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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: C-1623-2016

Yoksis Researcher ID: 5452

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1991 - 1995

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1988 - 1990

Undergraduate, Selcuk University, Fen Edebiyat Fakültesi, Matematik, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Yarı-Öklidiyen Uzaylarda Hiperyüzeyler İçin Joachimsthal Teoremi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik, 1995

Postgraduate, Serbest Türev ve Döğüm Polinomları Üzerine, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik, 1990

Research Areas

Mathematics, Differential Geometry, Geometry, Global Analysis, Analysis on Manifolds, Natural Sciences

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Matematik, 2015 - Continues

Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 2006 - 2015

Associate Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 2000 - 2006

Assistant Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 1995 - 2000

Lecturer, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 1994 - 1995

Research Assistant, Sivas Cumhuriyet University, Fen Edebiyat Fakültesi, Matematik, 1988 - 1994

Academic and Administrative Experience

Akdeniz University, Faculty of Science, Matematik, 2018 - Continues
Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 2004 - 2013
Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 2006 - 2009
Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 1995 - 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **SPINOR COVARIANT DERIVATIVE ON DEGENERATE MANIFOLDS**
AYDIN ŞEKERCİ G., ÇÖKEN A. C.
REPORTS ON MATHEMATICAL PHYSICS, vol.86, no.2, pp.241-262, 2020 (SCI-Expanded)
- II. **On the Degenerate Pin Groups**
AYDIN ŞEKERCİ G., ÇÖKEN A. C.
FILOMAT, vol.34, no.6, pp.2017-2027, 2020 (SCI-Expanded)
- III. **ON THE TRANSLATION HYPERSURFACES WITH GAUSS MAP G SATISFYING $\Delta G = AG$**
Sekerci G. A., Sevinc S., ÇÖKEN A. C.
MISKOLC MATHEMATICAL NOTES, vol.20, no.2, pp.1215-1225, 2019 (SCI-Expanded)
- IV. **On the Dual Quaternionic (\mathbb{N})over-bar(3) Slant Helices in $D-4$**
AKSOY A., ÇÖKEN A. C.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.900-904, 2017 (SCI-Expanded)
- V. **Null Quaternionic Cartan Helices in $R-v(3)$**
AKSOY A., ÇÖKEN A. C.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.896-899, 2017 (SCI-Expanded)
- VI. **Characterizations for the Dual Split Quaternionic Curves**
AKSOY A., ÇÖKEN A. C.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.905-908, 2017 (SCI-Expanded)
- VII. **On Darboux rotation axis of lightlike curves**
Sekerci G. A., ÇÖKEN A. C., EKİCİ C.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.13, no.9, 2016 (SCI-Expanded)
- VIII. **Null Quaternionic Curves in Semi-Euclidean 3-Space of Index ν**
AKSOY A., Coken A. C.
ACTA PHYSICA POLONICA A, vol.128, no.2B, 2015 (SCI-Expanded)
- IX. **Serret-Frenet Formulae for Null Quaternionic Curves in Semi Euclidean 4-Space $R-1(4)$**
Aksoy A. T., ÇÖKEN A. C.
ACTA PHYSICA POLONICA A, vol.128, no.2B, 2015 (SCI-Expanded)
- X. **Relaxed elastic lines of second kind in dual space**
Aydin G., GÜRBÜZ Ş. N., Gorgulu A. C., Coken A. C.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.12, no.2, 2015 (SCI-Expanded)
- XI. **ON THE PARALLEL SURFACES IN GALILEAN SPACE**
Dede M., EKİCİ C., Coken A. C.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.6, pp.605-615, 2013 (SCI-Expanded)
- XII. **SLANT SUBMANIFOLDS OF SEMI-RIEMANNIAN MANIFOLDS**
Aydin G., Coken A. C.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.10, no.10, 2013 (SCI-Expanded)
- XIII. **On the Geometry of the Movements of Particles in a Hamilton Space**
Coken A. C., Ayhan I.
ABSTRACT AND APPLIED ANALYSIS, vol.2013, 2013 (SCI-Expanded)
- XIV. **The integral invariants of parallel timelike ruled surfaces**
EKİCİ C., Coken A. C.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.393, no.1, pp.97-107, 2012 (SCI-Expanded)
- XV. **ON EULER'S THEOREM IN SEMI-EUCLIDEAN SPACES $E-v(n+1)$**

