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Education

Doctorate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, Turkey
2009 - 2014

Postgraduate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ,
Turkey 2006 - 2009

Undergraduate, Suleyman Demirel University, Matematik Bölümü, Turkey 2002 - 2006

Dissertations

Doctorate, Düzgün Çokyüzlülerin Metrik Geometriler İle İlişkileri Üzerine, Eskisehir Osmangazi University, Fen Fakültesi,
Matematik Ve Bilgisayar Bilimleri Bölümü, 2014

Postgraduate, Bulanık Kümeler ve Bulanık Geometriler Üzerine, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü,
2009

Research Areas

Mathematics, Geometry, Optimization

Academic Positions

Assistant Professor, Eskisehir Osmangazi University, Fen Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü, 2015 -
Continues

Research Assistant, Eskisehir Osmangazi University, Fen Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü, 2007 -
2015

Supervised Theses

Ermiş T., n. Mertebeden Tam G ve S- Metrik Uzaylardan Yeni Tam n. Mertebeden G ve S-Metrik Uzayların Elde Edilişi
Üzerine, Postgraduate, E.TELLİ(Student), 2022

Ermiş T., Lp - Normlu Uzaylarda İnversiyon Dönüşümünün Özellikleri, Postgraduate, A.OSMAN(Student), 2022
Gelişgen Ö., Ermiş T., A - Metrik Uzayda Suzuki Tip Sabit Nokta Teoremleri, Doctorate, E.ÇOLAK(Student), 2021

Gelişgen Ö., Ermiş T., Sabit Noktaların Bazı Geometrik Özellikleri, Doctorate, G.ZAİM(Student), 2020
Ermiş T., Genelleştirilmiş Metrik Uzaylarda Kapalı Bağıntıları Sağlayan Dönüşümlerin Sabit Noktaları, Postgraduate, S.ÖNÇIRAK(Student), 2019
Ermiş T., Üç Boyutlu Uzayın TD Metriğine Göre İzometri Grubu Üzerine, Postgraduate, M.ÇOLAK(Student), 2018

