

Assoc. Prof. EMRE COŞKUN

Personal Information

Office Phone: [+90 312 210 5394](tel:+903122105394)

Email: emcoskun@metu.edu.tr

Web: <http://users.metu.edu.tr/emcoskun/>

International Researcher IDs

ScholarID: kMU6v8wAAAAJ

ORCID: 0000-0002-0060-1282

Publons / Web Of Science ResearcherID: AAZ-6879-2020

ScopusID: 45561100100

Yoksis Researcher ID: 187866

Education Information

Doctorate, Michigan State University, Department Of Mathematics, United States Of America 2002 - 2009

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 2000 - 2002

Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1996 - 2000

Dissertations

Doctorate, The Fine Moduli Space of Representations of Clifford Algebras, Michigan State University, Department Of Mathematics, 2009

Postgraduate, On the Geography problem of spin symplectic 4-manifolds, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2002

Research Areas

Basic Sciences, Mathematics, Algebraic Geometry

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2017 - Continues

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2013 - 2017

Advising Theses

COŞKUN E., Calabi-Yau varieties and machine learning, Postgraduate, T.DORUK(Student), 2022

COŞKUN E., Stable Ulrich bundles on Fano 3-folds with Picard number 2, Doctorate, Ö.GENÇ(Student), 2016

Designed Lessons

Coşkun E., GEOMETRY III, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ulrich trichotomy on del Pezzo surfaces**
COŞKUN E., GENC O.
ADVANCES IN GEOMETRY, vol.23, no.1, pp.51-68, 2023 (SCI-Expanded)
- II. **Instanton bundles on the blowup of the projective 3-space at a point**
CASNATI G., COŞKUN E., GENC O., MALASPINA F.
MICHIGAN MATHEMATICAL JOURNAL, vol.70, no.4, pp.807-836, 2021 (SCI-Expanded)
- III. **ULRICH BUNDLES ON VERONESE SURFACES**
COŞKUN E., GENC O.
PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.145, pp.4687-4701, 2017 (SCI-Expanded)
- IV. **The period-index problem of the canonical gerbe of symplectic and orthogonal bundles**
BİSWAS I., COŞKUN E., DHILLON A.
JOURNAL OF ALGEBRA, vol.446, pp.400-425, 2016 (SCI-Expanded)
- V. **Ulrich bundles on quartic surfaces with Picard number 1**
COSKUN E.
COMPTES RENDUS MATHEMATIQUE, vol.351, pp.221-224, 2013 (SCI-Expanded)
- VI. **The geometry of Ulrich bundles on del Pezzo surfaces**
COSKUN E., KULKARNI R. S., MUSTOPA Y.
JOURNAL OF ALGEBRA, vol.375, pp.280-301, 2013 (SCI-Expanded)
- VII. **PFAFFIAN QUARTIC SURFACES AND REPRESENTATIONS OF CLIFFORD ALGEBRAS**
COŞKUN E., KULKARNI R. S., MUSTOPA Y.
DOCUMENTA MATHEMATICA, vol.17, pp.1003-1028, 2012 (SCI-Expanded)
- VIII. **The Fine Moduli Space of Representations of Clifford Algebras**
COSKUN E.
INTERNATIONAL MATHEMATICS RESEARCH NOTICES, no.15, pp.3524-3559, 2011 (SCI-Expanded)
- IX. **On Nori's obstruction to universal bundles**
COŞKUN E., DHILLON A., LEMIRE N.
JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY, vol.25, pp.359-376, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Archimedes's Measurement of the Circle in Arabic: Texts and Translations**
COŞKUN E.
SCIAMVS. SOURCES AND COMMENTARIES IN EXACT SCIENCES, vol.23, pp.79-179, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A survey of Ulrich bundles**
COŞKUN E.
CONFERENCE ON ANALYTIC AND ALGEBRAIC GEOMETRY, MUMBAI, INDIA, 16 - 20 MARCH 2015, pp.85-106
- II. **On representations of Clifford algebras of Ternary cubic forms**
COSKUN E., KULKARNI R. S., MUSTOPA Y.
CONFERENCE ON NEW TRENDS IN NONCOMMUTATIVE ALGEBRA, WASHINGTON, UNITED STATES OF AMERICA, 9 - 14 AUGUST

Supported Projects

COŞKUN E., TUBITAK Project, Cebirsel Varyeteler Üzerinde Vektör Demetleri Ve Modül Uzayları, 2014 - 2017

COŞKUN E., Project Supported by Higher Education Institutions, Del Pezzo Yüzeyleri Üzerinde Ulrich Demetleri, 2014 - 2016

Scientific Refereeing

Contributions to Algebra and Geometry, Journal Indexed in ESCI, May 2020

Tasks In Event Organizations

Coşkun E., Genç Ö., Jardim M., Bandoleros 2022, Scientific Congress, Ankara, Turkey, Mayıs 2022

Karayayla T., Coşkun E., Kişisel A. U. Ö., Genç Ö., Conference on ACM Bundles on Algebraic Varieties, Scientific Congress, Ankara, Turkey, Haziran 2015

Metrics

Publication: 12

Citation (WoS): 94

Citation (Scopus): 63

H-Index (WoS): 5

H-Index (Scopus): 4

Congress and Symposium Activities

Delphi Symposium on Greek Mathematics, Invited Speaker, Lamia, Greece, 2023

Awards

Coşkun E., ODTÜ Genç Araştırmacı Ödülü, Middle East Technical University, June 2014

Non Academic Experience

Institut des Hautes Etudes Scientifiques

Tata Institute of Fundamental Research

University of Western Ontario