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Education Information

- I. Doctorate, Akdeniz University, Institute of Science, Matematik Anabilim Dalı, Turkey 2002 - 2007
- II. Postgraduate, Akdeniz University, Institute of Science, Matematik Anabilim Dalı, Turkey 1999 - 2001
- III. Undergraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Öğretmenliği, Turkey 1992 - 1996

Dissertations

- I. Doctorate, Timelike Kuaterniyonların Bazı Geometrik Uygulamaları, Akdeniz University, Institute of Science, Matematik, 2007
- II. Postgraduate, Lorentz Uzayında Non-degenerate Altmanifoldlar ile Bunların Non-degenerate Hiperyüzeylerinin Eğrilikleri Arasındaki Bağlılıklar, Akdeniz University, Institute of Science, Matematik, 2001

Research Areas

Mathematics, Associative Rings and Algebras, Differential Geometry, Geometry, Global Analysis, Analysis on Manifolds, Natural Sciences

Academic Titles / Tasks

- I. Professor, Akdeniz University, Faculty of Science, Department of Mathematics, 2017 - Continues
- II. Associate Professor, Akdeniz University, Faculty of Science, Matematik, 2011 - 2016
- III. Assistant Professor, Akdeniz University, Faculty of Science, Matematik, 2009 - 2011
- IV. Research Assistant, Akdeniz University, Institute of Science, Matematik, 2000 - 2007
- V. Research Assistant, Akdeniz University, Institute of Science, 1999 - 2001

Academic and Administrative Experience

- I. Vice Dean, Akdeniz University, Faculty Of Science, 2013 - 2022

II. Akdeniz University, Faculty of Science, Matematik, 2009 - 2013

Courses

- I. Analitik Geometri 2, Undergraduate, 2013 - 2014
- II. Analitik Geometri 1, Undergraduate, 2013 - 2014
- III. Matematik 1, Undergraduate, 2013 - 2014
- IV. İzdüşümsel Geometri, Undergraduate, 2013 - 2014
- V. Lorentz Geometri, Postgraduate, 2013 - 2014
- VI. Projektif Geometri 2, Postgraduate, 2013 - 2014
- VII. Belitsel Geometri, Undergraduate, 2013 - 2014
- VIII. Projektif Geometri 1, Postgraduate, 2013 - 2014
- IX. Öklidiyen ve Öklidiyen Olmayan Geometrilere, Doctorate, 2012 - 2013
- X. Lineer Cebir ve Vektör Analiz, Undergraduate, 2012 - 2013
- XI. Matematik 2, Undergraduate, 2012 - 2013
- XII. Diferansiyel Geometri 2, Undergraduate, 2012 - 2013
- XIII. Diferansiyel Geometri 1, Undergraduate, 2011 - 2012
- XIV. Hareket Geometrisi ve Kuaterniyonlar Teorisi, Doctorate, 2011 - 2012
- XV. Biyologlar İçin Matematik, Undergraduate, 2011 - 2012
- XVI. Rieman Geometri, Postgraduate, 2011 - 2012

Advising Theses

- I. Özdemir M., Genelleştirilmiş oskülör ve rektifiyan eğri çiftleri, Doctorate, O.ÇELİK(Student), 2022
- II. Özdemir M., Eliptik iç çarpım uzaylarında geometri, Postgraduate, M.EROL(Student), 2022
- III. Özdemir M., 2×2 türünden matrislerin karekökünün hesaplama yöntemleri, Postgraduate, İ.AKGÜL(Student), 2020
- IV. Özdemir M., Householder dönüşümü ve bazı geometrik uygulamaları, Postgraduate, D.SOYLU(Student), 2019
- V. Özdemir M., Reel, karmaşık ve hiperbolik düzlemde afin dönüşümler ve uygulamaları, Postgraduate, İ.ÖZTÜRK(Student), 2019
- VI. Özdemir M., Hiperbolik sayılar ve hiperbolik sayı matrislerinin cebirsel ve geometrik uygulamaları, Postgraduate, H.ÇAKIR(Student), 2017
- VII. ÖZDEMİR M., Sonlu boyutlu Minkowski Uzaylarında Fokal Eğriler ve Fokal Yüzeyler, Doctorate, H.Şimşek(Student), 2016
- VIII. ÖZDEMİR M., Split Kuaterniyon Matrisleri, Doctorate, M.Erdoğan(Student), 2015
- IX. ÖZDEMİR M., Lorentz uzayında dönme matrislerinin üretilmesi, Postgraduate, O.Palancı(Student), 2011