Journal articles indexed in SCI, SSCI, and AHCI

- I. Mathematical modeling for the potential energy of the aminophenol derivative azomethine molecule via Bezier surfaces and fuzzy inference system
Ermiş T.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, 2024 (SCI-Expanded)
- II. Theoretical and experimental study on (E)-N'-(2-hydroxy-5-(thiophen-3-yl)benzylidene)benzohydrazide compound: Its optimization with DFT and Fuzzy logic approach (FLA), structural and spectroscopic investigation, HOMO-LUMO, MEP, atomic charge, and NBO analysis
Ahmed Z. K., Ermiş T., Ermiş E.
Journal of Molecular Structure, vol.1315, 2024 (SCI-Expanded)
- III. A New Approach to Circular Inversion in l1-Normed Spaces
Ermiş T., Şen A. O., Giełis J.
SYMMETRY, vol.16, pp.874, 2024 (SCI-Expanded)
- IV. A new filled function for global optimization and its deterministic efficiency in solving the facility layout/location problem
Şahiner A., Ermiş T., Findik A. B., Awan M. W., Özdemir G.
ENGINEERING OPTIMIZATION, 2024 (SCI-Expanded)
- V. Fixed ellipse theorems in metric spaces and an application of discontinuous activation function in neural networks
Ermiş T., Ercinar G. Z., Gelişgen Ö.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.46, no.15, pp.16037-16049, 2023 (SCI-Expanded)
- VI. A New Filled Function for Global Optimization
Şahiner A., Ermiş T., Awan M. W.
Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.31, no.3, pp.207-220, 2023 (SCI-Expanded)
- VII. Determining the most effective way of intervention in forest fires with fuzzy logic modeling : the case of Antalya/Türkiye
Şahiner A., Ermiş T., Karakoyun M. H., Awan M. W.
Natural Hazards, vol.116, no.2, pp.2269-2282, 2023 (SCI-Expanded)
- VIII. Optimization of energy surface of thiophene-benzothiazole derivative Schiff base molecule with fuzzy logic modelling
Şahiner A., Ermiş T., Ermiş E.
Computational and Theoretical Chemistry, vol.1211, 2022 (SCI-Expanded)
- IX. Synthesis, characterization of (E)-3-((2-hydroxy-5-(thiophen-2-yl) benzylidene)amino)benzonitrile and optimization of its energy by Fuzzy Logic Modelling
Ermiş E., Ermiş T., Şahiner A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1262, pp.1-11, 2022 (SCI-Expanded)
- X. Remarks on asymptotic regularity in A-metric spaces
Ermiş T., Gelişgen Ö., Abbas M.
Optimization, vol.71, no.13, pp.3737-3765, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Geometric Pattern Of Powers Of Three Via Sierpinski Triangular Numbers**
Ermiş T.
Eskişehir Technical University Journal of Science and Technology A- Applied Sciences and Engineering, vol.25, no.3, pp.485-489, 2024 (Peer-Reviewed Journal)
- II. **Original New Fixed Point Theorems In nth Order G– Metric Spaces**
Ermiş T., Öncürek S.
New Trends in Mathematical Sciences, vol.11, no.4, pp.50-61, 2023 (Peer-Reviewed Journal)
- III. **Inversions and Fractal Patterns in Alpha Plane**
Gelişgen Ö., Ermiş T.
International Electronic Journal of Geometry, vol.16, no.1, pp.398-411, 2023 (ESCI)
- IV. **On Constructing Complete A-Metric Spaces**
Ermiş T.
Konuralp Journal of Mathematics, vol.10, no.1, pp.30-33, 2022 (Peer-Reviewed Journal)
- V. **Does The Monge Theorem Apply To Some Non-Euclidean Geometries ?**
Ermiş T., Gelişgen Ö.
Global Journal of Advanced Research on Classical and Modern Geometries, vol.10, no.2, pp.122-127, 2021 (Peer-Reviewed Journal)
- VI. **Geometric Analysis of the Some Rectified Archimedean Solids Spaces via Their Isometry Groups**
Ermiş T.
Mathematical Sciences and Applications E-Notes, vol.8, no.2, pp.96-109, 2020 (Scopus)
- VII. **The Metrics For Rhombicuboctahedron And Rhombicosidodecahedron**
Gelişgen Ö., Ermiş T.
Palestine Journal of Mathematics, vol.9, no.1, pp.15-25, 2020 (Scopus)
- VIII. **A Note About Truncated Rombicuboctahedron and Truncated Rhombicosidodecahedron Space**
Ermiş T., Savci Ü. Z., Gelişgen Ö.
Scientific Studies and Research. Series Mathematics and Informatics, vol.29, no.1, pp.73-88, 2019 (Peer-Reviewed Journal)
- IX. **Some Properties of Inversions in Alpha Plane**
Gelişgen Ö., Ermiş T.
Forum Geometricorum, no.19, pp.1-9, 2019 (Peer-Reviewed Journal)
- X. **A Taxicab Version of A Triangle' s Apollonius Circle**
Ermiş T., Gelişgen Ö., Ekici A.
Journal of Mahani Mathematical Research Center, vol.7, no.1, pp.25-36, 2018 (Peer-Reviewed Journal)
- XI. **A Note About The Metrics Induced by Truncated Dodecahedron And Truncated Icosahedron**
Gelişgen Ö., Ermiş T., Günaltılı İ.
InternationalJournal of Geometry, vol.6, no.2, pp.5-16, 2017 (Peer-Reviewed Journal)
- XII. **On An Extension Of The Polar Taxicab Distance in Space**
Ermiş T., Gelişgen Ö.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.65, no.2, pp.37-45, 2016 (Peer-Reviewed Journal)
- XIII. **On The Area Of A Triangle In IRM2**
Ermiş T., Gelişgen Ö.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.15, pp.7-14, 2015 (Peer-Reviewed Journal)
- XIV. **On the Isometries of 3 Dimensional Maximum Spaces**
Ermiş T., Kaya R.
Konuralp Journal of Mathematics, vol.3, no.1, pp.103-114, 2015 (Peer-Reviewed Journal)
- XV. **Area Formulas For A Triangle In The m Plane**
Gelişgen Ö., Ermiş T.
Konuralp Journal of Mathematics, vol.2, no.2, pp.85-95, 2014 (Peer-Reviewed Journal)
- XVI. **On Taxicab Incircle And Circumcircle Of A Triangle**

Ermiş T., Gelişgen Ö., Rüstem K.

