

Asst. Prof. İBRAHİM ÜNAL

Personal Information

Email: iunal@metu.edu.tr

Web: <https://avesis.metu.edu.tr/iunal>

International Researcher IDs

ScholarID: MKvqmIQAAAAJ

ORCID: 0000-0003-1526-2516

Publons / Web Of Science ResearcherID: AAZ-9109-2020

ScopusID: 57210680658

Yoksis Researcher ID: 225118

Education Information

Doctorate, State University of New York at Stony Brook, Mathematics, United States Of America 2000 - 2007

Undergraduate, Middle East Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1995 - 1999

Dissertations

Doctorate, Phi-Critical Submanifolds and Convexity in Calibrated Geometry, State University Of New York At Stony Brook, Mathematics, 2007

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 2015 - Continues

Assistant Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 2010 - 2018

Advising Theses

ÜNAL İ., ÖNSİPER M. H. , Some problems on the geometry of calibrated manifolds, Doctorate, E.YALÇINKAYA(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On symplectic 8-manifolds admitting Spin(7)-structure**
Yalcinkaya E., ÜNAL İ.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.5, pp.1792-1801, 2020 (SCI-Expanded)
- II. **A note on the Gauss maps of Cayley-free embeddings into spin(7)-manifolds**
Ünal İ.
DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS, vol.61, pp.1-8, 2018 (SCI-Expanded)

- III. **h-Principle phi-free embeddings in calibrated manifolds**
Unal I.
INTERNATIONAL JOURNAL OF MATHEMATICS, vol.26, no.7, 2015 (SCI-Expanded)
- IV. **Fiber structures of special (4+3+1) warped-like manifolds with Spin(7) holonomy**
UĞUZ S., ÜNAL İ.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.11, no.8, 2014 (SCI-Expanded)
- V. **A note on critical values of calibrations**
Unal I.
DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS, vol.31, no.1, pp.29-32, 2013 (SCI-Expanded)
- VI. **Topology of phi-convex domains in calibrated manifolds**
Unal I.
BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY, vol.42, no.2, pp.259-275, 2011 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **From Minimal Surfaces to Calibrated Submanifolds**
ÜNAL İ.
Workshop on Pure and Applied Mathematics, 28 - 30 November 2019
- II. **Similarities between Complex and Calibrated Geometries**
ÜNAL İ.
Atılım Geometri Topoloji Çalıştayı, Turkey, 15 - 16 May 2015
- III. **Critical Values of Calibrations and Minimal Submanifolds**
ÜNAL İ.
2015 Joint Mathematics Meetings, San Antonio, 10 - 13 January 2015
- IV. **Kalibre Edilmiş Manifoldlarda Potansiyel Teorisi**
ÜNAL İ.
27. Ulusal Matematik Sempozyumu, Turkey, 26 - 29 August 2014
- V. **Fiber Structures of Special 4 3 1 Warped like Manifolds with Spin 7 holonomy**
ÜNAL İ., UĞUZ S.
9. Ankara Matematik Günleri, Turkey, 12 - 13 June 2014
- VI. **Phi critical Submanifolds of Calibrated Manifolds**
ÜNAL İ.
Conference on Geometry, İstanbul, Turkey, 19 - 23 March 2014
- VII. **free Submanifolds and Convexity in Calibrated Manifolds**
ÜNAL İ.
2014 Joint Mathematics Meetings, Baltimore, Baltimore, United States Of America, 15 - 18 January 2014
- VIII. **h principle and Phi free Embeddings in Calibrated Manifolds**
ÜNAL İ.
8. Ankara Matematik Günleri, Turkey, 13 - 14 June 2013
- IX. **Topology of Phi free Submanifolds**
ÜNAL İ.
İzmir Algebraic Geometric Topology Days II, İzmir, Turkey, 9 - 14 January 2011
- X. **Examples of Phi critical Submanifolds**
ÜNAL İ.
4. Ankara Matematik Günleri, Turkey, 4 - 05 June 2009

Supported Projects

ÜNAL İ., Project Supported by Higher Education Institutions, G₂ veya Spin(7) Dolanma Sahip Kalibre Edilmiş

Manifoldlardaki Phi-Özgür Altmanifoldların Geometrisi / Geometry of Phi-Free Submanifolds in Calibrated Manifolds
with G_2 or $Spin(7)$ Holonomy, 2016 - 2017

Metrics

Publication: 16

Citation (WoS): 7

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 2