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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2012 - 2018

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2010 - 2012

Dissertations

Doctorate, ÇARPANLARA AYRILABİLİR YÜZEYLERİN BİR KARAKTERİZASYONU, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 2018

Postgraduate, Öklid uzaylarında öteleme yüzeylerinin bir karakterizasyonu, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2012

Research Areas

Mathematics, Differential Geometry, Geometry

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Approach to Timelike Hypersurfaces of Constant Ratio in E_1^4**
Büyükkütük S.
Journal of Mathematics, vol.2023, pp.1-6, 2023 (SCI-Expanded)
- II. **Constant Ratio Quaternionic Curves in Euclidean Spaces**
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1659-1673, 2017 (SCI-Expanded)
- III. **A characterization of curves in Galilean 4-space G_4**
ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ.
Bulletin Of The Iranian Mathematical Society, vol.43, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Non-null Translation-Homothetical surfaces in four-dimensional Minkowski space**
BÜYÜKKÜTÜK S., ÖZTÜRK G.

- Turkish Journal of Science, vol.8, no.1, pp.1-10, 2023 (Peer-Reviewed Journal)
- II. **A new characterization of the Aminov surface with regards to its Gauss map in E^4**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.12, no.1, pp.25-32, 2023 (Peer-Reviewed Journal)
- III. **An Investigation of Timelike Aminov Surface with respect to its Gauss Map in Minkowski Space-time**
BÜYÜKKÜTÜK S.
International Electronic Journal of Geometry, vol.16, no.1, pp.171-180, 2023 (ESCI)
- IV. **A new type timelike surface given with monge patch in E^4**
Büyükkütük S., Öztürk G.
TWMS Journal of Applied and Engineering Mathematics, vol.11, no.1, pp.176-183, 2021 (Peer-Reviewed Journal)
- V. **Some Characterizations of Curves in n-dimensional Euclidean Space n**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G., ARSLAN K.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Peer-Reviewed Journal)
- VI. **SPACELIKE TRANSLATION SURFACES IN MINKOWSKI 4 SPACE E^4**
BÜYÜKKÜTÜK S., Orturk G.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.35, no.3, pp.789-800, 2020 (ESCI)
- VII. **An Application of Factorable Surfaces in Euclidean 4-Space E^4**
Büyükkütük S., Öztürk G.
TWMS Journal of Applied and Engineering Mathematics, vol.9, no.1, pp.121-127, 2019 (Peer-Reviewed Journal)
- VIII. **A Characterization of Factorable Surfaces in Euclidean 4-Space E^4**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
Kocaeli Journal of Science and Engineering, vol.1, no.1, pp.15-20, 2018 (Peer-Reviewed Journal)
- IX. **Constant ratio timelike curves in pseudo-Galilean 3-space G_{31}**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
Creative Mathematics and Informatics, vol.27, no.1, pp.57-62, 2018 (Peer-Reviewed Journal)
- X. **A Characterization of Non-Lightlike Curves With Respect to Parallel Transport Frame in Minkowski Space-Time**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES, 2018 (Scopus)
- XI. **Constant ratio timelike curves in pseudo-Galilean 3-space G_{13}**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
Creative Mathematics and Informatics, 2018 (Peer-Reviewed Journal)
- XII. **A New Characterization of Curves on Dual Unit Sphere**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G., ZOR A.
Journal of Abstract and Computational Mathematics, vol.2, 2017 (Peer-Reviewed Journal)
- XIII. **SPACELIKE FACTORABLE SURFACES IN FOUR-DIMENSIONAL MINKOWSKI SPACE**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.9, no.4, pp.12-20, 2017 (ESCI)
- XIV. **A Characterization of Curves According to Parallel Transport Frame in Euclidean n-Space E^n**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
New Trends in Mathematical Sciences, vol.5, 2017 (Peer-Reviewed Journal)
- XV. **AW k TYPE CURVES ACCORDING TO PARALLEL TRANSPORT FRAME IN EUCLIDEAN SPACE E^4**
KİŞİ İ., BÜYÜKKÜTÜK S., DEEPMALA, ÖZTÜRK G.
Facta Universitatis Series: Mathematics and Informatics, vol.31, no.4, pp.885-905, 2016 (ESCI)
- XVI. **SOME CHARACTERIZATIONS OF CURVES IN GALILEAN 3-SPACE $G(3)$**
BÜYÜKKÜTÜK S., KİŞİ İ., MISHRA V. N., ÖZTÜRK G.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.2, pp.503-512, 2016 (ESCI)
- XVII. **AW(k)-TYPE CURVES ACCORDING TO PARALLEL TRANSPORT FRAME IN EUCLIDEAN SPACE E^4**
KİŞİ İ., BÜYÜKKÜTÜK S., Deepmala, ÖZTÜRK G.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.4, pp.885-905, 2016 (ESCI)
- XVIII. **Constant ratio curves according to parallel transportframe in euclidean 4 space E^4**

