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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-6675-2017

ScopusID: 23476780100

Yoksis Researcher ID: 259636

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı/Geometri Bilim Dalı, Turkey
2006 - 2009

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı/Geometri Bilim Dalı ,
Turkey 2003 - 2006

Undergraduate, Akdeniz University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1996 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, Eğitimcilerin Eğitimi, Mehmet Akif Ersoy Üniversitesi, 2022

Vocational Training, Öğretmenlik Mesleki Eğitim Belgesi, Akdeniz Üniversitesi, 2000

Dissertations

Doctorate, Taksi, Maksimum, Çin dama ve Alfa düzlemlerinin Bazı Özellikleri ve Genelleştirilmesi, Eskisehir Osmangazi
University, Fen Bilimleri Enstitüsü, Matematik Bölümü/Geometri Bilim Dalı , 2009

Postgraduate, Bazı Öklidyen Problemlerin Taksi Geometrideki Benzerleri , Eskisehir Osmangazi University, Fen Bilimleri
Enstitüsü, Matematik Bölümü/Geometri Bilim Dalı, 2006

Research Areas

Mathematics, Geometry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Akdeniz University, Technical Sciences Vocational School, Department of Computer Technologies,
2020 - Continues
Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Department of Computer Technologies,
2018 - Continues
Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Department of Computer Technologies,
2017 - 2018

Courses

Projektif Geometri, Postgraduate, 2021 - 2022
Bilgisayar Destekli Geometri, Undergraduate, 2019 - 2020
Temel Matematik, Associate Degree, 2019 - 2020
Mesleki Matematik, Associate Degree, 2019 - 2020
Taksikab Geometri, Postgraduate, 2019 - 2020

Advising Theses

Çolakoğlu H. B., İki ve üç boyutlu genelleştirilmiş Öklidyen iç çarpım uzaylarında bazı geometrik özellikler, Postgraduate, M.Duru(Student), 2023
Çolakoğlu H. B., Genelleştirilmiş taksikab uzaklık formülleri, Postgraduate, K.Uluğ(Student), 2022
Çolakoğlu H. B., Taksikab geometride konikler üzerine, Postgraduate, M.Özer(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Generalized Split Quaternions and Their Applications on Non-Parabolic Conical Rotations**
Duru M., Çolakoğlu H. B.
SYMMETRY, vol.15, no.9, pp.1-14, 2023 (SCI-Expanded)
- II. **On Elliptical Motions on a General Ellipsoid**
ÇOLAKOĞLU H. B., ÖZDEMİR M.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.20, no.3, 2023 (SCI-Expanded)
- III. **Non-parabolic conical rotations**
Çolakoğlu H. B., Öztürk İ., Özdemir M.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.420, 2023 (SCI-Expanded)
- IV. **Generalized elliptical quaternions with some applications**
ÇOLAKOĞLU H. B., ÖZDEMİR M.
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.1, pp.351-371, 2023 (SCI-Expanded)
- V. **A generalization of the Minkowski distance and new definitions of the central conics**
ÇOLAKOĞLU H. B.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.1, pp.319-333, 2020 (SCI-Expanded)
- VI. **On the distance formulae in the generalized taxicab geometry**
ÇOLAKOĞLU H. B.
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.3, pp.1578-1594, 2019 (SCI-Expanded)
- VII. **Area formulas for a triangle in the alpha plane**
ÇOLAKOĞLU H. B., GELİŞGEN Ö., Kaya R.
MATHEMATICAL COMMUNICATIONS, vol.18, no.1, pp.123-132, 2013 (SCI-Expanded)
- VIII. **A generalization of some well-known distances and related isometries**
ÇOLAKOĞLU H. B., Kaya R.
MATHEMATICAL COMMUNICATIONS, vol.16, no.1, pp.21-35, 2011 (SCI-Expanded)

IX. Pythagorean theorems in the alpha plane

ÇOLAKOĞLU H. B., GELİŞGEN Ö., Kaya R.

