

Prof. YUSUF YAYLI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: EHD-4688-2022

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1986 - 1989

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1979 - 1983

Dissertations

Doctorate, Hamilton hareketleri ve lie grupları, Gazi University, Kore Dili ve Edebiyatı Anabilim Dalı, Matematik (Dr), 1988

Postgraduate, Cayley formülü üzerine kinematik uygulama, Gazi University, Kore Dili ve Edebiyatı Anabilim Dalı, Matematik (YI) (Tezli), 1985

Research Areas

Life Sciences, Geometry

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2001 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 1995 - 2001

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 1990 - 1995

Academic and Administrative Experience

Ankara University, 2010 - Continues

Courses

81536YARI RIEMANN GEOMETRİSİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

M207ANALİTİK GEOMETRİ I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
M485KİNEMATİK, Undergraduate, 2013 - 2014
M208ANALİTİK GEOMETRİ II, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
M486KİNEMATİK, Undergraduate, 2013 - 2014, 2012 - 2013
M473DÖNÜŞÜMLER VE GEOMETRİLER, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
815585İLERİ PROJektİF GEOMETRİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
M358DİFERENSİYEL GEOMETRİ, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
81535YARI RIEMANN GEOMETRİSİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
815586İLERİ PROJektİF GEOMETRİ, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
M474DÖNÜŞÜMLER VE GEOMETRİLER, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
M357DİFERENSİYEL GEOMETRİ, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Advising Theses

YAYLI Y., Weierstrass representations of minimal surfaces and the Björling problem, Doctorate, S.KAYA(Student), 2021
YAYLI Y., The geometric applications of frame motions on curves, Doctorate, Ö.KESKİN(Student), 2020
YAYLI Y., Geometric applications of Salkowski curves, Postgraduate, A.Genç(Student), 2020
YAYLI Y., Geometric applications of Salkowski curves, Postgraduate, A.GENÇ(Student), 2020
YAYLI Y., Darboux indicatrices of surface curves on the Minkowski space, Postgraduate, G.YAŞAR(Student), 2019
YAYLI Y., Alt manifoldlarda minimal yüzeyler, Doctorate, Ç.RAMİS(Student), 2019
YAYLI Y., The geometry of rectifying developable surface, Postgraduate, Y.SALUR(Student), 2019
YAYLI Y., Geometry of singular points of spherical curves, Postgraduate, B.ÇİÇEKDAL(Student), 2018
YAYLI Y., W-eğrilerinin geometrik uygulamaları, Doctorate, E.ÖZTÜRK(Student), 2017
YAYLI Y., Regle yüzeylerin karakterizasyonları, Postgraduate, M.AKSAR(Student), 2017
YAYLI Y., Kuaterniyonların diferensiyel geometrisi, Doctorate, S.ASLAN(Student), 2017
YAYLI Y., Rektifiyan eğriler ve geometrik uygulamaları, Doctorate, B.YILMAZ(Student), 2016
YAYLI Y., Dual fraktallar ve uygulamaları, Doctorate, E.AYBİKE(Student), 2016
YAYLI Y., Euler-Rodrigues formula and its geometric applications, Postgraduate, D.KAHVECİ(Student), 2016
YAYLI Y., Geometry of eye movements, Postgraduate, A.ÇAY(Student), 2016
YAYLI Y., Afin diferensiyel geometride eğriler teorisi, Postgraduate, G.CANSU(Student), 2015
YAYLI Y., Kuaterniyonların involüsyonları ve anti_involüsyonları, Doctorate, M.BEKAR(Student), 2014
YAYLI Y., Lorentz-minkowski uzaylarında yüzeylerin arakesit eğrilerinin diferensiyel geometrisi, Doctorate, Z.ŞANLI(Student), 2014
YAYLI Y., Öklidiyen ve yarı öklidiyen uzaylarda homotetik hareketler ve yüzeyler, Doctorate, F.KAHRAMAN(Student), 2014
YAYLI Y., Benzer eğriler ve benzer yüzeylerin geometrisi, Postgraduate, S.KAYA(Student), 2014
YAYLI Y., Altın manifoldlar ve alt manifoldlarının geometrisi, Doctorate, E.HATİCE(Student), 2014
YAYLI Y., Ph eğrileri ve uygulamaları, Postgraduate, Ç.RAMİS(Student), 2014
YAYLI Y., Dual uzaylarda dual dönüşümler ve geometrik uygulamaları, Doctorate, G.YÜCA(Student), 2014

YAYLI Y., Lorentz uzayında hareketler ve sabit eğrilikli yüzeyler, Doctorate, E.DEMİR(Student), 2014

YAYLI Y., Kuaterniyonlar ve interpolasyonlar, Doctorate, R.GHADAMI(Student), 2013

YAYLI Y., Öklid uzaylarının r-helis alt manifoldları üzerine, Doctorate, E.ZIPLAR(Student), 2013

YAYLI Y., Sabit eğimli yüzeyler ve uygulamaları, Doctorate, M.BABAARSLAN(Student), 2013

YAYLI Y., Spiral vektör alanları ve uygulamaları, Doctorate, E.BETÜL(Student), 2012

YAYLI Y., Genelleştirilmiş kanal yüzeyleri, Doctorate, F.DOĞAN(Student), 2012

YAYLI Y., The generalized Hamilton operators and Lie groups, Doctorate, M.JAFARİ(Student), 2012

YAYLI Y., Hareket geometrisinde sabit ivmeli eğriler, Doctorate, N.ABAZARİ(Student), 2012

YAYLI Y., Fermi-Walker türevi ve geometrik uygulamaları, Doctorate, F.KARAKUŞ(Student), 2012

YAYLI Y., Frenet hareketleri ve yüzeyler, Doctorate, N.MASROURİ(Student), 2012

YAYLI Y., Küresel konikler ve uygulamaları, Doctorate, B.ALTUNKAYA(Student), 2012

YAYLI Y., Genelleştirilmiş Hamilton operatörleri ve Lie grupları, M.JAFARİ(Student), 2012

YAYLI Y., Dual dönüşümler ve geometrik uygulamaları, Postgraduate, G.BİÇER(Student), 2011

YAYLI Y., Lorentz uzayında umbilik yüzeyler, Postgraduate, E.DEMİR(Student), 2010

YAYLI Y., Tensör çarpım yüzeyleri ve Lie grupları, Doctorate, S.ÖZKALDI(Student), 2010

YAYLI Y., 3-boyutlu Minkowski uzayında light-like üreteç eğrili time-like helisoidal ve dönel yüzeyler, Doctorate, E.GÜLER(Student), 2010

YAYLI Y., Minkowski uzayında sabit ortalama eğrilikli dönel yüzeyler, Postgraduate, F.KAHRAMAN(Student), 2010

YAYLI Y., Uzayda helis eğrilerinin üretilmesi, Postgraduate, R.GHADAMİ(Student), 2010

YAYLI Y., Altın diferensiyel geometri, Postgraduate, E.HATİCE(Student), 2010

YAYLI Y., Lie grupları üzerinde invariant metrikler, Postgraduate, F.DOĞAN(Student), 2009

YAYLI Y., Galile uzaylarında hareketlerin geometrisi, Doctorate, E.ESİN(Student), 2009

YAYLI Y., Homotetik hareketler ve uygulamaları, Postgraduate, E.BETÜL(Student), 2009

YAYLI Y., Uzay formlarında genel helisler, Doctorate, A.ŞENOL(Student), 2008

YAYLI Y., Lorentz uzay hareketleri ve lie grupları, Postgraduate, Ö.HAKAN(Student), 2007

YAYLI Y., Lorenz uzayında cebirsel metotlarla kinematik, Doctorate, Z.ÜNAL(Student), 2007

YAYLI Y., Lineer vektör alanları ve geometrik uygulamaları, Postgraduate, T.YAYLACI(Student), 2006

YAYLI Y., Genelleştirilmiş kuaterniyonlar ve uygulamaları, Postgraduate, O.ÖLMEZ(Student), 2006