BÜYÜKKÜTÜK S., ÖZTÜRK G.

New Trends in Mathematical Sciences, vol.3, no.4, pp.171-178, 2015 (Peer-Reviewed Journal)

XIX. Constant Ratio Curves According to Bishop Frame in Euclidean 3 Space E^3

BÜYÜKKÜTÜK S., ÖZTÜRK G.

General Mathematics Notes, vol.28, no.1, pp.81-91, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. MINKOWSKI 3-UZAYINDA Q-ÇATISINA GÖRE SABİT ORANLI TIMELIKE EĞRİLER

BÜYÜKKÜTÜK S.

in: FEN BİLİMLERİ VE MATEMATİKTE ULUSLARARASI TEORİ, ARAŞTIRMA VE DERLEMELER Ekim 2023, Akgül Hasan, Editor, Serüven Yayın Evi, Ankara, pp.219-233, 2023

II. E_1^3 MINKOWSKI UZAYINDA SABİT ORANLI BAZI DÖNEL YÜZEYLER

BÜYÜKKÜTÜK S.

in: Fen Bilimleri & Matematikte Güncel Araştırmalar Haziran 2023, Dayangaç Alpaslan, Akgül Hasan, Özomay Zafer, Özomay Meral, Editor, Gece Publishing / Gece Kitaplığı, Ankara, pp.51-66, 2023

Refereed Congress / Symposium Publications in Proceedings

I. A Characterization of Curves with respect to Quasi frame in E^3

Kalmuk R., Büyükkütük S., Öztürk G.

ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023, pp.87

II. A New Aspect to Rotating Surface in E_1^3

BÜYÜKKÜTÜK S.

10th International Zeugma Conference on Scientific Research, Gaziantep, Turkey, 25 - 26 June 2023, pp.991-995

III. A New Result on a Class of Digital Graph Surface in E_1^4

BÜYÜKKÜTÜK S.

10th International Zeugma Conference on Scientific Research, Gaziantep, Turkey, 25 - 26 June 2023, pp.996-999

IV. A New Research on a Class of Surface Given with Monge Patch in E^4

BÜYÜKKÜTÜK S.

IMASCON 2022 AUTUMN, Kocaeli, Turkey, 09 December 2022

V. Spacelike TF-Type Surfaces in Minkowski Space-Time

Büyükkütük S., Öztürk G.

ICOLES-2022, Antalya, Turkey, 19 - 22 May 2022, pp.20

VI. Timelike TF-Surfaces in Minkowski 4-Space E_1^4

Büyükkütük S.

ICOLES-2021, İstanbul, Turkey, 23 - 25 September 2021, pp.15

VII. Timelike Aminov Surfaces of Elliptic Type in Minkowski 4-Space E_1^4

BÜYÜKKÜTÜK S., ÖZTÜRK G.

2nd International Conference on Life and Engineering Sciences, 27 - 29 June 2019

VIII. Timelike Aminov Surfaces of Hyperbolic Type in Minkowski 4-Space E_1^4

BÜYÜKKÜTÜK S., ÖZTÜRK G.

2nd International Conference on Life and Engineering Sciences, 27 - 29 June 2019

IX. Focal Surface of a Tubular Surface with Darboux Frame in E^3

ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ.

