

Res. Asst. TALHA ARIKAN

Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2013 - Continues

Postgraduate, Tobb University Of Economics And Technology, Fen Bilimleri Enstitüsü, Matematik, Turkey 2011 - 2013

Undergraduate Double Major, Tobb University Of Economics And Technology, İktisadi İdari Bilimler Fakültesi, İktisat, Turkey 2007 - 2011

Undergraduate, Tobb University Of Economics And Technology, Fen Edebiyat Fakültesi, Matematik, Turkey 2005 - 2011

Dissertations

Postgraduate, Yüksek mertebeden lineer indirgeme dizilerinin terimlerinin ters toplamları, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2013

Research Areas

Mathematics, Linear and Multilinear Algebra: Matrix Theory, Combinatorics, Number Theory, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Asymptotically optimal $[2k+1, k, k]$ -almost affinely disjoint subspaces**
Duzgun B., ARIKAN T., Otal K., Ozbudak F.
DISCRETE MATHEMATICS, no.10, 2024 (SCI-Expanded)
- II. **On a group under which symmetric Reed-Muller codes are invariant**
Toplu S. K., ARIKAN T., AYDOĞDU P., YAYLA O.
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, 2024 (SCI-Expanded)
- III. **An asymptotically optimal construction of almost affinely disjoint subspaces**
Otal K., ARIKAN T.
FINITE FIELDS AND THEIR APPLICATIONS, vol.84, 2022 (SCI-Expanded)
- IV. **Evaluation of some reciprocal trigonometric sums via partial fraction decomposition**
ARIKAN T., Prodinger H.
KUWAIT JOURNAL OF SCIENCE, vol.47, no.1, pp.14-21, 2020 (SCI-Expanded)
- V. **Evaluation of sums of products of Gaussian q -binomial coefficients with rational weight functions**

- ARIKAN T., KILIÇ E., Prodinger H.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.1, pp.307-318, 2020 (SCI-Expanded)
- VI. **A NONSYMMETRICAL MATRIX AND ITS FACTORIZATIONS**
ARIKAN T., KILIÇ E., Prodinger H.
MATHEMATICA SLOVACA, vol.69, no.4, pp.753-762, 2019 (SCI-Expanded)
- VII. **A nonlinear generalization of the Filbert matrix and its Lucas analogue**
KILIÇ E., ARIKAN T.
LINEAR & MULTILINEAR ALGEBRA, vol.67, no.1, pp.141-157, 2019 (SCI-Expanded)
- VIII. **Studying new generalizations of Max-Min matrices with a novel approach**
KILIÇ E., ARIKAN T.
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.4, pp.2010-2024, 2019 (SCI-Expanded)
- IX. **Double Binomial Sums and Double Sums Related with Certain Linear Recurrences of Various Order**
KILIÇ E., ARIKAN T.
CHIANG MAI JOURNAL OF SCIENCE, vol.45, no.3, pp.1569-1577, 2018 (SCI-Expanded)
- X. **Evaluation of Hessenberg Determinants via Generating Function Approach**
KILIÇ E., ARIKAN T.
FILOMAT, vol.31, no.15, pp.4945-4962, 2017 (SCI-Expanded)
- XI. **A CLASS OF NON-SYMMETRIC BAND DETERMINANTS WITH THE GAUSSIAN q -BINOMIAL COEFFICIENTS**
ARIKAN T., KILIÇ E.
QUAESTIONES MATHEMATICAE, vol.40, no.5, pp.645-660, 2017 (SCI-Expanded)
- XII. **Evaluation of spectrum of 2-periodic tridiagonal-Sylvester matrix**
Kilic E., ARIKAN T.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.1, pp.80-89, 2016 (SCI-Expanded)
- XIII. **The generalized reciprocal super Catalan matrix**
KILIÇ E., ARIKAN T.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.5, pp.960-972, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **103.26 A proof of Clarke's conjecture**
KILIÇ E., ARIKAN T.
MATHEMATICAL GAZETTE, vol.103, no.557, pp.346-352, 2019 (ESCI)
- II. **A Wilf class composed of 19 symmetry classes of quadruples of 4-letter patterns**
ARIKAN T., KILIÇ E., Mansour T.
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.23, no.3, pp.79-99, 2017 (ESCI)
- III. **Ruehr s identities with two additional parameters**
KILIÇ E., ARIKAN T.
INTEGERS, vol.16, pp.1-8, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Construction of Asymptotically Optimal Almost Affinely Disjoint Spaces**
ARIKAN T., Düzgün B., Otal K., ÖZBUDAK F.
2023 IEEE International Symposium on Information Theory, ISIT 2023, Taipei, Taiwan, 25 - 30 June 2023, vol.2023-June, pp.282-285
- II. **Evaluating Some Hessenberg Determinants via Generating Functions**
KILIÇ E., ARIKAN T.
International Conference on Approximation Theory and its Applications, 26 - 29 May 2016

III. Some Classes of Band Determinants of q binomial Coefficients

KILIÇ E., ARIKAN T.

LICMA'15 Lebanese International Conference on Mathematics and Applications, 26 - 29 May 2015

IV. İki Periyodik Tridiagonal Sylvester Matrisinin Spektrumu

KILIÇ E., ARIKAN T.

14. Matematik Sempozyumu, Turkey, 14 - 16 May 2015

V. Double binomial sums and double sums related with certain linear recurrences of various order

KILIÇ E., ARIKAN T.

3rd International Eurasian Conference On Mathematical Sciences and Applications, 25 - 28 August 2014

VI. Some further results on the sums of reciprocals of terms of a order k recurring sequence

KILIÇ E., ARIKAN T.

15th International Conference on Fibonacci Numbers and Their Applications, 25 - 30 June 2012

Supported Projects

ARIKAN T., KILIÇ E., Project Supported by Higher Education Institutions, Bazı Hessenberg Determinantlarının Üreteç Fonksiyonlarıyla Hesaplanması, 2016 - 2016

ARIKAN T., KILIÇ E., Project Supported by Higher Education Institutions, q -Binom Katsayılarının Bant Determinantlarının Bazı Sınıfları, 2015 - 2015

Metrics

Publication: 22

Citation (WoS): 20

H-Index (WoS): 3