YAYLI Y., Özel eğriler ve regle yüzeyler, Postgraduate, İ.ÖNCÜ(Student), 2005

YAYLI Y., Öteleme yüzeyleri üzerine, Postgraduate, Ö.AKSOY(Student), 2005

YAYLI Y., İki parametrelili hareketlerin kinematik uygulamaları, Doctorate, M.KEMAL(Student), 2004

YAYLI Y., Lorentz uzayında Cayley formülü ve uygulamaları, Doctorate, B.BÜKCÜ(Student), 2003

YAYLI Y., Hareket Lie grupları üzerinde metrikler, Postgraduate, V.KIVANÇ(Student), 2003

YAYLI Y., Bölünmüş kuaterniyonlar ve geometrik uygulamaları, Doctorate, L.KULA(Student), 2003

YAYLI Y., Semi oklidiyen uzayda hareketlerin geometrisi, Postgraduate, L.KULA(Student), 1998

YAYLI Y., Hiperbolik kompleks sayılar ve geometrik uygulamaları, Postgraduate, M.ADIVAR(Student), 1998

YAYLI Y., Küresel hareketler, Postgraduate, E.UÇAR(Student), 1997

YAYLI Y., Riemann manifoldu, Postgraduate, Ş.ZARARSIZ(Student), 1996

YAYLI Y., Kuaterniyonlar, oktanyonlar ve uygulamaları, Postgraduate, B.BÜKCÜ(Student), 1994

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **REPRESENTATION OF GENERALIZED CIRCULAR SURFACES AS RIGID BODY MOTIONS**
Aslan S., BEKAR M., YAYLI Y.
Miskolc Mathematical Notes, vol.25, no.1, pp.79-91, 2024 (SCI-Expanded)
- II. **On the dual quaternion geometry of screw motions**
ERİŞİR T., Mumcu G., Klzlltuğ S., YAYLI Y.
Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica, vol.31, no.3, pp.125-143, 2023 (SCI-Expanded)
- III. **Geometric 3-space and multiplicative quaternions**

Aslan S., BEKAR M., YAYLI Y.

INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.9, 2023 (SCI-Expanded)

- IV. **Spherical circles and constant angle surfaces**
Yilmaz B., YAYLI Y.
Revista Mexicana de Fisica, vol.69, no.4, 2023 (SCI-Expanded)
- V. **C*-partner curves with modified adapted frame and their applications**
Kiziltug S., Erisir T., Mumcu G., YAYLI Y.
AIMS MATHEMATICS, vol.8, no.1, pp.1345-1359, 2023 (SCI-Expanded)
- VI. **Curves of stationary acceleration according to alternative frame**
Güven İ. A., ES H., YAYLI Y.
Filomat, vol.37, no.26, pp.8887-8896, 2023 (SCI-Expanded)
- VII. **Hyper-dual matrices and dual transformations**
YÜCA G., YAYLI Y.
JOURNAL OF GEOMETRY AND PHYSICS, vol.175, 2022 (SCI-Expanded)
- VIII. **Ruled surfaces corresponding to hyper-dual curves**
Aslan S., BEKAR M., YAYLI Y.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.1, pp.187-198, 2022 (SCI-Expanded)
- IX. **Birotational hypersurface and the second Laplace-Beltrami operator in the four dimensional Euclidean space E-4**
GÜLER E., YAYLI Y., Hacısalihoglu H. H.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2167-2177, 2022 (SCI-Expanded)
- X. **Geometric kinematics of persistent rigid motions in three-dimensional Minkowski space**
Kahveci D., YAYLI Y.
MECHANISM AND MACHINE THEORY, vol.167, 2022 (SCI-Expanded)
- XI. **Ruled Surfaces in Minkowski 3-space and Split Quaternion Operators**
Aslan S., BEKAR M., YAYLI Y.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.31, no.5, 2021 (SCI-Expanded)
- XII. **Dual transformations and quaternions**
YÜCA G., YAYLI Y.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.44, no.14, pp.10957-10971, 2021 (SCI-Expanded)
- XIII. **On calculation of the pitch and angle of pitch of a closed ruled surface of dimension $(k+1)$ using a rotation minimizing frame in Euclidean space Double-struck capital R_n**
Keskin O., ALTIN A., EKMEKÇİ F. N., YAYLI Y.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.44, no.8, pp.7004-7016, 2021 (SCI-Expanded)
- XIV. **Ruled surfaces constructed by quaternions**
Aslan S., BEKAR M., YAYLI Y.
JOURNAL OF GEOMETRY AND PHYSICS, vol.161, 2021 (SCI-Expanded)
- XV. **Kinematic modeling of Rytov's law and electromagnetic curves in the optical fiber based on elliptical quaternion algebra**
ÖZDEMİR Z., Cansu G., YAYLI Y.
OPTİK, vol.230, 2021 (SCI-Expanded)
- XVI. **NORMAL DIRECTION CURVES AND APPLICATIONS**
KIZILTUĞ S., Onder M., YAYLI Y.
MISKOLC MATHEMATICAL NOTES, vol.22, no.1, pp.363-374, 2021 (SCI-Expanded)
- XVII. **A New Quaternion Valued Frame of Curves with an Application**
Cansu G., YAYLI Y., GÖK İ.
FILOMAT, vol.35, no.1, pp.315-330, 2021 (SCI-Expanded)
- XVIII. **Rotation minimizing frames and quaternionic rectifying curves**
Keskin Ö., YAYLI Y.
Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica, vol.67, no.1, pp.19-29, 2021 (SCI-Expanded)
- XIX. **Hyper-dual split quaternions and rigid body motion**

- Aslan S., BEKAR M., YAYLI Y.
 JOURNAL OF GEOMETRY AND PHYSICS, vol.158, 2020 (SCI-Expanded)
- XX. **A natural Frenet frame for null curves on the lightlike cone in Minkowski space $R^{2,4}$**
 Abazari N., Bohner M., Sager I., Sedaghatdoost A., YAYLI Y.
 JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2020, no.1, 2020 (SCI-Expanded)
- XXI. **Flat Rotational Surfaces with Pointwise 1-Type Gauss Map Via Generalized Quaternions**
 AKSOYAK F. K., YAYLI Y.
 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.90, no.2,
 pp.251-257, 2020 (SCI-Expanded)
- XXII. **Characterizations of dual curves and dual focal curves in dual Lorentzian space $D-1(3)$**
 Gilani S. M., Abazari N., YAYLI Y.
 TURKISH JOURNAL OF MATHEMATICS, vol.44, no.5, pp.1561-1577, 2020 (SCI-Expanded)
- XXIII. **Persistent rigid-body motions on slant helices**
 Kahveci D., YAYLI Y.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.16, no.12, 2019 (SCI-Expanded)
- XXIV. **Involutions in split semi-quaternions**
 BEKAR M., YAYLI Y.
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.12, pp.4491-4505, 2018 (SCI-Expanded)
- XXV. **Eikonal Helices and Harmonic Curvatures in Riemannian Manifolds**
 Ziplar E., YAYLI Y.
 IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.42, no.A2, pp.753-761, 2018
 (SCI-Expanded)
- XXVI. **Dual Transformation Between $S(O)$ over-cap(3) and $S(O)$ over-cap (2,1) and Its Geometric Applications**
 YÜCA G., YAYLI Y.
 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.88, no.2,
 pp.267-273, 2018 (SCI-Expanded)
- XXVII. **The Fermi-Walker Derivative and Non-rotating Frame in Dual Space**
 ŞAHİN T., KARAKUŞ F., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.28, no.1, 2018 (SCI-Expanded)
- XXVIII. **Some variations of dual Euler-Rodrigues formula with an application to point-line geometry**
 Kahveci D., GÖK İ., YAYLI Y.
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, no.2, pp.1029-1039, 2018 (SCI-Expanded)
- XXIX. **A New Aspect of Rectifying Curves and Ruled Surfaces in Galilean 3-Space**
 ÇETİN E. D., GÖK İ., YAYLI Y.
 FILOMAT, vol.32, no.8, pp.2953-2962, 2018 (SCI-Expanded)
- XXX. **A study of the tubular surfaces constructed by the spherical indicatrices in Euclidean 3-space**
 ATEŞ F., Kocakusakli E., GÖK İ., YAYLI Y.
 TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1711-1725, 2018 (SCI-Expanded)
- XXXI. **Some new types of associated curves in Euclidean 3-space**
 Ozdogan S., TUNCER O. O., GÖK İ., YAYLI Y.
 ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.26, no.1, pp.205-221,
 2018 (SCI-Expanded)
- XXXII. **Quaternionic Shape Operator**
 Aslan S., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.4, pp.2921-2931, 2017 (SCI-Expanded)
- XXXIII. **An application of N-Bishop frame to spherical images for direction curves**
 Keskin O., YAYLI Y.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.14, no.11, 2017 (SCI-Expanded)
- XXXIV. **A New Polar Representation for Split and Dual Split Quaternions**
 Atasoy A., ATA E., YAYLI Y., Kemer Y.

- ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.3, pp.2307-2319, 2017 (SCI-Expanded)
- XXXV. **Generalized Fermi-Walker derivative and non-rotating frame**
 UÇAR A., KARAKUŞ F., YAYLI Y.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.14, no.9, 2017 (SCI-Expanded)
- XXXVI. **N-Legendre and N-Slant curves in the unit tangent bundle of surfaces**
 Hathout F., Bekar M., YAYLI Y.
 KUWAIT JOURNAL OF SCIENCE, vol.44, no.3, pp.28-33, 2017 (SCI-Expanded)
- XXXVII. **The Fermi-Walker Derivative in Minkowski Space**
 KARAKUŞ F., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1353-1368, 2017 (SCI-Expanded)
- XXXVIII. **A New Representation of Canal Surfaces with Split Quaternions in Minkowski 3-Space**
 Kocakusakli E., Tuncer O. O., GÖK İ., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.1387-1409, 2017 (SCI-Expanded)
- XXXIX. **Lie Algebra of Unit Tangent Bundle**
 Bekar M., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.27, no.2, pp.965-975, 2017 (SCI-Expanded)
- XL. **Stationary acceleration of Frenet curves**
 Abazari N., Bohner M., Sager I., YAYLI Y.
 JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2017, 2017 (SCI-Expanded)
- XLI. **The relation between parameter curves and lines of curvature on canal surfaces**
 Dogan F., YAYLI Y.
 KUWAIT JOURNAL OF SCIENCE, vol.44, no.1, pp.29-35, 2017 (SCI-Expanded)
- XLII. **On space-like constant slope surfaces and bertrand curves in minkowski 3-space**
 BABAARSLAN M., YAYLI Y.
 Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica, vol.63, no.F2, pp.323-339, 2017 (SCI-Expanded)
- XLIII. **Generalized constant ratio surfaces and quaternions**
 Aslan S., YAYLI Y.
 KUWAIT JOURNAL OF SCIENCE, vol.44, no.1, pp.42-47, 2017 (SCI-Expanded)
- XLIV. **BERTRAND CURVES IN THREE DIMENSIONAL LIE GROUPS**
 Okuyucu O. Z., GÖK İ., YAYLI Y., Ekmekci N.
 MISKOLC MATHEMATICAL NOTES, vol.17, no.2, pp.999-1010, 2017 (SCI-Expanded)
- XLV. **DEVELOPABLE CURVE-SURFACE PAIR AND SPHERICAL REPRESENTATIONS BY BISHOP FRAME**
 Kaya F. E., YAYLI Y.
 APPLIED AND COMPUTATIONAL MATHEMATICS, vol.16, no.3, pp.228-239, 2017 (SCI-Expanded)
- XLVI. **The geometrical and algebraic interpretations of Euler-Rodrigues formula in Minkowski 3-space**
 Kahveci D., YAYLI Y., GÖK İ.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, no.10, 2016 (SCI-Expanded)
- XLVII. **Semi-Euclidean quasi-elliptic planar motion**
 Bekar M., YAYLI Y.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.13, no.7, 2016 (SCI-Expanded)
- XLVIII. **Extended Rectifying Curves in Minkowski 3-Space**
 Yilmaz B., GÖK İ., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.861-872, 2016 (SCI-Expanded)
- XLIX. **The Fermi-Walker Derivative on the Spherical Indicatrix of Spacelike Curve in Minkowski 3-Space**
 KARAKUŞ F., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.625-644, 2016 (SCI-Expanded)
- L. **On the Surface the Fermi-Walker Derivative in Minkowski 3-Space**
 KARAKUŞ F., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.613-624, 2016 (SCI-Expanded)
- LI. **Involutions in Dual Split-Quaternions**
 Bekar M., YAYLI Y.

- ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.2, pp.553-571, 2016 (SCI-Expanded)
- LII. **The Fermi-Walker Derivative on the Spherical Indicatrix of Timelike Curve in Minkowski 3-Space**
KARAKUŞ F., YAYLI Y.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.1, pp.199-215, 2016 (SCI-Expanded)
- LIII. **Canal Surfaces with Quaternions**
Aslan S., YAYLI Y.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.1, pp.31-38, 2016 (SCI-Expanded)
- LIV. **The Fermi-Walker Derivative on the Spherical Indicatrix of a Space Curve**
KARAKUŞ F., YAYLI Y.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.1, pp.183-197, 2016 (SCI-Expanded)
- LV. **A new approach on curves of constant precession**
Uzunoglu B., GÖK İ., YAYLI Y.
APPLIED MATHEMATICS AND COMPUTATION, vol.275, pp.317-323, 2016 (SCI-Expanded)
- LVI. **Differential Equation of the Loxodrome on a Helicoidal Surface**
BABAARSLAN M., YAYLI Y.
JOURNAL OF NAVIGATION, vol.68, no.5, pp.962-970, 2015 (SCI-Expanded)
- LVII. **THE DIFFERENTIAL GEOMETRY OF REGULAR CURVES ON A REGULAR TIME-LIKE SURFACE**
Ozyilmaz E., Yayli Y.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.24, no.3, pp.349-360, 2015 (SCI-Expanded)
- LVIII. **On the quaternionic Mannheim curves of $Aw(k)$ -type in Euclidean space $E-3$**
KIZILTUĞ S., YAYLI Y.
KUWAIT JOURNAL OF SCIENCE, vol.42, no.2, pp.128-140, 2015 (SCI-Expanded)
- LIX. **GENERAL ROTATIONAL SURFACES WITH POINTWISE 1-TYPE GAUSS MAP IN PSEUDO-EUCLIDEAN SPACE $E-2(4)$**
AKSOYAK F. K., YAYLI Y.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.46, no.1, pp.107-118, 2015 (SCI-Expanded)
- LX. **Generalized quaternions and rotation in 3-space $E3$**
jafari m., YAYLI Y.
TWMS Journal of Pure and Applied Mathematics, vol.2, no.6, pp.224-232, 2015 (SCI-Expanded)
- LXI. **GENERALIZED QUATERNIONS AND ROTATION IN 3-SPACE $E-\alpha$ beta(3)**
Jafari M., YAYLI Y.
TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.6, no.2, pp.224-232, 2015 (SCI-Expanded)
- LXII. **The Fermi derivative in the hypersurfaces**
KARAKUŞ F., YAYLI Y.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.12, no.1, 2015 (SCI-Expanded)
- LXIII. **On the quaternionic Mannheim curves of $Aw(k)$ -type in Euclidean space $E3$**
Kiziltuğ S., YAYLI Y.
Kuwait Journal of Science, vol.42, no.2, pp.128-140, 2015 (SCI-Expanded)
- LXIV. **Generalized Bour's theorem**
GÜLER E., YAYLI Y.
KUWAIT JOURNAL OF SCIENCE, vol.42, no.1, pp.79-90, 2015 (SCI-Expanded)
- LXV. **Homothetic Motions and Surfaces in $E-4$**
AKSOYAK F. K., YAYLI Y.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.38, no.1, pp.259-269, 2015 (SCI-Expanded)
- LXVI. **On isophote curves and their characterizations**
Dogan F., YAYLI Y.
TURKISH JOURNAL OF MATHEMATICS, vol.39, no.5, pp.650-664, 2015 (SCI-Expanded)
- LXVII. **Notes on magnetic curves in 3D semi-Riemannian manifolds**
Ozdemir Z., GÖK İ., YAYLI Y., EKMEKÇİ F. N.
TURKISH JOURNAL OF MATHEMATICS, vol.39, no.3, pp.412-426, 2015 (SCI-Expanded)

