

Prof. Ahmet YÜCESAN

Personal Information

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Address: Süleyman Demirel Üniversitesi Fen-Edebiyat Fakültesi Matematik Bölümü 32260, Isparta

Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey Continues

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Indefinite Kaehler Manifoldunda Hiperyüzeylerin Geometrisi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Matematik, 2004

Postgraduate, E^3_1 Yarı-Öklidiyen Uzayında Yarı-Öklidiyen Yüzeylerin Eğrilikleri Üzerine, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Matematik, 1998

Research Areas

Mathematics, Differential Geometry, Natural Sciences

Academic and Administrative Experience

Suleyman Demirel University, Fen-Edebiyat Fakültesi, Matematik, 2017 - Continues

Suleyman Demirel University, Fen-Edebiyat Fakültesi, Matematik, 2015 - Continues

Jury Memberships

Associate Professor Exam, Doçentlik Sınavı, Yıldız Teknik Üniversitesi, October, 2017

Associate Professor Exam, Doçentlik Sınavı, Yıldız Teknik Üniversitesi, February, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Elastic strips with null and pseudo-null directrix

Tukel G. O. , YÜCESAN A.

INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.17, no.2, 2020 (Journal Indexed in SCI)

- II. **Elastic Strips with Spacelike Directrix**
Tukel G. O. , YÜCESAN A.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.42, no.5, pp.2623-2638, 2019 (Journal Indexed in SCI)
- III. **ELASTIC STRIPS WITH TIMELIKE DIRECTRIX**
Tukel G. O. , YÜCESAN A.
MATHEMATICAL REPORTS, vol.21, no.1, pp.67-83, 2019 (Journal Indexed in SCI)
- IV. **GENERALIZED ELASTICA IN $SO(3)$**
Tukel G. O. , Turhan T., YÜCESAN A.
MISKOLC MATHEMATICAL NOTES, vol.20, no.2, pp.1273-1283, 2019 (Journal Indexed in SCI)
- V. **Curves whose pseudo spherical indicatrices are elastic**
YÜCESAN A., Ozkan Tukel G., Tunahan Turhan T. T.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.6, pp.3123-3132, 2018 (Journal Indexed in SCI)
- VI. **Relaxed Hyperelastic Curves on a Non-Degenerate Surface**
Ozkan G., YÜCESAN A.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.11, no.4, pp.1241-1250, 2014 (Journal Indexed in SCI)
- VII. **Relaxed elastic line in a Riemannian manifold**
Ozkan G., YÜCESAN A.
TURKISH JOURNAL OF MATHEMATICS, vol.38, no.4, pp.746-752, 2014 (Journal Indexed in SCI)
- VIII. **NON-DEGENERATE HYPERSURFACES OF A SEMI-RIEMANNIAN MANIFOLD WITH A SEMI-SYMMETRIC NON-METRIC CONNECTION**
YÜCESAN A., YAŞAR E.
MATHEMATICAL REPORTS, vol.14, no.2, pp.209-219, 2012 (Journal Indexed in SCI)
- IX. **ELASTICA ON 2-DIMENSIONAL ANTI-DE SITTER SPACE**
YÜCESAN A., Oral M.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.8, no.1, pp.107-113, 2011 (Journal Indexed in SCI)
- X. **Relaxed hyperelastic curves**
YÜCESAN A., Ozkan G., Yay Y.
ANNALES POLONICI MATHEMATICI, vol.102, no.3, pp.223-230, 2011 (Journal Indexed in SCI)
- XI. **LIGHTLIKE SUBMANIFOLDS OF A SEMI-RIEMANNIAN MANIFOLD WITH A SEMI-SYMMETRIC NON-METRIC CONNECTION**
YÜCESAN A., YAŞAR E.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.47, no.5, pp.1089-1103, 2010 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **Totally real submanifolds of an indefinite Kaehler manifold with a complex semi-symmetric metric connection**
Yucesan A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.33, pp.113-122, 2008 (Journal Indexed in SCI)
- XV. **Lightlike hypersurfaces of a semi-Riemannian manifold with a semi-symmetric metric connection**
Yasar E., Coeken A. C. , YÜCESAN A.
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.34, pp.11-24, 2007 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **On rectifying dual space curves**
YÜCESAN A., AYYILDIZ N., Coeken A. C.
REVISTA MATEMATICA COMPLUTENSE, vol.20, no.2, pp.497-506, 2007 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **On the relaxed elastic line on pseudo-hypersurfaces in pseudo-Euclidean spaces**
YÜCESAN A., Çöken A. C. , AYYILDIZ N., Manning G. S.
Applied Mathematics and Computation, vol.155, no.2, pp.353-372, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **The characterizations of some special Frenet curves in Minkowski 3-space**
Özülkü Engin B., YÜCESAN A.
Malaya Journal of Matematik, vol.8, no.4, pp.2137-2143, 2020 (Refereed Journals of Other Institutions)
- II. **A Note On Hyperelastic Curves**
ÖZKAN TÜKEL G., Huang R., YÜCESAN A.
Acta Universitatis Apulensis, vol.63, pp.1-9, 2020 (Refereed Journals of Other Institutions)
- III. **HYPERELASTIC LIE QUADRATICS**
Tukel G. O. , Turhan T., YÜCESAN A.
HONAM MATHEMATICAL JOURNAL, vol.41, no.2, pp.369-380, 2019 (Journal Indexed in ESCI)
- IV. **A Study on a Generalized Relaxed Curvature Energy Action**
ÖZKAN TÜKEL G., YÜCESAN A.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.541, 2018 (Other Refereed National Journals)
- V. **A Curvature Energy Problem on a Timelike Surface**
TUKEL G. O. , YÜCESAN A.
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.11, no.2, pp.120-125, 2018 (Journal Indexed in ESCI)
- VI. **C-2 Elastic Curves in Euclidean 3-Space**
Turhan T., TUKEL G. O. , Yucesan A.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.57, no.2, pp.110-114, 2018 (Journal Indexed in ESCI)
- VII. **ON SPHERICAL ELASTIC CURVES: SPHERICAL INDICATRIX ELASTIC CURVES**
Tukel G. O. , Turhan T., YÜCESAN A.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.699-706, 2017 (Journal Indexed in ESCI)
- VIII. **KIRCHHOFF ELASTIC RODS IN MINKOWSKI 3-SPACE**
SOYLU Y., YÜCESAN A.
JOURNAL OF SCIENCE AND ARTS, no.4, pp.711-720, 2017 (Journal Indexed in ESCI)
- IX. **Bézier Curve with a Minimal Jerk Energy**
ERİŞKİN H., YÜCESAN A.
Mathematical Sciences & Applications E-Notes, vol.4, no.2, pp.139-148, 2016 (Refereed Journals of Other Institutions)
- X. **BÉzier geodesic-like curves on 2-dimensional de Sitter space**
YÜCESAN A., AKINCI A.
Far East Journal of Mathematical Sciences, vol.99, no.12, pp.1921-1929, 2016 (Refereed Journals of Other Institutions)
- XI. **DIFFERENTIAL GEOMETRY OF HOLOMORPHIC HYPERSURFACES**
MÜZEYYEN GÜLŞAH K., YÜCESAN A.