International Conference on Mathematics and Mathematics Education(ICMME 2019), 11 - 13 July 2019

X. FOCAL SURFACE OF A TUBULAR SURFACE WITH BISHOPFRAME IN E^3

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

IFSCOM20185th Ifs And Contemporary Mathematics Conference, 5 - 09 September 2018

- XI. **Timelike Factorable Surfaces in Minkowski 4-Space E₁₄**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
16th International Geometry Symposium, 4 - 07 July 2018
- XII. **A Characterization of Factorable Surfaces in Euclidean 4-Space E₄**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
16th International Geometry Symposium, 4 - 07 July 2018
- XIII. **Spacelike Aminov Surfaces of Hyperbolic Type in Four Dimensional Minkowski Space E₁₄**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
16th International Geometry Symposium, 4 - 07 July 2018
- XIV. **Focal Surfaces of a Tubular Surface with Respect to Frenet Frame in E₃**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
16th International Geometry Symposium, 4 - 07 July 2018
- XV. **Spacelike Aminov Surfaces of Elliptic Type in Four Dimensional Minkowski Space E₁₄**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
16th International Geometry Symposium, 4 - 07 July 2018
- XVI. **Constant Ratio Quaternionic Curves in Euclidean 3 Space E₃**
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S.
14th International Geometry Symposium, 25 - 28 May 2016
- XVII. **Involutes of Order k of a Space-like Curve in E_{1^4}**
ÖZTÜRK G., KİŞİ İ., BÜYÜKKÜTÜK S., ARSLAN K.
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapeşte, Hungary, 15 August 2017, pp.206
- XVIII. **Some Characterizations of Curves in n-Dimensional Euclidean Space E_n**
ÖZTÜRK G., BÜYÜKKÜTÜK S., KİŞİ İ., ARSLAN K.
15th International Geometry Symposium, 3 - 06 July 2017
- XIX. **Spacelike Translation Surfaces in Minkowski 4-Space E_{1 4}**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
15th International Geometry Symposium, 3 - 06 July 2017
- XX. **Tubular Surface with Pointwise 1-Type Gauss Map in Euclidean 4-Space**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
15th International Geometry Symposium, 3 - 06 July 2017
- XXI. **Spacelike Translation Surfaces in Minkowski 4-Space IE₁₄**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
15th International Geometry Symposium, 3 - 06 July 2017
- XXII. **A new type tubular surface with pointwise 1-type Gauss map in Euclidean 4-space**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- XXIII. **A New Characterization of Curves on Dual Unit Sphere**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
International Conference on Mathematics and Engineering (ICOME 2017), 10 - 12 May 2017
- XXIV. **Spacelike Factorable Surfaces in 4-Dimensional Minkowski Space**
BÜYÜKKÜTÜK S., ÖZTÜRK G.
International Conference on Mathematics and Engineering (ICOME 2017), 10 - 12 May 2017
- XXV. **Constant Ratio Quaternionic Curves in Euclidean 4 Space E₄**
KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.
International Congress on Fundamental and Applied Sciences (ICFAS 2016), 22 - 26 August 2016
- XXVI. **A Characterization of Non Null Curves According to Parallel Transport Frame in Minkowski Space Time**
BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.
International Congress on Fundamental and Applied Sciences (ICFAS 2016), 22 - 26 August 2016
- XXVII. **Some Characterizations of Curves in Pseudo Galilean 3 Space**

KİŞİ İ., BÜYÜKKÜTÜK S., ÖZTÜRK G.

14th International Geometry Symposium, 25 - 28 May 2016

XXVIII. On Factorable Surfaces in Euclidean 4 Space E^4

BÜYÜKKÜTÜK S., ÖZTÜRK G.

14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016

XXIX. A Characterization of Curves According to Parallel Transport Frame in Euclidean n space E^n

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), 19 - 23 May 2016

XXX. On Constant Ratio Curves in Galilean Spaces

BÜYÜKKÜTÜK S., KİŞİ İ., ÖZTÜRK G.

4_{th} International Eurasian Conference on Mathematical Sciences and Applications, , , (2015), 31 August - 03 September 2015

XXXI. On Constant Ratio Curves According to Bishop Frame in Euclidean Spaces

BÜYÜKKÜTÜK S., ÖZTÜRK G.

13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015

XXXII. AW k Type Curves According to Parallel Transport Frame in Euclidean Space E^4

KİŞİ İ., ÖZTÜRK G., BÜYÜKKÜTÜK S., ARSLAN K.

12. Ulusal Geometri Sempozyumu, , , (2014), Turkey, 23 - 26 June 2014

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