- LXVIII. **Time-Like Constant Slope Surfaces and Space-Like Bertrand Curves in Minkowski 3-Space**
 BABAARSLAN M., YAYLI Y.
 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.84, no.4,
 pp.535-540, 2014 (SCI-Expanded)
- LXIX. **BOOST INVARIANT SURFACES WITH POINTWISE 1-TYPE GAUSS MAP IN MINKOWSKI 4-SPACE E-1(4)**
 AKSOYAK F. K., YAYLI Y.
 BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.51, no.6, pp.1863-1874, 2014 (SCI-Expanded)
- LXX. **A new approach for magnetic curves in 3D Riemannian manifolds**
 Bozkurt Z., GÖK İ., YAYLI Y., Ekmekci F. N.
 JOURNAL OF MATHEMATICAL PHYSICS, vol.55, no.5, 2014 (SCI-Expanded)
- LXXI. **Space-like loxodromes on rotational surfaces in Minkowski 3-space**
 BABAARSLAN M., YAYLI Y.
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.409, no.1, pp.288-298, 2014 (SCI-Expanded)
- LXXII. **A New Approach on Helices in Pseudo-Riemannian Manifolds**
 Ziplar E., YAYLI Y., GÖK İ.
 ABSTRACT AND APPLIED ANALYSIS, vol.2014, 2014 (SCI-Expanded)
- LXXIII. **Characterization of Spherical Helices in Euclidean 3-Space**
 Ekmekci N., Okuyucu O. Z., YAYLI Y.
 ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.22, no.2, pp.99-108,
 2014 (SCI-Expanded)
- LXXIV. **ON MANNHEIM PARTNER CURVES IN THREE DIMENSIONAL LIE GROUPS**
 GÖK İ., Okuyucu O. Z., Ekmekci N., YAYLI Y.
 MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.467-479, 2014 (SCI-Expanded)
- LXXV. **Spline Split Quaternion Interpolation in Minkowski Space**
 Ghadami R., Rahebi J., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.23, no.4, pp.849-862, 2013 (SCI-Expanded)
- LXXVI. **Dual Split Quaternions and Chasles' Theorem in 3-Dimensional Minkowski Space**
 Ramis C., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.23, no.4, pp.951-964, 2013 (SCI-Expanded)
- LXXVII. **THE FERMI-WALKER DERIVATIVE IN LIE GROUPS**
 Karakus F., YAYLI Y.
 INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.10, no.7, 2013 (SCI-Expanded)
- LXXVIII. **Rotation in four dimensions via generalized Hamilton operators**
 Jafari M., YAYLI Y.
 KUWAIT JOURNAL OF SCIENCE, vol.40, no.1, pp.67-79, 2013 (SCI-Expanded)
- LXXIX. **Involutions of Complexified Quaternions and Split Quaternions**
 Bekar M., YAYLI Y.
 ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.23, no.2, pp.283-299, 2013 (SCI-Expanded)
- LXXX. **A new approach on helices in Euclidean n-space**
 Senol A., Ziplar E., YAYLI Y., GÖK İ.
 MATHEMATICAL COMMUNICATIONS, vol.18, no.1, pp.241-256, 2013 (SCI-Expanded)
- LXXXI. **On the Gaussian and Mean Curvatures of Parallel Hypersurfaces in E**
 yasar yavuz a., EKMEKCI F. N., YAYLI Y.
 Analele Stiintifice Ale Universitatii Ovidius Constanta-Seria Matematica, 2013 (SCI-Expanded)
- LXXXII. **On helices and Bertrand curves in Euclidean 3-space**
 BABAARSLAN M., YAYLI Y.
 Mathematical and Computational Applications, vol.18, no.1, pp.1-11, 2013 (SCI-Expanded)
- LXXXIII. **Matrix representation of dual quaternions**
 Jafari M., MERAL M., YAYLI Y.
 Gazi University Journal of Science, vol.26, no.4, pp.535-542, 2013 (SCI-Expanded)
- LXXXIV. **A novel approach for spherical spline split quaternion interpolation on Lorentzian sphere using**

Bezier curve algorithm

Ghadami R., Rahebi J., YAYLI Y.

Life Science Journal, vol.9, no.4, pp.3394-3397, 2012 (SCI-Expanded)

- LXXXV. **Darboux Helices in Minkowski space R^3**
Şenol A., Ziplar E., YAYLI Y., Ghadami R.
Life Science Journal, vol.9, no.4, pp.5905-5910, 2012 (SCI-Expanded)
- LXXXVI. **A fast method based on DeMoivre for spherical linear interpolation in Minkowski space**
Ghadami R., Rahebi J., YAYLI Y.
Energy Education Science and Technology Part A: Energy Science and Research, vol.30, no.SPEC .ISS.1, pp.549-552, 2012 (SCI-Expanded)
- LXXXVII. **On the Fermi-Walker derivative and non-rotating frame**
Karakuş F., YAYLI Y.
International Journal of Geometric Methods in Modern Physics, vol.9, no.8, 2012 (SCI-Expanded)
- LXXXVIII. **Bicomplex number and tensor product surfaces in R^4**
Karakuş S., YAYLI Y.
Ukrainian Mathematical Journal, vol.64, no.3, pp.344-355, 2012 (SCI-Expanded)
- LXXXIX. **On Developable Ruled Surfaces in Minkowski Space**
YAYLI Y., Saracoglu S.
Advances in Applied Clifford Algebras, vol.22, no.2, pp.499-510, 2012 (SCI-Expanded)
- XC. **Frenet-serret motion and ruled surfaces with constant slope**
YAYLI Y., Ziplar E.
International Journal of Physical Sciences, vol.6, no.29, pp.6727-6734, 2011 (SCI-Expanded)
- XCII. **Mechanical systems on generalized-quaternionic Kähler manifolds**
Tekkoyun M., YAYLI Y.
International Journal of Geometric Methods in Modern Physics, vol.8, no.7, pp.1419-1431, 2011 (SCI-Expanded)
- XCIII. **Homothetic Motions at E^4 with Bicomplex Numbers**
Kabadayi H., YAYLI Y.
Advances in Applied Clifford Algebras, vol.21, no.3, pp.541-546, 2011 (SCI-Expanded)
- XCIV. **De Moivre's formula for dual quaternions**
Kabadayi H., YAYLI Y.
Kuwait Journal of Science and Engineering, vol.38, no.1 A, pp.15-23, 2011 (SCI-Expanded)
- XCV. **The characterizations of constant slope surfaces and Bertrand curves**
BABAARSLAN M., YAYLI Y.
International Journal of Physical Sciences, vol.6, no.8, pp.1868-1875, 2011 (SCI-Expanded)
- XCVI. **On Mannheim partner curves in dual Lorentzian space**
Özkaldi S., Ilarslan K., YAYLI Y.
Hacettepe Journal of Mathematics and Statistics, vol.40, no.5, pp.649-661, 2011 (SCI-Expanded)
- XCVII. **Tangent and trinormal spherical images of a time-like curve on the pseudohyperbolic space H^3**
YILMAZ S., Özyilmaz E., YAYLI Y., Turgut M.
Proceedings of the Estonian Academy of Sciences, vol.59, no.3, pp.216-224, 2010 (SCI-Expanded)
- XCVIII. **Characterizations of slant helices in Euclidean 3-space**
Kula L., Ekmekci N., YAYLI Y., Ilarslan K.
Turkish Journal of Mathematics, vol.34, no.2, pp.261-274, 2010 (SCI-Expanded)
- XCIX. **Bour's theorem on the gauss map in 3-Euclidean space**
Güler E., YAYLI Y., Hacısalıhoğlu H. H.
Hacettepe Journal of Mathematics and Statistics, vol.39, no.4, pp.515-525, 2010 (SCI-Expanded)
- C. **Cyclic surfaces in E^1_5 generated by homothetic motions**
Saglam D., Kabadayi H., YAYLI Y.
Iranian Journal of Science and Technology, Transaction A: Science, vol.34, no.1, pp.19-26, 2010 (SCI-Expanded)
- C. **LC helices in space forms**
Şenol A., YAYLI Y.