Analele Stiintifice Ale Universitatii Al I Cuza Din Iasi-Serie Noua-Matematika, vol.61, no.2, pp.429-436, 2015
(Refereed Journals of Other Institutions)

XII. Elastic Curves in a Two dimensional Lightlike Cone

GÖZDE T. Ö. , YÜCESAN A.

INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.8, no.2, pp.1-8, 2015 (Journal Indexed in ESCI)

XIII. Non degenerate hypersurfaces of a semi Riemannian manifold with a semi symmetric metric connection

YÜCESAN A., AYYILDIZ N.

Archivum Mathematicum, vol.44, no.1, pp.77-78, 2008 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Konik Kesitler

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. ,
ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş, Yusuf Civan, Editor, Nobel, Ankara, pp.219-306, 2017

II. 3. Bölüm İkinci Dereceden Denklemler ve Fonksiyonlar Eşitsizlikler

ŞAHİNER A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , YÜCESAN A., GÜRDAL M., AYTAR S., TURHAN T., YAKIT ONGUN
M., DAĞHAN H. A. , ÖZKAN TÜKEL G.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller - COLLEGE ALGEBRA Graphs and Models, Yusuf Civan, Editor, Nobel,
pp.393-474, 2017

III. Bölüm 2 Fonksiyonlar Hakkında Daha Fazlası

ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , GÜRDAL M.,
YAKIT ONGUN M., AYTAR S., TURHAN T.

in: Kalkülüse Giriş: Grafikler ve Modeller College Algebra: Graphs and Models, Yusuf Civan, Editor, Nobel Akademik
Yayıncılık, pp.93-162, 2017

IV. 5. Bölüm Üstel ve Logaritmik Fonksiyonlar

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. ,
ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel, pp.391-482, 2017

V. Polinom Fonksiyonlar ve Rasyonel Fonksiyonlar

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. ,
ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş, Yusuf Civan, Editor, Nobel, pp.219-306, 2017

VI. Grafikler, Fonksiyonlar ve Modeller

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. ,
ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel, Isparta, pp.1-92, 2017

VII. Bölüm 3, İkinci Dereceden (Kvadratik) Fonksiyonlar ve Denklemler Eşitsizlikler

YAKIT ONGUN M., ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A.
, GÜRDAL M., AYTAR S., TURHAN T.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller - COLLEGE ALGEBRA Graphs and Models, Civan Yusuf, Editor, Nobel
Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.163-218, 2017