MATHEMATICAL COMMUNICATIONS, vol.14, no.2, pp.211-221, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **27. Ulusal Antalya Matematik Olimpiyatı 2. Aşama**
Aliyev İ., Özdemir M., Çolakoğlu H. B.
Matematik Dünyası, vol.118, no.30, pp.78-90, 2023 (Peer-Reviewed Journal)
- II. **26. Ulusal Antalya Matematik Olimpiyatı - 2. Aşama**
Aliyev İ., Özdemir M., Çolakoğlu H. B.
Matematik Dünyası, vol.29, no.113, pp.83-92, 2022 (Peer-Reviewed Journal)
- III. **26. Ulusal Antalya Matematik Olimpiyatı - 1. Aşama**
Aliyev İ., Özdemir M., Çolakoğlu H. B.
Matematik Dünyası, vol.2022, no.2, pp.84-90, 2022 (Peer-Reviewed Journal)
- IV. **25. Ulusal Antalya Matematik Olimpiyatı - 2. Aşama**
Aliyev İ., Özdemir M., Çolakoğlu H. B.
Matematik Dünyası, vol.2022, no.1, pp.61-65, 2022 (Peer-Reviewed Journal)
- V. **Geometrik Yer Kavramı ve Olimpiyat Problemleri**
Çolakoğlu H. B.
Matematik Dünyası, vol.2022, no.1, pp.37-47, 2022 (Peer-Reviewed Journal)
- VI. **Area of a triangle in terms of the m-generalized taxicab distance**
ÇOLAKOĞLU H. B.
Konuralp Journal of Mathematics, vol.7, no.1, pp.222-227, 2019 (Peer-Reviewed Journal)
- VII. **ON GENERALIZED TAXICAB METRIC IN THREE DIMENSIONAL SPACE**
ÇOLAKOĞLU H. B.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.2, pp.1359-1369, 2019 (ESCI)
- VIII. **The Generalized Taxicab Group**
ÇOLAKOĞLU H. B.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.83-89, 2018 (ESCI)
- IX. **A generalization of the taxicab metric and related isometries**
ÇOLAKOĞLU H. B.
Konuralp Journal of Mathematics, vol.6, no.1, pp.158-162, 2018 (Peer-Reviewed Journal)
- X. **Trigonometric functions in the m-plane**
ÇOLAKOĞLU H. B.
KoG (Scientific and professional journal of Croatian Society for Geometry and Graphics), vol.21, no.21, pp.6-10, 2017 (Peer-Reviewed Journal)
- XI. **Concerning the alpha distance**
ÇOLAKOĞLU H. B.
Algebras, Groups and Geometries, vol.28, no.1, pp.1-14, 2011 (Peer-Reviewed Journal)
- XII. **Chinese checker versions of the Pythagorean theorem**
ÇOLAKOĞLU H. B., KAYA R.
International Journal Of Contemporary Mathematical Sciences, vol.2, no.2, pp.61-69, 2009 (Peer-Reviewed Journal)
- XIII. **Volume of a tetrahedron in the taxicab space**
ÇOLAKOĞLU H. B., KAYA R.
Missouri Journal of Mathematical Sciences, vol.21, no.1, pp.21-27, 2009 (Scopus)
- XIV. **Regular Polygons in Some Models of Protractor Geometry**
ÇOLAKOĞLU H. B., KAYA R.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.2, no.2, pp.76-87, 2009 (Peer-Reviewed Journal)

