

Lect. PhD SEHER KAYA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2014 - 2021

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2014

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2008 - 2012

Dissertations

Doctorate, Minimal Yüzeylerin Weierstrass Gösterimleri ve Björling Problemi, Ankara University, Fen Fakültesi, Matematik Bölümü, 2021

Postgraduate, Benzer Eğrilerin ve Benzer Yüzeylerin Geometrisi, Ankara University, Fen Bilimleri Enstitüsü, 2014

Research Areas

Differential Geometry

Academic Titles / Tasks

Lecturer PhD, Ankara University, Elmadağ Meslek Yüksekokulu, Muhasebe ve Vergi Bölümü, 2022 - Continues

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2014 - 2021

Other, Universidad de Granada, Matematik, Matematik, 2015 - 2016

Courses

Mesleki matematik, Associate Degree, 2022 - 2023

Mesleki matematik, Associate Degree, 2022 - 2023

Ticari matematik, Associate Degree, 2022 - 2023

Mesleki Matematik, Associate Degree, 2022 - 2023

Matematik, Associate Degree, 2022 - 2023

Ticari matematik, Associate Degree, 2022 - 2023

Genel matematik, Associate Degree, 2022 - 2023

Mesleki matematik, Associate Degree, 2022 - 2023

Matematik, Associate Degree, 2022 - 2023

Matematik, Associate Degree, 2022 - 2023

Mesleki matematik, Associate Degree, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Riemann zero mean curvature examples in Lorentz-Minkowski space**
Kaya S., Lopez R.
Mathematical Methods in the Applied Sciences, vol.45, no.9, pp.5067-5085, 2022 (SCI-Expanded)
- II. **CLASSIFICATION OF ZERO MEAN CURVATURE SURFACES OF SEPARABLE TYPE IN LORENTZ-MINKOWSKI SPACE**
Kaya S., Lopez R.
TOHOKU MATHEMATICAL JOURNAL, vol.74, no.2, pp.263-286, 2022 (SCI-Expanded)
- III. **Spacelike Zero Mean Curvature Surfaces in L^4**
Kaya S., Lopez R.
Bulletin of the Malaysian Mathematical Sciences Society, vol.43, no.3, pp.2479-2492, 2020 (SCI-Expanded)
- IV. **On the duality between rotational minimal surfaces and maximal surfaces**
Lopez R., Kaya S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.458, no.1, pp.345-360, 2018 (SCI-Expanded)
- V. **Solutions of the Bjorling problem for timelike surfaces in the Lorentz-Minkowski space**
Kaya S., Lopez R.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2186-2201, 2018 (SCI-Expanded)
- VI. **NEW EXAMPLES OF MAXIMAL SURFACES IN LORENTZ-MINKOWSKI SPACE**
Lopez R., Kaya S.
KYUSHU JOURNAL OF MATHEMATICS, vol.71, no.2, pp.311-327, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Timelike clad helices and developable surfaces in Minkowski 3-space**
Kaya S., Ates O., GÖK İ., YAYLI Y.
Rendiconti del Circolo Matematico di Palermo, vol.68, no.2, pp.259-273, 2019 (Scopus)
- II. **Generalized similar frenet curves**
ATEŞ F., KAYA S., YAYLI Y., EKMEKÇİ F. N.
mathematical sciences and applications e-notes, vol.5, no.2, pp.26-35, 2017 (Peer-Reviewed Journal)
- III. **Generalized helices and singular points**
KAYA S., YAYLI Y.
caspien journal of mathematical sciences, vol.6, no.2, pp.121-132, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Solution of Björling problem for spacelike surfaces in L^4**
Kaya S.
VII Macedonian Mathematical Congress, Struga, Macedonia, 27 - 30 June 2023, pp.1
- II. **Maximal surfaces of Riemann type in Lorentz-Minkowski spaces**
Kaya S.
DGA2019, Hradec-Kralove, Czech Republic, 1 - 07 September 2019
- III. **A Study on Duality of Minimal and Maximal Surfaces**
KAYA S.
IECMSA 2018, Kyiv, Ukraine, 28 - 31 August 2018

IV. New Examples of Timelike Minimal Surfaces in Lorentz-Minkowski Space

KAYA S.

International Conference on Mathematics and Mathematics Education (ICMME-2018), 27 - 29 June 2018

V. Construction of maximal surfaces via Björling formula

KAYA S., Lopez R.

15th International Geometry symposium, 3 - 06 July 2017

VI. The Björling problem and Weierstrass representation of maximal surfaces in Lorentz-Minkowski Space

KAYA S.

Young researcher workshop on differential geometry in Lorentz-Minkowski space, Spain, 17 April 2017

VII. Geometry of Similar Surfaces in E³

KAYA S., YAYLI Y.

Karatekin Mathematics Days (KMD 2014), 11 - 13 June 2014

Scientific Refereeing

MEDITERRANEAN JOURNAL OF MATHEMATICS, SCI Journal, December 2021

Journal of Mathematics, SCI Journal, March 2020

JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, SCI Journal, October 2018

Metrics

Publication: 17

Citation (WoS): 12

Citation (Scopus): 13

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

Yurtiçi doktora burs programı, TÜBİTAK, 2014 - 2018

Awards

Kaya S., Ubyt-tübitak, Tübitak, March 2023

Kaya S., ubyt-tübitak, Tübitak, December 2022

Kaya S., ubyt-tübitak, Tübitak, November 2018

Kaya S., ubyt-tübitak, Tübitak, October 2018

Kaya S., Ubyt, Tübitak, December 2017