Jury Memberships

- I. Competition, Ulusal Antalya Matematik Olimpiyatı, Akdeniz Üniversitesi, May, 2014
- II. Doctorate, Abide Tuna Doktora Tez Savunma Jürisi , SDÜ, May, 2013
- III. Post Graduate, Ayşe Yılmaz Y.Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi, May, 2010
- IV. Post Graduate, Tuna Bayraktar Y.Lisans Tez Savunma Jürisi, Akdeniz Üniversitesi, May, 2010
- V. Competition, TÜBİTAK Orta Öğretim Proje Yarışması, TÜBİTAK, April, 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Elliptical rotations with hybrid numbers**
Öztürk İ., ÖZDEMİR M.
Indian Journal of Pure and Applied Mathematics, vol.55, no.1, pp.23-39, 2024 (SCI-Expanded)
- II. **On Elliptical Motions on a General Ellipsoid**
ÇOLAKOĞLU H. B., ÖZDEMİR M.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.20, no.3, 2023 (SCI-Expanded)
- III. **Non-parabolic conical rotations**
Çolakoğlu H. B., Öztürk İ., Özdemir M.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.420, 2023 (SCI-Expanded)
- IV. **On geometric interpretations of split quaternions**
Öztürk İ., ÖZDEMİR M.
Mathematical Methods in the Applied Sciences, vol.46, no.1, pp.408-422, 2023 (SCI-Expanded)
- V. **Hybrid number matrices**
ÇAKIR H., ÖZDEMİR M.
Filomat, vol.37, no.27, pp.9215-9227, 2023 (SCI-Expanded)
- VI. **Generalized elliptical quaternions with some applications**
ÇOLAKOĞLU H. B., ÖZDEMİR M.
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.1, pp.351-371, 2023 (SCI-Expanded)
- VII. **Similarity of hybrid numbers**
Ozturk I., ÖZDEMİR M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.15, pp.8867-8881, 2020 (SCI-Expanded)
- VIII. **Real matrix representations of complex split quaternions with applications**
Erdogdu M., ÖZDEMİR M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.12, pp.7227-7238, 2020 (SCI-Expanded)
- IX. **Finding n-th Roots of a 2 x 2 Real Matrix Using De Moivre's Formula**
ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.29, no.1, 2019 (SCI-Expanded)
- X. **Introduction to Hybrid Numbers**
ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.28, no.1, 2018 (SCI-Expanded)
- XI. **On exponential of split quaternionic matrices**
Erdogdu M., ÖZDEMİR M.
APPLIED MATHEMATICS AND COMPUTATION, vol.315, pp.468-476, 2017 (SCI-Expanded)
- XII. **Rotations on a Lightcone in Minkowski 3-Space**
Simsek H., ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.3, pp.2841-2853, 2017 (SCI-Expanded)
- XIII. **On Conformal Curves in 2-Dimensional de Sitter Space**
Şimşek H., ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.757-770, 2016 (SCI-Expanded)
- XIV. **Generating hyperbolic rotation matrix for a given hyperboloid**
Şimşek H., ÖZDEMİR M.
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.496, pp.221-245, 2016 (SCI-Expanded)
- XV. **An Alternative Approach to Elliptical Motion**
ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.1, pp.279-304, 2016 (SCI-Expanded)
- XVI. **Backlund's Theorem for n Dimensional Lorentzian Submanifold in the Minkowski Space $E^{-1}(2n-1)$**
Şimşek H., ÖZDEMİR M.
RESULTS IN MATHEMATICS, vol.69, no.1-2, pp.201-223, 2016 (SCI-Expanded)
- XVII. **Matrices over Hyperbolic Split Quaternions**
Erdogdu M., ÖZDEMİR M.
FILOMAT, vol.30, no.4, pp.913-920, 2016 (SCI-Expanded)

