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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2014 - 2020

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2007 - 2011

Dissertations

Doctorate, Minkowski uzayında eğrilerin elde edilmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2019

Postgraduate, 3-boyutlu minkowski uzayında bertrand eğrilerinin küresel göstergelerinin yeni gösterimleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2013

Academic Titles / Tasks

Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2020 - Continues

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2016 - 2019

Courses

FMA 630 Geometriden Seçme Konular II, Postgraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. Helicoidal surfaces in some conformally flat pseudo-spaces of dimensional three

Yerlikaya F.

INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.03, 2023 (SCI-Expanded)

II. On the derivative formulas of the rotation minimizing frame in Lorentz-Minkowski 3-space

Yerlikaya F., Aydemir I.

International Journal of Geometric Methods in Modern Physics, vol.19, no.3, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Helicoidal Surfaces with Prescribed Curvatures in Some Conformally Flat Pseudo-Spaces of Dimensional Three**
Sancı B., Yerlikaya F.
Fundamental journal of mathematics and applications (Online), vol.6, no.3, pp.157-169, 2023 (Peer-Reviewed Journal)
- II. **The Transversal Intersection of Surfaces Generated by Time-like Mannheim Curve Pair**
KARAAHMETOĞLU S., YERLİKAYA F., AYDEMİR İ.
Prespacetime Journal, vol.12, no.1, pp.83-91, 2021 (Peer-Reviewed Journal)
- III. **Integrability for the Derivative Formulas of Rotation Minimizing Flame in Euclidean 3-S pace and Its Applications**
Yerlikaya F., Aydemir İ.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.13, no.1, pp.116-128, 2020 (ESCI)
- IV. **On the pair of spacelike bertrand-B curves with timelike principal normal in R^3**
Yerlikaya F., Karaahmetoğlu S., Aydemir İ., Badawi A.
Palestine Journal of Mathematics, vol.9, no.2, pp.925-931, 2020 (Scopus)
- V. **BERTRAND-B CURVES IN THE THREE DIMENSIONAL SPHERE**
YERLİKAYA F., AYDEMİR İ.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.34, no.2, pp.261-273, 2019 (Peer-Reviewed Journal)
- VI. **On the Transversal Intersection Curve of the Special Surfaces of Bertrand Curve Pairs**
Savaş K., YERLİKAYA F., AYDEMİR İ.
Prespacetime, vol.8, no.7, pp.852-864, 2017 (Peer-Reviewed Journal)
- VII. **On The Timelike Bertrand B Pair Curves in 3 Dimensional Minkowski Space**
Karaahmetoğlu S., YERLİKAYA F., AYDEMİR İ.
Prespacetime Journal, vol.7, no.15, pp.1992-2001, 2016 (Peer-Reviewed Journal)
- VIII. **ON THE BERTRAND B-PAIR CURVES IN 3-DIMENSIONAL EUCLIDEAN SPACE**
Yerlikaya F., Karaahmetoglu S., Aydemir İ.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.215-224, 2016 (ESCI)
- IX. **New Representations of Spherical Indicatrices of Bertrand Curves in Minkowski 3-Space**
Aydemir İ., Yerlikaya F.
Geometry, vol.2015, pp.1-5, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Method to Obtain The Position Vector of Slant Helices in Lorentz-Minkowski 3-Space**
YERLİKAYA F., AYDEMİR İ.
16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018
- II. **Some Characterization for the Scroll Surfaces Via Bishop II Frame**
YERLİKAYA F., Karaahmetoğlu S., AYDEMİR İ.
International Conference on Computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017
- III. **Bertrand-B Curves in 3 Dimensional Riemannian Space Forms**
YERLİKAYA F., Karaahmetoğlu S., AYDEMİR İ.
International Conference on Computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017
- IV. **Some Characterizations for the Scroll Surfaces Via Bishop II Frames**
YERLİKAYA F., KARAAHMETOĞLU S., AYDEMİR İ.
International Conference on Computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017

- V. **A New Method to Obtain Curves According to Bishop Frames**
YERLİKAYA F., Karaahmetoğlu S., AYDEMİR İ.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- VI. **On the Transversal Intersection of Special Surfaces of Timelike Mannheim Curve Pair**
Karaahmetoğlu S., YERLİKAYA F., AYDEMİR İ.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- VII. **A New Perspective to the Fundamental Theorem of Non-Null Curves in 3-Dimensional Minkowski Space**
YERLİKAYA F., AYDEMİR İ.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- VIII. **A New Method to Obtain Special Curves in Euclidean 3 Space**
YERLİKAYA F., Karaahmetoğlu S., AYDEMİR İ.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016
- IX. **Mannheim Eğri Çiftinin Oluşturduğu Regle Yüzeylerin Arakesitleri**
Karaahmetoğlu S., YERLİKAYA F., AYDEMİR İ.
13. GEOMETRİ SEMPOZYUMU, Turkey, 27 - 30 July 2015
- X. **Minkowski 3 Uzayında Spacelike Bertrand Eğri Çiftlerinin Yeni Karakterizasyonları**
YERLİKAYA F., Karaahmetoğlu S., AYDEMİR İ.
13. GEOMETRİ SEMPOZYUMU, Turkey, 27 - 30 July 2015
- XI. **New Characterizations of The Timelike Bertrand Pairs in Minkowski Space**
AYDEMİR İ., YERLİKAYA F., KARAAHMETOĞLU S.
XI. Geometri Sempozyumu, Ordu, Turkey, 1 - 05 July 2013
- XII. **On Intersections of Surfaces Constructed on Curves**
Karaahmetoğlu S., YERLİKAYA F., AYDEMİR İ.
11. GEOMETRİ SEMPOZYUMU, Turkey, 1 - 05 July 2013
- XIII. **New Characterizations of The Timelike Bertrand Pairs in Minkowski 3-Space**
AYDEMİR İ., YERLİKAYA F., Karaahmetoğlu S.
11. GEOMETRİ SEMPOZYUMU, Turkey, 01 July 2013 - 05 July 2012