- XV. **Regular polygons in the taxicab plane**
ÇOLAKOĞLU H. B., KAYA R.
KoG (Scientific and professional journal of Croatian Society for Geometry and Graphics), vol.12, pp.27-33, 2008
(Peer-Reviewed Journal)
- XVI. **On the regular polygons in the Chinese checker plane**
ÇOLAKOĞLU H. B., KAYA R.
Applied Science, vol.10, pp.29-37, 2008 (Scopus)
- XVII. **Taxicab versions of Pythagorean theorem**
ÇOLAKOĞLU H. B., KAYA R.
Pi Mu Epsilon Journal, vol.12, no.9, pp.535-539, 2008 (Peer-Reviewed Journal)
- XVIII. **A synthetic approach to the taxicab circles**
ÇOLAKOĞLU H. B., KAYA R.
Applied Sciences, vol.9, pp.67-77, 2007 (Scopus)
- XIX. **Taxicab versions of some Euclidean theorems**
KAYA R., ÇOLAKOĞLU H. B.
International Journal of Pure and Applied Mathematics, vol.26, no.1, pp.69-79, 2006 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Generalized split quaternions and their applications on non-parabolic conical rotations**
DURU M., ÇOLAKOĞLU H. B.
2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Konya, Turkey, 5 - 07
June 2023, pp.76
- II. **On the generalized lp-metric**
ÇOLAKOĞLU H. B.
19th International Geometry Symposium, Edirne, Turkey, 27 July 2022, pp.81
- III. **Geogebra ile koniklerin tanımları üzerine**
Çolakoğlu H. B.
Matematik Öğretmenlerine Akademik Gelişim Seminerleri 2 , Antalya, Turkey, 30 January 2020
- IV. **On the generalized taxicab trigonometry**
ÇOLAKOĞLU H. B.
8th International Eurasian Conference On Mathematical Sciences And Applications, Baku, Azerbaijan, 27 - 30
August 2019, pp.217
- V. **On the alpha distance formulae in three dimensional space**
ÇOLAKOĞLU H. B.
International Conference On Mathematics And Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.244-
245
- VI. **The generalized taxicab distance formulae**
ÇOLAKOĞLU H. B.
17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019, pp.28
- VII. **On the group of isometries of the generalized taxicab plane**
ÇOLAKOĞLU H. B.
7th International Eurasian Conference on Mathematics Sciences and Applications, Kiev, Ukraine, 28 - 31 August
2018, pp.176
- VIII. **On the Pythagorean theorem in the generalized taxicab plane**
ÇOLAKOĞLU H. B.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.118
- IX. **On the isometries of the generalized taxicab plane**
ÇOLAKOĞLU H. B.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.117

- X. **On the m-generalized taxicab metric**
ÇOLAKOĞLU H. B.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 June 2017, pp.69
- XI. **Alfa düzleminde üçgenlerin alanları üzerine**
GELİŞGEN Ö., KAYA R., ÇOLAKOĞLU H. B.
IX. Ulusal Geometri Sempozyumu, Samsun, Turkey, 7 - 10 June 2011
- XII. **Alfa düzleminde Pisagor teoremi üzerine**
GELİŞGEN Ö., KAYA R., ÇOLAKOĞLU H. B.
VIII. Ulusal Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010, pp.117
- XIII. **Regular polygons in some models of protractor geometry**
ÇOLAKOĞLU H. B., KAYA R.
VI. Ulusal Geometri Sempozyumu, Bursa, Turkey, 1 - 04 July 2008, vol.2, pp.76-87
- XIV. **Bazı iyi bilinen uzaklıkların bir genellemesi ve ilişkili izometrilere**
ÇOLAKOĞLU H. B., KAYA R.
VII. Ulusal Geometri Sempozyumu, Kırşehir, Turkey, 7 - 10 July 2009, pp.76
- XV. **Taksi düzlemde Pisagor teoremi üzerine**
ÇOLAKOĞLU H. B., KAYA R.
V. Ulusal Geometri Sempozyumu, Sakarya, Turkey, 4 - 07 July 2007, pp.25

Supported Projects

ÇOLAKOĞLU H. B., Project Supported by Higher Education Institutions, Genelleştirilmiş Taksi Düzleminin İzometrilere Üzerine, 2018 - 2018

Metrics

Publication: 43
Citation (WoS): 14
Citation (Scopus): 16
H-Index (WoS): 2
H-Index (Scopus): 2