- XVIII. **Split Quaternion Matrix Representation of Dual Split Quaternions and Their Matrices**
Erdogdu M., ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.25, no.4, pp.787-798, 2015 (SCI-Expanded)
- XIX. **The Sub-Parabolic Lines in the Minkowski 3-Space**
ÖZDEMİR M., Şimşek H.
RESULTS IN MATHEMATICS, vol.67, no.3-4, pp.417-430, 2015 (SCI-Expanded)
- XX. **Cayley formula in Minkowski space-time**
Erdogdu M., ÖZDEMİR M.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.12, no.5, 2015 (SCI-Expanded)
- XXI. **Two-sided linear split quaternionic equations with n unknowns**
Erdogdu M., ÖZDEMİR M.
LINEAR & MULTILINEAR ALGEBRA, vol.63, no.1, pp.97-106, 2015 (SCI-Expanded)
- XXII. **SIMILAR AND SELF-SIMILAR CURVES IN MINKOWSKI n-SPACE**
ÖZDEMİR M., Şimşek H.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.52, no.6, pp.2071-2093, 2015 (SCI-Expanded)
- XXIII. **Backlund transformation for spacelike curves in the Minkowski space-time**
ÖZDEMİR M., Erdogdu M., Şimşek H., ERGİN A. A.
KUWAIT JOURNAL OF SCIENCE, vol.41, no.3, pp.63-80, 2014 (SCI-Expanded)
- XXIV. **ON THE ROTATION MATRIX IN MINKOWSKI SPACE-TIME**
ÖZDEMİR M., Erdogdu M.
REPORTS ON MATHEMATICAL PHYSICS, vol.74, no.1, pp.27-38, 2014 (SCI-Expanded)
- XXV. **Geometry of Hasimoto Surfaces in Minkowski 3-Space**
Erdogdu M., ÖZDEMİR M.
MATHEMATICAL PHYSICS ANALYSIS AND GEOMETRY, vol.17, no.1-2, pp.169-181, 2014 (SCI-Expanded)
- XXVI. **On the Eigenvalues and Eigenvectors of a Lorentzian Rotation Matrix by Using Split Quaternions**
ÖZDEMİR M., Erdogdu M., Şimşek H.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.24, no.1, pp.179-192, 2014 (SCI-Expanded)
- XXVII. **On Complex Split Quaternion Matrices**
Erdogdu M., ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.23, no.3, pp.625-638, 2013 (SCI-Expanded)
- XXVIII. **On Eigenvalues of Split Quaternion Matrices**
Erdogdu M., ÖZDEMİR M.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.23, no.3, pp.615-623, 2013 (SCI-Expanded)
- XXIX. **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)
- XXX. **The roots of a split quaternion**
Oezdemir M.
APPLIED MATHEMATICS LETTERS, vol.22, no.2, pp.258-263, 2009 (SCI-Expanded)
- XXXI. **Rotations with unit timelike quaternions in Minkowski 3-space**
Ozdemir M., Ergin A. A.
JOURNAL OF GEOMETRY AND PHYSICS, vol.56, no.2, pp.322-336, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Affine transformations of hyperbolic number plane**
Öztürk İ., ÖZDEMİR M.
Boletin de la Sociedad Matematica Mexicana, vol.28, no.3, 2022 (ESCI)
- II. **A New Generalization of Some Curve Pairs**

Çelik O., ÖZDEMİR M.

