

Asst. Prof. FERHAT KÜRÜZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2012 - 2018

Postgraduate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2010 - 2012

Undergraduate, Yildiz Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2006 - 2010

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Foreign Language, Marmara Üniversitesi Sürekli Eğitim Merkezi Dil Kursu, Marmara Üniversitesi , 2011

Dissertations

Doctorate, $F_q[v]/(v^2-v)$ HALKASI ÜZERİNDE m-SEL KALAN KODLAR VE DNA KODLAR, Yildiz Technical University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2018

Postgraduate, Belirleme kodları ve küme kaplama problemi, Yildiz Technical University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2012

Research Areas

Mathematics

Academic Titles / Tasks

Assistant Professor, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, COMPUTER ENGINEERING, 2019 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2013 - 2018

Research Assistant, Siirt University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2013

Courses

MATEMATİK II, Undergraduate, 2021 - 2022
Sayısal Analiz, Undergraduate, 2021 - 2022
Ayrık Matematik, Undergraduate, 2021 - 2022
Diferansiyel Denklemler, Undergraduate, 2022 - 2023
MATEMATİK I, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pell and Pell-Lucas hybrid quaternions**
KÜRÜZ F., Dağdeviren A.
Filomat, vol.37, no.25, pp.8425-8434, 2023 (SCI-Expanded)
- II. **m-ADIC RESIDUE CODES OVER THE RING $F_q[v]/(v^s - v)$ AND THEIR APPLICATIONS TO QUANTUM CODES**
Kuruz F., SARI M., KÖROĞLU M. E.
Quantum Information and Computation, vol.22, no.5-6, pp.427-439, 2022 (SCI-Expanded)
- III. **On leonardo pisano hybrinomials**
Kürüz F., Dağdeviren A., Catarino P.
Mathematics, vol.9, no.22, 2021 (SCI-Expanded)
- IV. **m-adic residue codes over $F_q[v]/(v^2 - v)$ and DNA codes**
Kuruz F., Oztas E. S., Siap I.
Bulletin of the Korean Mathematical Society, vol.55, no.3, pp.921-935, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **On Leonardo Pisano dual quaternions**
Dağdeviren A., Kürüz F., Catarino P.
On Leonardo Pisano dual quaternions, vol.45, no.1, pp.131-143, 2024 (ESCI)
- II. **Matrices with Hyperbolic Number Entries**
KÜRÜZ F., DAĞDEVİREN A.
Turkish Journal of Mathematics and Computer Science, vol.14, no.2, pp.306-313, 2022 (Peer-Reviewed Journal)
- III. **A Study on Matrices with Hybrid Number Entries**
ERKAN E., KÜRÜZ F., DAĞDEVİREN A.
Advanced Studies: Euro-Tbilisi Mathematical Journal, vol.22, no.10, pp.227-235, 2022 (Peer-Reviewed Journal)
- IV. **On the Horadam Hybrid Quaternions**
Dağdeviren A., Kürüz F.
Advanced Studies: Euro-Tbilisi Mathematical Journal, vol.22, no.10, pp.293-306, 2022 (Peer-Reviewed Journal)
- V. **SPECIAL REAL AND DUAL MATRICES WITH HADAMARD PRODUCT**
Dağdeviren A., KÜRÜZ F.
Journal of Engineering Technology and Applied Sciences, vol.6, no.2, pp.127-134, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Pell and Pell-Lucas Hybrid Quaternions**
KÜRÜZ F., DAĞDEVİREN A.
XXI. Geometrical Seminar, Belgrade, Serbia, 26 June 2022
- II. **Leonardo Split Kuaterniyonlar**
DAĞDEVİREN A., KÜRÜZ F.
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 October 2022,

pp.447-449

III. Kompleks Matrislerin Hadamard Çarpımları

KÜRÜZ F., DAĞDEVİREN A.

2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 October 2022, pp.115-117

IV. SOME PROPERTIES OF HORADAM HYBRID QUATERNIONS

KÜRÜZ F., DAĞDEVİREN A.

II. INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS IN SCIENCE AND ENGINEERING, Salamanca, Mexico, 01 July 2021, pp.103

V. m-adic Residue Codes over $F_q[v]/(v^2-v)$ and Quantum Codes

KÜRÜZ F., SARI M., KÖROĞLU M. E.

7th International Congress on Fundamental and Applied Sciences 2020, Prishtina, Serbia, 06 October 2020, pp.45

VI. On Hadamard Product of Hyperbolic Matrices

DAĞDEVİREN A., KÜRÜZ F.

7th International Congress on Fundamental and Applied Sciences 2020, Prishtina, Serbia, 06 October 2020, pp.54

VII. On Hadamard Product of Dual Matrices

KÜRÜZ F., DAĞDEVİREN A.

7th International Congress on Fundamental and Applied Sciences 2020, Prishtina, Serbia, 06 October 2020, pp.53