Research Areas

Mathematics, Geometry, Natural Sciences

Non Academic Experience

TRABZON YOMRA ÖZDİL ÇOK PROGRAMLI LİSE, MATEMATİK ÖĞRETMENİ

Other Public Institution, Milli Eğitim Bakanlığı

VAN BAŞKALE ALBAYRAK İLKÖĞRETİM OKULU, MATEMATİK ÖĞRETMENİ

BURSA GEMLİK ABDULLAH FEHMİ İLKÖĞRETİM OKULU, MATEMATİK ÖĞRETMENİ