- Chaos, Solitons and Fractals, vol.42, no.4, pp.2115-2119, 2009 (SCI-Expanded)
- CI. **Split quaternions and semi-Euclidean projective spaces**
Ata E., Yayli Y.
Chaos, Solitons and Fractals, vol.41, no.4, pp.1910-1915, 2009 (SCI-Expanded)
- CII. **Dual quaternions and dual projective spaces**
Ata E., YAYLI Y.
Chaos, Solitons and Fractals, vol.40, no.3, pp.1255-1263, 2009 (SCI-Expanded)
- CIII. **ON MANNHEIM PARTNER CURVE IN DUAL SPACE**
Ozkaldi S., Ilarslan K., YAYLI Y.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.17, no.2, pp.131-142, 2009 (SCI-Expanded)
- CIV. **On the characterization of spherical curves in 3-dimensional Sasakian spaces**
Camci C., YAYLI Y., Hacısalihoglu H.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.342, no.2, pp.1151-1159, 2008 (SCI-Expanded)
- CV. **On the geodesics of tubular surfaces in Minkowski 3-space**
KARACAN M. K., YAYLI Y.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.31, no.1, pp.1-10, 2008 (SCI-Expanded)
- CVI. **Split quaternions and rotations in semi euclidean space $E-2(4)$**
Kula L., Yayli Y.
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.44, no.6, pp.1313-1327, 2007 (SCI-Expanded)
- CVII. **On slant helix and its spherical indicatrix**
Kula L., Yayli Y.
APPLIED MATHEMATICS AND COMPUTATION, vol.169, no.1, pp.600-607, 2005 (SCI-Expanded)
- CVIII. **Special two parameter motion**
Karacan M. K., YAYLI Y.
Mathematical and Computational Applications, vol.10, no.1, pp.27-34, 2005 (SCI-Expanded)
- CIX. **Formulas for the exponential of a semi skew-symmetric matrix of order 4**
Kula L., Karacan M. K., YAYLI Y.
Mathematical and Computational Applications, vol.10, no.1, pp.99-104, 2005 (SCI-Expanded)
- CX. **Hamilton operators and homothetic motions in $R-3$**
Yayli Y., Yaz N., Karacan M.
APPLIED MATHEMATICS AND MECHANICS-ENGLISH EDITION, vol.25, no.8, pp.898-902, 2004 (SCI-Expanded)
- CXI. **On the motion of the Frenet vectors and spacelike ruled surfaces in the Minkowski 3-space**
YAYLI Y.
Mathematical and Computational Applications, vol.5, no.1, pp.49-55, 2000 (SCI-Expanded)
- CXII. **Unit octonions and some geometrical interpretations**
YAYLI Y.
International Journal of Mathematical Education in Science and Technology, vol.28, no.5, pp.749-783, 1997 (SCI-Expanded)
- CXIII. **HOMOTHETIC-MOTIONS AT $E(8)$ WITH CAYLEY NUMBERS**
YAYLI Y., BUKCU B.
MECHANISM AND MACHINE THEORY, vol.30, no.3, pp.417-420, 1995 (SCI-Expanded)
- CXIV. **HOMOTHETIC-MOTIONS AT $E4$**
YAYLI Y.
MECHANISM AND MACHINE THEORY, vol.27, no.3, pp.303-305, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Elliptic Quaternion and Elliptic linear Interpolation**
Ghadami R., YAYLI Y.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2024 (ESCI)

- II. **New Representation for Slant Curves in Sasakian 3-Manifolds**
Ateş O., GÖK İ., YAYLI Y.
International Electronic Journal of Geometry, vol.17, no.1, pp.277-289, 2024 (ESCI)
- III. **GEOMETRIC APPLICATIONS AND KINEMATICS OF UMBRELLA MATRICES**
Çarboğa M., YAYLI Y.
Korean Journal of Mathematics, vol.31, no.3, pp.295-303, 2023 (ESCI)
- IV. **QUATERNIONS AND HOMOTETIC MOTIONS IN EUCLIDEAN AND LORENTZIAN SPACES**
Yuca G., Yayli Y.
HONAM MATHEMATICAL JOURNAL, vol.45, no.2, pp.198-214, 2023 (ESCI)
- V. **Local Isometry of the Generalized Helicoidal Surfaces Family in 4-space**
Güler E., Yayli Y.
Malaya Journal of Matematik, vol.11, no.02, pp.210-218, 2023 (Peer-Reviewed Journal)
- VI. **Approximations of Parallel Surfaces Along Curves**
Köse B., YAYLI Y.
International Electronic Journal of Geometry, vol.16, no.2, pp.715-726, 2023 (ESCI)
- VII. **ROTATION MINIMIZING SPHERICAL MOTIONS AND HELICES**
Aksar M., YAYLI Y., Kilicoglu S.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.137-148, 2023 (ESCI)
- VIII. **Differential Geometry of 1-type Submanifolds and Submanifolds with 1-type Gauss Map**
Chen B., Güler E., YAYLI Y., Hacısalıhoğlu H. H.
International Electronic Journal of Geometry, vol.16, no.1, pp.4-47, 2023 (Scopus)
- IX. **The Application of Euler-Rodrigues Formula over Hyper-Dual Matrices**
RAMİS Ç., YAYLI Y., Zengin I.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.15, no.2, pp.266-276, 2022 (ESCI)
- X. **BI-ROTATIONAL HYPERSURFACE SATISFYING $\Delta_{III}x = A(x)$ IN 4-SPACE**
GÜLER E., YAYLI Y., Hacısalıhoğlu H. H.
HONAM MATHEMATICAL JOURNAL, vol.44, no.2, pp.219-230, 2022 (ESCI)
- XI. **MOTIONS ON CURVES AND SURFACES USING GEOMETRIC ALGEBRA**
Aslan S., YAYLI Y.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.71, no.1, pp.39-50, 2022 (ESCI)
- XII. **APPLICATIONS OF QUATERNIONS IN GALILEAN SPACES**
YÜCA G., YAYLI Y.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.133-148, 2022 (ESCI)
- XIII. **BI-ROTATIONAL HYPERSURFACE WITH $\nabla_x = \langle i \rangle Ax$ IN 4-SPACE**
GÜLER E., YAYLI Y., HACISALİHOĞLU H. H.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, no.5, pp.917-928, 2022 (ESCI)
- XIV. **DEVELOPABLE SURFACES GENERATED BY USING MOVING FRAME**
BEKAR M., Hathout F., YAYLI Y.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.413-438, 2022 (ESCI)
- XV. **Isophote curves on spacelike surfaces in Lorentz-Minkowski space**
Dogan F., YAYLI Y.
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.14, no.10, 2021 (ESCI)
- XVI. **Obtaining triplet from quaternions**
Atasoy A., YAYLI Y.
International Journal of Optimization and Control: Theories and Applications, vol.11, no.1, pp.109-113, 2021 (ESCI)
- XVII. **Polynomial Parametric Equations of Rectifying Salkowski Curves**
YILMAZ B., GÖK İ., YAYLI Y.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.1, pp.211-219, 2021 (ESCI)
- XVIII. **On slant helices and Mannheim Curves in E^3**