VIII. Diziler, Seriler ve Kombinatorikler

ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , YAKIT ONGUN
M., AYTAR S., TURHAN T.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel Yayıncılık, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Characterization of Dual General Helices**
YÜCESAN A., ÖZKAN TÜKEL G.
4th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 October 2020, pp.46-53
- II. **Relaxed Elastic Lie Quadratics**
ÖZKAN TÜKEL G., YÜCESAN A.
4th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 October 2020, pp.473-479
- III. **Dual Elastica**
ÖZKAN TÜKEL G., YÜCESAN A.
1. ULUSLARARSI HAZAR BİLİMSEL ARAŞTIRMALAR KONGRESİ, Baku, Azerbaijan, 18 - 20 September 2020, pp.950-957
- IV. **The characterizations of some special curves in Minkowski 3-space**
Özülkü Engin B., YÜCESAN A.
The 8th International Conference on Knowledge and Education Technology, prague, Czech Republic, 23 August - 26 March 2019
- V. **The Problem of a Generalized Elastica in Lie Groups**
TUKEL G. O. , Turhan T., YÜCESAN A.
International Conference on Mathematical Studies and Applications 2018, Karaman, Turkey, 4 - 06 October 2018, pp.76
- VI. **Hyperelastic curves in $SO(3)$**
ÖZKAN TÜKEL G., TURHAN T., YÜCESAN A.
16th international geometry semposium, Manisa, Turkey, 4 - 07 July 2018, pp.304
- VII. **A study on Elastic Strips**
ÖZKAN TÜKEL G., YÜCESAN A.
6TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Budapest, Hungary, 15 - 18 August 2017, pp.205
- VIII. **Pseudo Spherical Indicatrix Elastic Curves**
YÜCESAN A., ÖZKAN TÜKEL G., TURHAN T.
6TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Budapest, Hungary, 15 - 18 August 2017, pp.195
- IX. **A Survey on Elasticity of C^2 Regular Curves**
TURHAN T., ÖZKAN TÜKEL G., YÜCESAN A.
The 9th 10th Dynamical Systems Applications International Conference, Alanya, Antalya, Turkey, 12 - 15 July 2017
- X. **A Survey on Spherical Indicatrix Elastic Curves**
ÖZKAN TÜKEL G., TURHAN T., YÜCESAN A.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017, pp.133
- XI. **Extremals of a curvature energy action in a two dimensional lightlike cone**
ÖZKAN TÜKEL G., HUANG R., YÜCESAN A.
15th International Geometry Symposium, Amasya, Turkey, 3 - 06 July 2017
- XII. **Elastic Strips with Pseudo Null Directrix**
ÖZKAN TÜKEL G., YÜCESAN A.
The X-th International Conference of Differential Geometry and Dynamical Systems (DGDS-2016), Mangaia, Cook Islands, 29 August - 03 September 2016
- XIII. **Elastic Strips with Null Directrix**
ÖZKAN TÜKEL G., YÜCESAN A.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.118
- XIV. **Bézier Geodesic like Curves on 2 dimensional Pseudo hyperbolic Space**
Akıncı A., YÜCESAN A.
14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.119
- XV. **Bezier Geodesic like Curves on 2 dimensional de Sitter Space**

YÜCESAN A., AKINCI A.

The 4th Abu Dhabi University Annual International Conference: Mathematical Science & It's Applications, Abu Dhabi, United Arab Emirates, 23 - 25 December 2015

XVI. Elastica in a 3 dimensional Lightlike Cone

YÜCESAN A.

International Conference on Advancements in Mathematical Sciences, Antalya, Turkey, 5 - 07 November 2015

XVII. Generalized Relaxed Elastic Line on a Non-degenerate Surface

YÜCESAN A., ÖZKAN TÜKEL G.

International Conference: Mathematical Science & Applications,, Abu Dhabi, United Arab Emirates, 26 - 30 December 2012

XVIII. Timelike Elastic Strips

ÖZKAN TÜKEL G., YÜCESAN A.

International Conference: Mathematical Science & Applications,, Abu Dhabi, United Arab Emirates, 26 - 30 December 2012

XIX. Relaxed Hyperelastic Curves in 3-dimensional Minkowski Space

ÖZKAN TÜKEL G., YÜCESAN A.

International Conference "Geometry in Odessa-2012", Odessa, Ukraine, 28 May - 01 June 2012

XX. Relaxed Elastic Line in Space Forms,

ÖZKAN TÜKEL G., YÜCESAN A.

XVI Geometrical Seminar, Vrnjacka Banja, Serbia And Montenegro, 20 September - 25 October 2010

XXI. Relaxed Hyperelastic Line on an Oriented Surface

YÜCESAN A., ÖZKAN TÜKEL G., Soylu Y.

Ukrainian Mathematical Congress-2009, Kyiv, Ukraine, 27 - 29 August 2009

Activities in Scientific Journals

Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi , Committee Member, 2017 - Continues

Scientific Refereeing

Turkish Journal of Mathematics, SCI Journal, May 2018

Turkish Journal of Mathematics, SCI Journal, April 2018

Turkish Journal of Mathematics,, SCI Journal, November 2017

International Electronic Journal of Geometry,, Other Indexed Journal, May 2017

Mediterranean Journal of Mathematics,, SCI Journal, February 2017

Citations

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