- Coken A. C.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.8, no.5, pp.1117-1129, 2011 (SCI-Expanded)
- XVI. **Backlund transformation for non-lightlike curves in Minkowski 3-space**
ÖZDEMİR M., Coken A. C.
CHAOS SOLITONS & FRACTALS, vol.42, no.4, pp.2540-2545, 2009 (SCI-Expanded)
- XVII. **Formulas for dual-split quaternionic curves**
Coken A. C., EKİCİ C., KOCAYUSUFOĞLU İ., Gorgulu A.
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.36, no.1A, pp.1-14, 2009 (SCI-Expanded)
- XVIII. **On Joachimsthal's theorems in semi-Euclidean spaces**
Coken A. C., Gorgulu A.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.70, no.11, pp.3932-3942, 2009 (SCI-Expanded)
- XIX. **On parallel timelike ruled surfaces with timelike rulings**
Coeken A. C., Ciftci U., EKİCİ C.
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.35, no.1A, pp.21-31, 2008 (SCI-Expanded)
- XX. **A note on the geometry of Lie groups**
Coeken A. C., Ciftci U.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.68, no.7, pp.2013-2016, 2008 (SCI-Expanded)
- XXI. **Elastic line deformed on a pseudo-hypersurface by an external field in pseudo-Euclidean spaces**
Ahmet Y., Ceylan C. A.
SCIENCE IN CHINA SERIES A-MATHEMATICS, vol.51, no.2, pp.233-240, 2008 (SCI-Expanded)
- XXII. **Lightlike hypersurfaces in semi-Riemannian manifold with semi-symmetric non-metric connection**
Yasar E., Coken A. C., YÜCESAN A.
MATHEMATICA SCANDINAVICA, vol.102, no.2, pp.253-264, 2008 (SCI-Expanded)
- XXIII. **A characterization of dual Lorentzian spherical curves in the dual Lorentzian space**
Ayyildiz N., Coken A. C., Yucesan A.
TAIWANESE JOURNAL OF MATHEMATICS, vol.11, no.4, pp.999-1018, 2007 (SCI-Expanded)
- XXIV. **Relaxed elastic line on a curved pseudo-hypersurface in pseudo-Euclidean spaces**
Coken A. C., Yucesan A., Ayyildiz N., Manning G.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.315, no.1, pp.367-378, 2006 (SCI-Expanded)
- XXV. **On the cartan curvatures of a null curve in Minkowski spacetime**
Coken A. C., Ciftci U.
GEOMETRIAE DEDICATA, vol.114, no.1, pp.71-78, 2005 (SCI-Expanded)
- XXVI. **On the Darboux rotation axis of Lorentz space curve**
Yucesan A., Coken A., Ayyildiz N.
APPLIED MATHEMATICS AND COMPUTATION, vol.155, no.2, pp.345-351, 2004 (SCI-Expanded)
- XXVII. **On the relaxed elastic line on pseudo-hypersurfaces in pseudo-Euclidean spaces**
Yucesan A., Coken A., Ayyildiz N., Manning G.
APPLIED MATHEMATICS AND COMPUTATION, vol.155, no.2, pp.353-372, 2004 (SCI-Expanded)
- XXVIII. **On the quaternionic inclined curves in the semi-Euclidean space $E-2(4)$**
Coken A. C., Tuna A.
APPLIED MATHEMATICS AND COMPUTATION, vol.155, no.2, pp.373-389, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. DIRAC OPERATORS ON LIGHTLIKE HYPERSURFACES

Şekerci G. A., ÇÖKEN A. C.

Indian Journal of Mathematics, vol.66, no.1, pp.1-21, 2024 (Scopus)

Papers Published in Refereed Scientific Meetings

I. On Rectifying Curves In Dual Space D^3

SEVINC S., SEKERCİ G. A., ÇÖKEN A. C.

ICMME- 2018 International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018, pp.441

II. On Biharmonic Hypersurfaces in Semi-Euclidean Spaces

Sevinc S., Sekerci G. A., ÇÖKEN A. C.

6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Budapest, Hungary, 15 - 17 August 2017, vol.1926

Supported Projects

ÇÖKEN A. C., TÜBİTAK Project, Dejenere Manifoldlar ve Altmanifoldları, 2005 - 2006

Activities in Scientific Journals

Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, Editor, 2006 - 2008

Metrics

Publication: 31

Citation (WoS): 157

Citation (Scopus): 166

H-Index (WoS): 7

H-Index (Scopus): 8

Congress and Symposium Activities

XXIII International Fall Workshop on Geometry and Physics, Attendee, Granada, Spain, 2014

International Conference on Mathematical Modelling in Physical Sciences, Attendee, Madrid, Spain, 2014

VIII Geometri Sempozyumu, Attendee, Antalya, Turkey, 2010

IV Geometri Sempozyumu, Attendee, Zonguldak, Turkey, 2006

III Geometri Sempozyumu, Attendee, Eskişehir, Turkey, 2005

I.Geometri Sempozyumu, Attendee, Elazığ, Turkey, 2003

XV.Ulusal Matematik Sempozyumu, Attendee, Mersin, Turkey, 2002

XIV.Ulusal Matematik Sempozyumu, Attendee, Eskişehir, Turkey, 2001

I.Türk Dünyası Matematik Sempozyumu, Attendee, Elazığ, Turkey, 1999

XI.Ulusal Matematik Sempozyumu, Attendee, Isparta, Turkey, 1998

VII.Matematik Sempozyumu, Attendee, Ankara, Turkey, 1994

III.Ulusal Matematik Sempozyumu, Attendee, Van, Turkey, 1990

II.Ulusal Matematik Sempozyumu, Attendee, İzmir, Turkey, 1989