

Onur KAYA

PERSONAL DETAILS

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EDUCATION

Manisa Celal Bayar University, Manisa, Turkey

Ph.D., Geometry, *Expected*: January 2021 (GPA: 4.00/4.00)

- Thesis Topic: *Geometries and Singularities of Some Special Curves on Hyperbolic Unit Sphere in Minkowski 3-space*
- Advisor: Prof. Dr. Mustafa KAZAZ (Manisa Celal Bayar University)

M.Sc., Geometry, January 2015 (GPA: 4.00/4.00)

- Thesis Topic: *Characterizations of Slant Ruled Surfaces*
- Advisor: Assoc. Prof. Dr. Mehmet ÖNDER (Manisa Celal Bayar University)

Ege University, İzmir, Turkey

B.Sc., Mathematics , June 2010 (GPA: 3.30/4.00)

WORK EXPERIENCE

Research Assistant (January 2013 to present)
Department of Mathematics,
Manisa Celal Bayar University

RESEARCH INTERESTS

- Differential Geometry
- Theory of Curves and Surfaces
- Lorentzian Geometry
- Computer Aided Geometric Design

REFEREED JOURNAL PUBLICATIONS

1. Önder, M., Zıplar, E., **Kaya, O.**, Eikonal slant helices and Eikonal Darboux helices in 3-dimensional Riemannian manifold. *International Journal of Geometric Methods in Modern Physics*, 11(5): 14500450 (10 Pages), 2014. [SCI-Exp.]
2. Önder, M., **Kaya, O.**, Darboux Slant Ruled Surfaces. *Azerbaijan Journal of Mathematics*, 5(1):64–72, 2015. [ESCI]
3. Önder, M., **Kaya, O.**, Slant null scrolls in Minkowski 3-space E_1^3 . *Kuwait Journal of Science*, 43(2): 31–47, 2016. [SCI]
4. **Kaya, O.**, Önder, M., C -partner curves and their applications. *Differential Geometry - Dynamical Systems*, 19: 64–74, 2017.
5. **Kaya, O.**, Önder, M., New partner curves in the Euclidean 3-space E^3 . *International Journal of Geometry*, 6(2): 41–50, 2017.

6. **Kaya, O.**, Önder, M., Characterizations of Slant Ruled Surfaces in the Euclidean 3-space. *Caspian Journal of Mathematical Sciences*, 6(1): 31–46, 2017.
7. **Kaya, O.**, Önder, M., Position vector of a developable h -slant ruled surface. *TWMS J. App. Eng. Math.*, 7(2): 322–331, 2017.
8. **Kaya, O.**, Önder, M., Construction of a surface pencil with a common special surface curve. *Journal of Mahani Mathematical Research Center*, 6(1-2): 57–72, 2017.
9. **Kaya, O.**, Önder, M., On Fibonacci and Lucas Vectors and Quaternions. *Universal Journal of Applied Mathematics*, 6(5): 156–163, 2018.
10. **Kaya, O.**, Önder, M., Position Vector of a Developable q -slant Ruled Surface. *Korean J. Math.*, 26(4): 545–559, 2018. [ESCI]

REFEREED
JOURNAL
PUBLICATIONS
(IN REVIEW)

1. **Kaya, O.**, Önder, M., Position vector of a developable q -slant ruled surface. (submitted)
2. **Kaya, O.**, Önder, M., A new approach to some partner curves with integral curves. (submitted)
3. **Kaya, O.**, Spacelike and timelike Darboux slant ruled surfaces. (submitted)

REFeree/
REVIEWER

- Journal of Mahani Mathematical Research Center, 2018 (1)

CITATIONS

- Sum of the Times Cited: 11
- Sum of the Times Cited without self-citations: 3

CONFERENCE
PRESENTATIONS

1. Önder, M., **Kaya, O.**, Characterizations of f -eikonal slant ruled surfaces, *International Conference on Applied Analysis and Mathematical Modeling*, İstanbul, Turkey, June 2-5, 2013. [Oral Presentation]
2. **Kaya, O.**, Önder, M., Determination of Position Vector of a Developable q -slant Ruled Surface in the Euclidean 3-Space E^3 , *Karatekin Mathematics Days 2014*, Çankırı, Turkey, June 11-13, 2014. [Oral Presentation]
3. **Kaya, O.**, Önder, M., C -partner curves in the Euclidean 3-space E^3 , 28. *Ulusal Matematik Sempozyumu*, Antalya, Turkey, September 7-9, 2015. [Oral Presentation]
4. **Kaya, O.**, Önder, M., Characterizations for new partner curves in the Euclidean 3-space, *14th International Geometry Symposium*, Denizli, Turkey, May 25-28, 2016. [Oral Presentation]
5. **Kaya, O.**, Kahraman, T., Non-null Darboux Slant Ruled Surfaces in Minkowski 3-space, *15th International Geometry Symposium*, Amasya, Turkey, July 3-6, 2017. [Oral Presentation]

6. Kahraman, T., **Kaya, O.**, On Null Bertrand Partner D-curves on Spacelike Surfaces, *15th International Geometry Symposium*, Amasya, Turkey, July 3-6, 2017. [Oral Presentation]

ACADEMIC
PROJECTS

- Characterizations of Slant Ruled Surfaces, Manisa Celal Bayar University, ÖYP Thesis Project, 2014/07, Researcher.

SCIENTIFIC
ACTIVITIES

- Member of Organizing Committee, 16th International Geometry Symposium, 2018.

SCHOLARSHIPS

- Ph.D Scholarship, TÜBİTAK, 2017-...

LANGUAGE

- English: Advanced - YDS: 82.5/100 (2014).

TEACHING
EXPERIENCE

- Courses Assisted (Manisa Celal Bayar University):
2018-2019 Fall
 - Analytical Geometry I
 - Differential Equations I
- 2017-2018 Spring
 - Differential Geometry II
 - Partial Differential Equations II
- 2017-2018 Fall
 - Analysis I
 - Numerical Analysis I
- 2016-2017 Spring
 - Partial Differential Equations II
- 2016-2017 Fall
 - Differential Equations I
- 2015-2016 Spring
 - Differential Equations II
 - Partial Differential Equations II
- 2015-2016 Fall
 - Non-Euclidean Geometry
- 2014-2015 Spring
 - Partial Differential Equations II
- 2014-2015 Fall
 - Analytical Geometry I
 - Non-Euclidean Geometry
- 2013-2014 Spring
 - Introduction to Algebra II
 - Differential Geometry II
 - Partial Differential Geometry II
- 2013-2014 Fall

- Partial Differential Equations I

2012-2013 Spring

- Differential Equations II

- Numerical Analysis II