Scientific and Professional Journal of the Croatian Society for Geometry and Graphics, vol.16, pp.3-12, 2012 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

I. A Geometric View to Fixed Point Theory on A Metric Space: Fixed Apollonius Circle

Gelişgen Ö., Ermiş T., Zaim Erçinár G.

11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), İstanbul, Turkey, 29 August - 01 September 2022, pp.175, (Summary Text)

II. An Esthetic Filled Function for Global Optimization

Şahiner A., Ermiş T., Awan M. W.

11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), İstanbul, Turkey, 29 August - 01 September 2022, pp.51-52, (Summary Text)

III. Circular and Elliptic Inversions in Taxicab Plane Geometry

Şen A. O., Ermiş T.

19th International Geometry Symposium, Edirne, Turkey, 27 - 30 June 2022, pp.30, (Summary Text)

IV. Some Fixed Point Theorems in G-Metric Spaces with Order n

Kızılavuz S., Gelişgen Ö., Ermiş T.

17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019, pp.99, (Summary Text)

V. A General Fixed Point Theorem on A-Metric Spaces

Gelişgen Ö., Ermiş T.

17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019, pp.87, (Summary Text)

VI. On Obtaining Complete S-Metric Space

Ermiş T., Gelişgen Ö.

17th International Geometry Symposium, Erzincan, Turkey, 19 - 22 June 2019, pp.88, (Summary Text)

VII. Inversion About a Circle in PT Metric Space

Ermiş T., Çolak Aktaş E., Gelişgen Ö.

16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.194, (Summary Text)

VIII. Some Geometric Properties of Rhombic Dodecahedron Space

Ermiş T., Zaim Erçinár G., Gelişgen Ö.

16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.185-186, (Summary Text)

IX. Alpha Circle Inversion And Fractals

Gelişgen Ö., Ermiş T.

15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017, pp.192-193, (Summary Text)

X. On Archimedean Polyhedral Metric and its Isometry Group

Gelişgen Ö., Ermiş T.

14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.131, (Summary Text)

XI. The Isometry Group of Polyhedral Space

Gelişgen Ö., Ermiş T.

International Conference of Quantum Science and Applications (ICQSA-2016), Eskişehir, Turkey, 25 - 27 May 2016, pp.94, (Summary Text)

XII. R_m^2 Düzleminde Bazı Trigonometrik Fonksiyonlar

Ermiş T.

14. Matematik Sempozyumu, Niğde, Turkey, 14 - 16 May 2015, pp.117-119, (Summary Text)

XIII. On The Metric Geometry and Regular Polyhedrons

Ermiş T., Kaya R.

Internatioanal Congress In Honour Of Professor Ravi Agarwal, Bursa, Turkey, 23 - 26 June 2014, pp.165, (Summary Text)

XIV. Some Properties Of The Circles Of Triangles In Taxicab Plane

Ermiş T., Gelişgen Ö., Kaya R.

11. Geometri Sempozyumu, Ordu, Turkey, 1 - 05 July 2013, pp.78, (Summary Text)

Funded Projects

Ermiş T., Çimen Mutlu Y., Ermiş E., Project Supported by Higher Education Institutions, N'-(2-hidroksi-5-(tiyofen-3-il)benziliden)benzohidrazid Bileşığının Sentezi, Yapısal Geometrisinin Teorik Optimizasyonu ve DFT Hesaplamaları, 2022 - 2023

Ermiş T., Project Supported by Higher Education Institutions, Genelleştirilmiş Metrik Uzaylarda Kapalı Bağıntıları Sağlayan Dönüşümlerin Sabit Noktaları, 2020 - 2021

Ermiş T., Project Supported by Higher Education Institutions, Bazı Düzeltilmiş Archimedean Çokyüzlülerin Geometrik Özellikleri Üzerine, 2017 - 2018

Metrics

Publication: 40

Non Academic Experience

Eskişehir Osmangazi Üniversitesi, Öğretim Üyesi Yardımcısı