- çay a., YAYLI Y.
Mathematical Sciences and Applications E-Notes, vol.8, no.2, pp.42-47, 2020 (Peer-Reviewed Journal)
- XIX. **Dual Transformations in Galilean Spaces**
YÜCA G., YAYLI Y.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.13, no.2, pp.52-61, 2020 (ESCI)
- XX. **On the parallel surfaces of the non-developable surfaces**
Al C., YAYLI Y.
BULLETIN OF THE KARAGANDA UNIVERSITY-MATHEMATICS, vol.98, no.2, pp.59-68, 2020 (ESCI)
- XXI. **Normal Fermi-Walker Derivative in E^3**
KESKİN Ö., YAYLI Y.
Caspian journal of mathematical sciences, vol.9, no.1, pp.86-99, 2020 (Peer-Reviewed Journal)
- XXII. **RULED SURFACES WITH CONSTANT SLOPE RULING ACCORDING TO DARBOUX FRAME IN MINKOWSKI SPACE**
YAVUZ A., YAYLI Y.
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, vol.18, no.6, pp.900-919, 2020 (ESCI)
- XXIII. **The construction of circular surfaces with quaternions**
Canakci Z., TUNCER O. O., GÖK İ., YAYLI Y.
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.12, no.7, 2019 (ESCI)
- XXIV. **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)
- XXV. **The Fermi-Walker Derivative in Three Dimensional Lie Groups With Left-Invariant Metric**
KARAKUŞ F., YAYLI Y.
Romanian Journal of Mathematics and Computer Science, vol.9, no.1, pp.39-55, 2019 (Peer-Reviewed Journal)
- XXVI. **HARMONIC CURVATURE FUNCTIONS OF SOME SPECIAL CURVES IN GALILEAN 3-SPACE**
YILMAZ B., Metin S., GÖK İ., YAYLI Y.
HONAM MATHEMATICAL JOURNAL, vol.41, no.2, pp.301-319, 2019 (ESCI)
- XXVII. **KILLING MAGNETIC FLUX SURFACES IN EUCLIDEAN 3-SPACE**
ÖZDEMİR Z., GÖK İ., YAYLI Y., Ekmekci F. N.
HONAM MATHEMATICAL JOURNAL, vol.41, no.2, pp.329-342, 2019 (ESCI)
- XXVIII. **Elementary Approaches on De Sitter Space**
Öztürk E., YAYLI Y.
Mathematical Sciences and Applications E-Notes, vol.7, no.2, pp.183-190, 2019 (Peer-Reviewed Journal)
- XXIX. **Characterizations of Inclined Curves According to ParallelTransport Frame in E^4 and Bishop Frame in E^3**
ATEŞ F., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
Konuralp Journal of Mathematics, vol.7, no.1, pp.16-24, 2019 (Peer-Reviewed Journal)
- XXX. **Slant Helix Curves and Acceleration Centers**
BEKAR M., YAYLI Y.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.1, pp.256-271, 2019 (ESCI)
- XXXI. **Slant helices and isothermic surfaces**
RAMİS Ç., YILMAZ B., YAYLI Y.
BEITRAGE ZUR ALGEBRA UND GEOMETRIE-CONTRIBUTIONS TO ALGEBRA AND GEOMETRY, vol.59, no.1, pp.145-154, 2018 (ESCI)
- XXXII. **N-Legendre and N-slant curves in the unit tangent bundle of Minkowski surfaces**
Bekar M., Hathout F., YAYLI Y.
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.11, no.1, 2018 (ESCI)
- XXXIII. **Singular Points of Tubular Surfaces In Minkowski 3 space**
KARACAN M. K., ES H., YAYLI Y.
Sarejevo Journal of mathematics, vol.14, pp.73-82, 2017 (Peer-Reviewed Journal)
- XXXIV. **Homothetic motions and surfaces with constant mean curvature in Lorentz 3-space**

- Çetin E. D., YAYLI Y.
Far East Journal of Mathematical Sciences, vol.102, no.10, pp.2501-2522, 2017 (Scopus)
- XXXV. **Generalized Similar Frenet Curves**
ATEŞ F., KAYA S., YAYLI Y., EKMEKÇİ F. N.
Mathematical Sciences and Applications E-Notes (MSAEN), vol.5, no.2, pp.26-35, 2017 (Peer-Reviewed Journal)
- XXXVI. **Involutions in Quasi-Quaternions**
Bekar M., YAYLI Y.
JOURNAL OF ADVANCED PHYSICS, vol.6, no.3, pp.459-463, 2017 (Peer-Reviewed Journal)
- XXXVII. **On Developable Ruled Surface of the Principal-Direction Curve**
YILMAZ B., RAMİS Ç., YAYLI Y.
Konuralp Journal of Mathematics, vol.5, no.2, pp.172-180, 2017 (Peer-Reviewed Journal)
- XXXVIII. **Slant Helix Curves and Acceleration Centers in Minkowski 3-Space E-1(3)**
Bekar M., YAYLI Y.
JOURNAL OF ADVANCED PHYSICS, vol.6, no.1, pp.133-141, 2017 (Peer-Reviewed Journal)
- XXXIX. **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)
- XL. **Constant angle surfaces and curves in E3**
ÖZKALDI KARAKUŞ S., YAYLI Y.
Int.Electron J. Geom., 2017 (Peer-Reviewed Journal)
- XLI. **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)
- XLII. **W-curves in Lorentz-Minkowski space**
Öztürk E., YAYLI Y.
mathematical sciences and applications e-notes, vol.5, no.2, pp.76-88, 2017 (Peer-Reviewed Journal)
- XLIII. **Darboux Frame of a Curve Lying on a Lightlike Surface**
YAKICI TOPBAŞ E. S., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.4, no.2, pp.121-130, 2016 (Peer-Reviewed Journal)
- XLIV. **FLAT ROTATIONAL SURFACES WITH POINTWISE 1-TYPE GAUSS MAP IN E-4**
AKSOYAK F. K., YAYLI Y.
HONAM MATHEMATICAL JOURNAL, vol.38, no.2, pp.305-316, 2016 (ESCI)
- XLV. **Darboux Frame of a Curve Lying on a Lightlike Surfaces**
YAKICI TOPBAŞ E. S., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
Mathematical Sciences and Applications E-Notes, 2016 (Peer-Reviewed Journal)
- XLVI. **LAPLACE-BELTRAMI OPERATOR OF A HELICOIDAL HYPERSURFACE IN FOUR-SPACE**
GÜLER E., Magid M., YAYLI Y.
JOURNAL OF GEOMETRY AND SYMMETRY IN PHYSICS, vol.41, pp.77-95, 2016 (ESCI)
- XLVII. **WHAT IS THE LOCUS OF THE CENTERS OF MEUSNIER SPHERES IN THE MINKOWSKI 3-SPACE?**
Yilmaz B., Ozdemir Z., GÖK İ., YAYLI Y.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.31, no.3, pp.717-740, 2016 (ESCI)
- XLVIII. **ONE-PARAMETER HOMOTHETIC MOTION IN THE MINKOWSKI 3-SPACE**
Jafari M., YAYLI Y.
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.6, no.1, pp.87-94, 2016 (ESCI)
- XLIX. **INVOLUTIONS IN SEMI-QUATERNIONS**
Bekar M., YAYLI Y.
JOURNAL OF GEOMETRY AND SYMMETRY IN PHYSICS, vol.41, pp.1-16, 2016 (ESCI)
- L. **A New Construction of the Sierpinski Triangles with Galilean Transformations**
Büyükyılmaz E. A., YAYLI Y., GÖK İ.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, 2016 (Peer-Reviewed Journal)
- LI. **The E Study Maps of Circle On Dual Elliptical Unit Sphere ED2**