International Electronic Journal of Geometry, vol.15, no.2, pp.215-225, 2022 (Scopus)

- III. **Simple, Double and Isoclinic Rotations with a Viable Algorithm**
Erdoğan M., ÖZDEMİR M.
Mathematical Sciences and Applications E-Notes, 2020 (Peer-Reviewed Journal)
- IV. **Some Results on p-Shape Curvatures of Non-Lightlike Space Curves**
Simsek H., ÖZDEMİR M.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.61-70, 2018 (ESCI)
- V. **On Bäcklund Transformation Between Timelike Curves in Minkowski Space-Time**
ÖZDEMİR M.
Sakarya University Journal of Science, vol.22, no.2, pp.1143-1150, 2018 (Peer-Reviewed Journal)
- VI. **SHAPE CURVATURES OF THE LORENTZIAN PLANE CURVES**
Simsek H., ÖZDEMİR M.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.2, pp.276-288, 2017 (ESCI)
- VII. **21. Ulusal Antalya Matematik Olimpiyatları Soruları ve Çözümleri**
ALİYEV İ., ÖZDEMİR M.
Matematik Dünyası, no.104, pp.94-101, 2016 (Peer-Reviewed Journal)
- VIII. **On focal surfaces formed by timelike normal rectilinear congruence**
ÖZDEMİR M., Şimşek H.
COMMUNICATIONS SERIES A1: MATHEMATICS AND STATISTICS, vol.65, no.2, pp.55-64, 2016 (Peer-Reviewed Journal)
- IX. **ON FOCAL SURFACES FORMED BY TIMELIKE NORMAL RECTILINEAR CONGRUENCE**
Şimşek H., ÖZDEMİR M.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.65, no.2, pp.55-64, 2016 (ESCI)
- X. **De-Moivre's and Euler Formulas for Matrices of Split Quaternions**
ÖZDEMİR M., Erdoğan M.
CLIFFORD ANALYSIS, CLIFFORD ALGEBRAS AND THEIR APPLICATIONS, vol.4, pp.223-233, 2015 (Peer-Reviewed Journal)
- XI. **On reflections and rotations in Minkowski 3-space**
ÖZDEMİR M., Erdoğan M.
Journal of Geometry Symmetry in Physics, vol.39, pp.1-16, 2015 (Peer-Reviewed Journal)
- XII. **Timelike quaternion frame of a non-lightlike curve**
ÖZDEMİR M., ERGİN A. A.
Beitrage zur Algebra und Geometrie, vol.49, no.2, pp.325-333, 2008 (Scopus)
- XIII. **PARALLEL FRAMES OF NON-LIGHTLIKE CURVES**
ÖZDEMİR M., ERGİN A. A.
MISSOURI JOURNAL OF MATHEMATICAL SCIENCES, vol.20, no.2, pp.127-137, 2008 (ESCI)
- XIV. **Timelike Quaternion Frames of non-lightlike curves,**
ÖZDEMİR M., ERGİN A. A.
Beiträge zur Algebra und Geometrie / Contributions to Algebra and Geometry, vol.49, pp.325-333, 2008 (Scopus)
- XV. **Parallel frames of non-lightlike curves**
ÖZDEMİR M., ERGİN A. A.
Missouri Journal of Mathematical Sciences, vol.20, pp.127-137, 2008 (Scopus)
- XVI. **Spacelike Darboux curves in Minkowski 3-space**
ÖZDEMİR M., ERGİN A. A.
Differential Geometry - Dynamical Systems, vol.9, pp.131-137, 2007 (Peer-Reviewed Journal)
- XVII. **Some Geometric Applications of split Quaternions**
ÖZDEMİR M., ERGİN A. A.

