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International Researcher IDs

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Education Information

Doctorate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2013 - 2018

Postgraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2010 - 2013

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2006 - 2010

Dissertations

Doctorate, Yarım eksende spektral tekilliğe sahip sıçrama koşullu Sturm-Liouville operatörleri, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2018

Postgraduate, Diferensiyel operatörler için Weyl teorisi, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2013

Research Areas

Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2020 - Continues

Courses

CALCULUS II, Undergraduate, 2021 - 2022

CALCULUS I, Undergraduate, 2022 - 2023

İŞLETME MATEMATİĞİ, Undergraduate, 2021 - 2022

MATEMATİK II, Undergraduate, 2021 - 2022

CALCULUS I, Undergraduate, 2022 - 2023

BİTİRME PROJESİ, Undergraduate, 2021 - 2022

MATEMATİK I, Undergraduate, 2022 - 2023

GRADUATION PROJECT, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Second-Order Multiparameter Problems Containing Complex Potentials**
ERDAL İ., Ugurlu E.
AXIOMS, vol.11, no.12, 2022 (SCI-Expanded)
- II. **Difference equations with a point interaction**
Bayram E., Cebesoy S., Erdal İ.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.16, pp.5498-5508, 2019 (SCI-Expanded)
- III. **PROPERTIES OF EIGENVALUES AND SPECTRAL SINGULARITIES FOR IMPULSIVE QUADRATIC PENCIL OF DIFFERENCE OPERATORS**
Bayram E., Cebesoy S., Erdal İ.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.9, no.4, pp.1454-1469, 2019 (SCI-Expanded)
- IV. **Investigation of an impulsive Sturm-Liouville operator on semi axis**
YARDIMCI Ş., ERDAL İ.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.5, pp.1409-1416, 2019 (SCI-Expanded)
- V. **Spectral properties of an impulsive Sturm-Liouville operator**
Bayram E., Erdal İ., Yardımcı Ş.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2018, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Some Spectral Properties of Schrödinger Operators on Semi Axis**
ERDAL İ.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.3, pp.542-549, 2023 (Peer-Reviewed Journal)
- II. **EIGENVALUES AND SCATTERING PROPERTIES OF DIFFERENCE OPERATORS WITH IMPULSIVE CONDITION**
Erdal İ., Yardımcı Ş.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.663-671, 2019 (ESCI)
- III. **PRINCIPAL FUNCTIONS OF IMPULSIVE DIFFERENCE OPERATORS ON SEMI AXIS**
YARDIMCI Ş., ERDAL İ.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.2, pp.1797-1810, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Some Results for Matrix Sturm-Liouville Equations with a Point Interaction**
ERDAL İ.
III. International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE), Bucharest, Romania, 04 July 2022
- II. **Weyl Theory for the Fractional Sturm-Liouville Equations**
ERDAL İ.
III. International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE), Bucharest, Romania, 04 July 2022
- III. **Some Spectral Results For the Impulsive Difference Equations on the Whole Axis**
CEBESÖY Ş., ERDAL İ., BAYRAM E.
The 6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 July 2018
- IV. **Singular Multiparameter Differential Equations with Complex Potentials**
ERDAL İ., YARDIMCI Ş.
International Conference on Mathematics "An Istanbul Meeting for World Mathematicians" (ICOM), İstanbul,

Turkey, 3 - 06 July 2018

V. Some Spectral Properties of Impulsive Schrödinger Operators

ERDAL İ., BAYRAM E., YARDIMCI Ş.

International Conference on Mathematics “An Istanbul Meeting for World Mathematicians” (ICOM), İstanbul, Turkey, 3 - 06 July 2018

VI. Spectral Analysis of the Impulsive Schrödinger Operators

ERDAL İ., YARDIMCI Ş.

3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC), Konya, Turkey, 24 - 26 May 2017

VII. Spectral Singularities of the Impulsive Sturm-Liouville Operators on the Semi Axis

ERDAL İ., YARDIMCI Ş.

2nd Internatinal Conference on Analysis and its Applications (ICAA 2016), Kırşehir, Turkey, 12 - 15 July 2016

Metrics

Publication: 16

Citation (WoS): 24

Citation (Scopus): 9

H-Index (WoS): 4

H-Index (Scopus): 1