- Mehdi j, YAYLI Y.
Bitlis Eren University Journal of Science, vol.4, no.1, pp.12-20, 2015 (Peer-Reviewed Journal)
- LII. **A New Approach to Type 3 Slant Helix in E**
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y., GÜVEN K.
General Mathematics Notes, 2015 (Peer-Reviewed Journal)
- LIII. **GENERALIZED QUATERNIONS AND THEIR ALGEBRAIC PROPERTIES**
Jafari M., YAYLI Y.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.64, no.1, pp.15-27, 2015 (ESCI)
- LIV. **Locus of the centers of Meusnier spheres in Euclidean 3 space**
UZUNOĞLU B., YAYLI Y., GÖK İ.
Universal Journal of Mathematics and Mathematical Sciences, vol.7, no.1, 2015 (Peer-Reviewed Journal)
- LV. **A New Approach on Type 3 Slant Helix in E4**
ÖZDEMİR Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
Gen. Math. Notes, 2015 (Peer-Reviewed Journal)
- LVI. **Homotetic motions and Bicomplex numbers**
BABADAĞ F., YAYLI Y., EKMEKÇİ F. N.
Communications, SeriesA1: Math.and statistics, 2014 (Peer-Reviewed Journal)
- LVII. **Parallel transport frame in 4 dimensional Euclidean space E 4**
Fatma G., Bozkurt Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
Caspian J. of Math. Sci., 2014 (Peer-Reviewed Journal)
- LVIII. **Golden quaternionic structures**
ELİF HATİCE Y., YAYLI Y.
Int. Electron. J. Pure Appl. Math., vol.7, no.3, 2014 (Peer-Reviewed Journal)
- LIX. **Curve reconstruction in Lorentz Minkowski 3 space**
DEDE M., YAYLI Y.
Glob. J. Adv. Res. Class. Mod. Geom., vol.3, no.1, 2014 (Peer-Reviewed Journal)
- LX. **On curves of Nk slant helix and Nk constant precession in Minkowski 3 space**
UZUNOĞLU B., RAMİS Ç., YAYLI Y.
J. Dyn. Syst. Geom. Theor., vol.12, no.2, 2014 (Peer-Reviewed Journal)
- LXI. **LC helix on hypersurfaces in minkowski space E1n+1**
Karakuş S. Ö., Şenol A., Ghadami R., YAYLI Y.
International Journal of Pure and Applied Mathematics, vol.86, no.3, pp.471-485, 2013 (Scopus)
- LXII. **On the curves lying on parallel surfaces in the Euclidean 3-space E3**
Kiziltuğ S., Tarakçı Ö., YAYLI Y.
Journal of Advanced Research in Dynamical and Control Systems, vol.5, no.3, pp.26-35, 2013 (Scopus)
- LXIII. **Some algebraic properties of dual generalized quaternions algebra**
Mortazaasl H., Jafari M., Yayli Y.
Far East Journal of Mathematical Sciences, vol.69, no.2, pp.307-318, 2012 (Scopus)
- LXIV. **Ruled surfaces with different Blaschke approach**
YAYLI Y., Saracoglu S.
Applied Mathematical Sciences, vol.6, no.57-60, pp.2945-2955, 2012 (Scopus)
- LXV. **Linear interpolation in minkowski space**
Ghadami R., Rahebi J., YAYLI Y.
International Journal of Pure and Applied Mathematics, vol.77, no.4, pp.469-484, 2012 (Scopus)
- LXVI. **On Darboux Helices in Euclidean 3 Space**
ZIPLAR E., ŞENOL A., YAYLI Y.
Global Journal of Science Frontier Research Mathematics and Decision Sciences, 2012 (Peer-Reviewed Journal)
- LXVII. **A new characterization for inclined curves by the help of spherical representations according to bishop frame**
Ghadami R., YAYLI Y.

- International Journal of Pure and Applied Mathematics, vol.74, no.4, pp.455-463, 2012 (Scopus)
- LXVIII. **Spacelike maximal and timelike minimal surfaces of revolution in Minkowski 3-space**
Kahraman F., YAYLI Y.
Far East Journal of Mathematical Sciences, vol.61, no.2, pp.239-257, 2012 (Scopus)
- LXIX. **On the Bour s theorem with respect to conformal map in Minkowski space E31**
BOZKURT Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
J. Dyn. Syst. Geom. Theor., vol.10, no.2, 2012 (Peer-Reviewed Journal)
- LXX. **Timelike curves on timelike parallel surfaces in Minkowski 3 space E31**
KIZILTUĞ S., YAYLI Y.
Math. Aeterna, vol.2, pp.7-8, 2012 (Peer-Reviewed Journal)
- LXXI. **On r helix hypersurfaces**
ZIPLAR E., ŞENOL A., YAYLI Y.
Int. Math. Forum, vol.7, pp.33-36, 2012 (Peer-Reviewed Journal)
- LXXII. **Point line geometry and equiform kinematics in Minkowski three space**
ÖZTÜRK U., KOÇ ÖZTÜRK E. B., YAYLI Y.
Point-line geometry and equiform kinematics in Minkowski three-space, vol.5, no.2, 2012 (Peer-Reviewed Journal)
- LXXIII. **Some Algebraic Properties of Dual Generalized Quaternions**
HAMDİ M. A., JAFARI M., YAYLI Y.
Far East Journal of Mathematical Science, vol.69, no.2, pp.307-318, 2012 (Peer-Reviewed Journal)
- LXXIV. **The classical elastic curves in a 3-dimensional indefmite-Riemannian manifold**
Abazari N., YAYLI Y.
Journal of Applied Sciences, vol.12, no.12, pp.1303-1307, 2012 (Scopus)
- LXXV. **Helix hypersurfaces and special curves**
ZIPLAR E., ŞENOL A., YAYLI Y.
Int. J. Contemp. Math. Sci., vol.7, pp.25-28, 2012 (Peer-Reviewed Journal)
- LXXVI. **Parametrization of perspective silhouettes on canal surfaces in Minkowski 3 space**
DOĞAN F., YAYLI Y.
J. Math. Comput. Sci, vol.2, no.2, 2012 (Peer-Reviewed Journal)
- LXXVII. **On timelike and spacelike developable ruled surfaces**
SARAÇOĞLU ÇELİK S., YAYLI Y.
J. Math. Comput. Sci., vol.2, no.6, 2012 (Peer-Reviewed Journal)
- LXXVIII. **A note on Bertrand curves and constant slope surfaces according to Darboux frame**
BABAARSLAN M., tandoğan y. a., YAYLI Y.
J. Adv. Math. Stud., vol.5, no.1, 2012 (Peer-Reviewed Journal)
- LXXIX. **Ruled surfaces and dual spherical curves**
YAYLI Y., SARAÇOĞLU ÇELİK S.
Acta Univ. Apulensis Math. Inform., vol.30, pp.337-354, 2012 (Peer-Reviewed Journal)
- LXXX. **Rules surfaces with different Blaschke approach**
YAYLI Y., SARAÇOĞLU ÇELİK S.
Appl. Math. Sci. (Ruse), vol.6, pp.57-60, 2012 (Peer-Reviewed Journal)
- LXXXI. **Dual motions and real spatial motions**
YAYLI Y., SARAÇOĞLU ÇELİK S.
Int. Math. Forum, vol.7, pp.25-28, 2012 (Peer-Reviewed Journal)
- LXXXII. **A New Approach to Constant Slope Surfaces with Quaternions**
BABAARSLAN M., YAYLI Y.
ISRN Geometry, vol.2012, pp.1-8, 2012 (Peer-Reviewed Journal)
- LXXXIII. **On weak r helix submanifolds**
ZIPLAR E., ŞENOL A., YAYLI Y.
J. Dyn. Syst. Geom. Theor., vol.10, no.2, 2012 (Peer-Reviewed Journal)
- LXXXIV. **Spacelike curves on spacelike parallel surfaces in Minkowski 3 space E31**
KIZILTUĞ S., YAYLI Y.