- proc. 16th Int. conf. jongjeon Math.Soc., vol.16, 2005 (Peer-Reviewed Journal)
- XVIII. **On the focal curvatures of non-lightlike curves in Minkowski (m+1)-space**
ÖZDEMİR M.
F. Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.16, no.3, pp.401-409, 2004 (Peer-Reviewed Journal)
- XIX. **Nonlightlike darboux curves in Minkowski n-space**
ÖZDEMİR M., ERGİN A. A.
Hadronic Journal Supp., vol.19, no.3, pp.343-351, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Kuaterniyonlar ve Geometri**
ÖZDEMİR M.
Altın Nokta Yayınevi, İzmir, 2020
- II. **MÜHENDİSLİK FAKÜLTELERİ İÇİN LİNEER CEBİR VE ÇÖZÜMLÜ PROBLEMLER**
ÖZDEMİR M.
Altın Nokta Basım, İzmir, 2016
- III. **ANALİTİK GEOMETRİ**
ÖZDEMİR M.
Altın Nokta Basım, İzmir, 2015
- IV. **Ulusal Antalya Matematik Olimpiyatları 1. Aşama Son 20 Yılın Soruları Ve Çözümleri**
ALİYEV İ., ÖZDEMİR M.
Altın Nokta Basım, İzmir, 2015
- V. **Matematik Olimpiyatlarına Hazırlık 2 Mustafa Özdemir**
ÖZDEMİR M.
Altın Nokta, Ankara, 2013
- VI. **DAHİMATİK**
ÖZDEMİR M.
Altın Nokta, Antalya, 2013
- VII. **Matematik Olimpiyatlarına Hazırlık 5**
ÖZDEMİR M.
Altın Nokta, Ankara, 2013
- VIII. **Matematik Olimpiyatlarına Hazırlık 4**
ÖZDEMİR M.
Altın Nokta, Ankara, 2013
- IX. **Matematik Olimpiyatlarına Hazırlık 3**
ÖZDEMİR M.
Altın Nokta, Ankara, 2013
- X. **Akdeniz Üniversitesi Ulusal Antalya Matematik Olimpiyatları**
ALİYEV İ., ÖZDEMİR M., Şihaliyeva D.
Altın Nokta Yayınevi, İzmir, 2010
- XI. **Matematik Olimpiyatlarına Hazırlık 1 (Temel Bilgiler) 5. Basım**
ÖZDEMİR M.
Altın Nokta, Ankara, 2010
- XII. **Ulusal Antalya Matematik Olimpiyatları**
ALİYEV İ., ÖZDEMİR M., Şihaliyeva D.
TÜBİTAK Yayınları, Ankara, 2006

- I. **Elliptical Motion on a Given Ellipsoid**
ÖZDEMİR M.
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapest, Hungary, 15 - 18 August 2017
- II. **On the generalised Hyperbolical Rotation Matrices**
ÖZDEMİR M., ŞİMŞEK H.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, İstanbul, Turkey, 3 - 07 July 2017
- III. **Elliptic Quaternions and Rotations**
ÖZDEMİR M.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.126
- IV. **Getting an Hyperbolical Rotation Matrix by Using Householder's Method in 3-Dimensional Space**
Şimşek H., ÖZDEMİR M.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.58
- V. **Exponential of Split Quaternion Matrices**
ÖZDEMİR M., Erdoğan M.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.64
- VI. **Hasimoto Surfaces in Minkowski 3-Space with Parallel Frame**
Erdoğan M., ÖZDEMİR M.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.60
- VII. **Rodrigues and Cayley Formulas for Hyperbolical Rotation in 3 dimensional Space**
Şimşek H., ÖZDEMİR M.
International Conference on Advances in natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.56
- VIII. **On Simple Rotations in Euclidean Four Space**
ÖZDEMİR M., Erdoğan M.
International Conference on Advances in natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.57
- IX. **Generating Double Rotations in Euclidean Four Space with Applications**
Erdoğan M., ÖZDEMİR M.
International Conference on Advances in natural and Applied Sciences, Antalya, Turkey, 21 - 23 April 2016, pp.55
- X. **On Conformal Curves in 2-Dimensional de Sitter Space**
Şimşek H., ÖZDEMİR M.
3. Ulusal Matematik Sempozyumu, Antalya, Turkey, 7 - 09 September 2015, pp.123
- XI. **De- Moivre's and Euler Formulas for Matrices of Split Quaternions**
Erdoğan M., ÖZDEMİR M.
23. Ulusal Matematik Sempozyumu, Antalya, Turkey, 7 - 09 September 2015, pp.125
- XII. **On Reflections and Cartan-Dieudonné Theorem in Minkowski 3-space**
ÖZDEMİR M., Erdoğan M.
4TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Atina, Greece, 31 August - 03 September 2015, pp.300
- XIII. **The Geometric Invariants of Null Cartan Curves Under Similarity Transformations**
Şimşek H., ÖZDEMİR M.
13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015, pp.144
- XIV. **Generating Rotation Matrices in Minkowski Space-time**
Erdoğan M., ÖZDEMİR M.
13. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015, pp.92
- XV. **The Similarity Invariants of Non-lightlike Curves in the Minkowski 3-space**
Şimşek H., ÖZDEMİR M.
The 28th International Conference of The Jangjeon Mathematical Society, Antalya, Turkey, 15 - 19 May 2015, pp.84
- XVI. **Matrices Over Hyperbolic Split Quaternions**
Erdoğan M., ÖZDEMİR M.