- Int. J. Math. Comput., vol.19, no.2, 2012 (Peer-Reviewed Journal)
- LXXXV. **General helices and Bertrand curves in Riemannian space form**
ŞENOL A., ZIPLAR E., YAYLI Y.
Math. Aeterna, vol.2, pp.1-2, 2012 (Peer-Reviewed Journal)
- LXXXVI. **A conformal approach to Bour s theorem**
Bozkurt Z., GÖK İ., EKMEKÇİ F. N., YAYLI Y.
Mathematica Aeterna, vol.2, pp.7-8, 2012 (Peer-Reviewed Journal)
- LXXXVII. **Tubes with Darboux frame**
DOĞAN F., YAYLI Y.
Int. J. Contemp. Math. Sci., vol.7, no.16, pp.751-758, 2012 (Peer-Reviewed Journal)
- LXXXVIII. **Stationary Acceleration Curves of Geodesic Frame in SE(3)**
Abazari N., YAYLI Y.
Australian Journal of Basic and Applied Sciences, vol.5, no.9, pp.1071-1076, 2011 (Scopus)
- LXXXIX. **De-moivre's formula for matrices of quaternions**
Jafari M., Mortazaasl H., YAYLI Y.
JP Journal of Algebra, Number Theory and Applications, vol.21, no.1, pp.57-67, 2011 (ESCI)
- XC. **The conical helix strip in E3**
Kaya F. E., YAYLI Y., Hacisalihoglu H. H.
International Journal of Pure and Applied Mathematics, vol.66, no.2, pp.145-156, 2011 (Scopus)
- XCI. **De Moivre s Fomula For Matrices of Quaternions**
jafari m., HAMİD M. A., YAYLI Y.
JP Journal of Algebra, Number Theory and Application, vol.21, no.1, pp.57-67, 2011 (Peer-Reviewed Journal)
- XCII. **The classcial elastic curves in Lorentz-Minkowki space**
Sağır I., Abazari n., EKMEKÇİ F. N., YAYLI Y.
International Journal of Contemporary Mathematical Sciences, vol.6, 2011 (Peer-Reviewed Journal)
- XCIII. **On the curvatures of Tubular surface with Bishop frame**
DOĞAN F., YAYLI Y.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.60, pp.59-69, 2011 (Peer-Reviewed Journal)
- XCIV. **The conical helix strip in E3 International Journal of Pure and Applied Mathematics**
KAYA F. E., YAYLI Y., HACISALİHOĞLU H.
International Journal of Pure and Applied Mathematics, vol.66, no.2, pp.145-156, 2011 (Peer-Reviewed Journal)
- XCV. **Equations of the spherical conics**
ALTUNKAYA B., YAYLI Y., HACISALİHOĞLU H., ARSLAN F.
Electronic Journal of Mathematics and Technology, vol.5, no.3, 2011 (Peer-Reviewed Journal)
- XCVI. **The Classical Elastic Curves in Lorentz Minkowski Space**
SAĞEL I., ABAZARİ N., EKMEKÇİ F. N., YAYLI Y.
m-hikari, vol.6, no.7, pp.309-320, 2011 (Peer-Reviewed Journal)
- XCVII. **General helix and associated plane curve in Minkowski 3-space**
Güven I. A., Kaya S., YAYLI Y.
Far East Journal of Mathematical Sciences, vol.47, no.2, pp.225-233, 2010 (Scopus)
- XCVIII. **LC SLANT HELIX ON HYPERSURFACES IN MINKOWSKI SPACE En 1**
ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., HACISALİHOĞLU H.
J. pure Appl. Math, vol.1, no.2, pp.137, 2010 (Peer-Reviewed Journal)
- XCIX. **A characterization of cylindrical helix strip**
ERTEM KAYA F., YAYLI Y., hacisalihoglu h.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, no.59, pp.37, 2010 (ESCI)
- C. **LC Slant helix on hypersurface in Minkowski space E**
ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., Hasan Hilmi h.
TWMS J. Pure Appl. Math., pp.137-145, 2010 (Peer-Reviewed Journal)

- CI. **Homothetic motions at E_4 alpha beta**
jafari m., YAYLI Y.
International journal of contemporary mathematical sciences, vol.5, no.47, pp.2319-2326, 2010 (Peer-Reviewed Journal)
- CII. **Homotetic Motions at E_8 with Bicomplex Numbers C_3**
BABADAĞ F., YAYLI Y., EKMEKÇİ F. N.
Int.J.Contemp.Math.Sciences, no.4, pp.1619, 2009 (Peer-Reviewed Journal)
- CIII. **Homothetic Motions at E_8 with Bicomplex Numbers C_3**
BABADAĞ F., YAYLI Y., EKMEKÇİ F. N.
Int. H. Contemp, vol.4, no.33, pp.1619-1626, 2009 (Peer-Reviewed Journal)
- CIV. **Homothetic Motions and Bicomplex Numbers**
BABADAĞ F., YAYLI Y., EKMEKÇİ F. N.
Commun Fac. Ankara, vol.58, no.1, pp.23-28, 2009 (Peer-Reviewed Journal)
- CV. **On point line displacement in Minkowski 3 space**
AYDOĞMUŞ Ö., KULA L., YAYLI Y.
Differ. Geom. Dyn. Syst., vol.10, pp.32-43, 2008 (Peer-Reviewed Journal)
- CVI. **On Kinematics Of Semi Euclidean Submanifolds On The Plane E_3^1**
TUNÇER Y., SAĞEL M. K., YAYLI Y.
Novi Sad J. Math, vol.38, no.1, pp.11-23, 2008 (Peer-Reviewed Journal)
- CVII. **Split quaternions and the lie group 4 3**
Kabadayi H., YAYLI Y.
Demonstratio Mathematica, vol.40, no.3, pp.601-607, 2007 (ESCI)
- CVIII. **Homothetic motions in semi Euclidean space E_2^4**
KULA L., YAYLI Y.
Math. Proc. R. Ir.Acad, no.105, pp.9-15, 2005 (Peer-Reviewed Journal)
- CIX. **On timelike line congruences and dual spherical areas on Lorentzian spheres**
ÖZYILMAZ E., YAYLI Y., TANTAY B.
Math. Proc. R. Ir Acad, no.103, pp.9, 2003 (Peer-Reviewed Journal)
- CX. **On the integral invariants of a time like ruled surface**
ÖZYILMAZ E., YAYLI Y.
Math. Comput. Appl., no.6, pp.137, 2001 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Singularities of Ruled Surfaces and Legendre Curves**
BEKAR M., YAYLI Y.
International Conference on Operators in Morrey-type Spaces and Applications (OMTSA2017), 10 - 13 July 2017
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International Conference on Operators in Morrey-type Spaces and Applications (OMTSA2017), 10 - 13 July 2017
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- XXI. **Homothetic Motion and Surfaces with Pointwise 1-Type Gauss Map in E-4**
AKSOYAK F. K., YAYLI Y.
International Workshop on Theory of Submanifolds, İstanbul, Turkey, 2 - 04 June 2016, pp.80-95
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International Conference on Pure and Applied Mathematics (ICPAM 2015), 25 - 28 August 2015

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International Conference on Pure and Applied Mathematics (ICPAM 2015), 25 - 28 August 2015

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13. geometri sempozyumu YTÜ, Turkey, 27 - 30 July 2015

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

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

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1st International Conference on Analysis and Applied Mathematics, ICAAM 2012, Gümüşhane, Turkey, 18 - 21 October 2012, vol.1470, pp.53-56

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II. International Eurasian Conference on Mathematical Sciences and Applications konferansı, 26 - 29 August 2013

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I. International Eurasian Conference on Mathematical Sciences and Applications konferansı, 3 - 07 September 2012

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GÖK İ., ÖZKALDI KARAKUŞ S., YAYLI Y., Hasan Hilmi H.

IV congress of the Turcic World Mathematical Society konferansı, 30 June - 04 July 2009

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ÖZKALDI KARAKUŞ S., GÖK İ., YAYLI Y., Hasan Hilmi H.

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VIII. Geometri Sempozyumu konferansı, Turkey, 29 April - 02 May 2010

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MERAL M., Hasan Hilmi H., YAYLI Y., GÖK İ.

Metrics

Publication: 279

Citation (WoS): 697

Citation (Scopus): 845

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H-Index (Scopus): 13