The 28th International Conference of The Jangeon Mathematical Society, Antalya, Turkey, 15 - 19 May 2015, pp.85

- XVII. **On Backlund Transformation for Timelike Curves in Minkowski Space-Time**
ERGİN A. A., Erdoğan M., ÖZDEMİR M.
XII. GEOM. SEMP., Bilecik, Turkey, 23 - 26 June 2014, pp.127
- XVIII. **On Backlund Transformation for Timelike Curves in Minkowski Space-Time**
ERGİN A. A., Erdoğan M., ÖZDEMİR M.
XII. GEOM. SEMP., Bilecik, Turkey, 23 - 26 June 2014, pp.127
- XIX. **Bäcklund Transformation for Spacelike Curves in E_1^4**
ÖZDEMİR M., Erdoğan M., ERGİN A. A.
2ND INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.432
- XX. **On Matrix Representations of Split Quaternions and Complex Split Quaternions**
Erdoğan M., ÖZDEMİR M., Erdoğan M.
2ND INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.266
- XXI. **Bäcklund Transformation for Spacelike Curves in E_1^4**
ÖZDEMİR M., Erdoğan M., ERGİN A. A.
2ND INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.432
- XXII. **On the Eigenvalues and Eigenvectors of a Lorentzian Rotation Matrix which is Generated by 272 a Timelike Quaternion**
ÖZDEMİR M., Erdoğan M.
2ND INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.272
- XXIII. **On Linear Split Quaternionic Equations**
Erdoğan M., ÖZDEMİR M.
The 4th International Conference on Matrix Analysis and Applications, Konya, Turkey, 2 - 05 July 2013, pp.11
- XXIV. **Complex Split Quaternion Matrices**
Erdoğan M., ÖZDEMİR M.
10. Geometri Sempozyumu, Balıkesir, Turkey, 13 - 16 June 2012, pp.40
- XXV. **Minkowski Uzay Zamanında Yarı Ters Simetrik bir Reel Matris için Rodrigues Formülüne Benzer Bir Formül**
ÖZDEMİR M., ERGİN A. A., Yılmaz A., Palancı O.
VIII. Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010, pp.134-135
- XXVI. **Üç Boyutlu Minkowski Uzayında Bir Dönme Matrisinin Dönme Ekseninin Bulunması Üzerine**
ÖZDEMİR M., ERGİN A. A., Palancı O., Bolat A.
VIII. Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010, pp.132-133
- XXVII. **Üç Boyutlu Minkowski Uzayında Bir Dönme Matrisinin Dönme Ekseninin Bulunması Üzerine**
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VIII. Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010, pp.132-133
- XXVIII. **Minkowski Uzay Zamanında Yarı Ters Simetrik bir Reel Matris için Rodrigues Formülüne Benzer Bir Formül**
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