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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Matematik, Azerbaycan 1978 - 1982

Lisans, Bakü Devlet Üniversitesi, Uygulamalı Matematik, Matematik, Azerbaycan 1972 - 1977

Yabancı Diller

İngilizce, B1 Orta

Rusça, B2 Orta Üstü

Yaptığı Tezler

Doktora, ---, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Matematik, 1982

Araştırma Alanları

Matematik, Diferansiyel denklemler, Fark Denklemleri ve Fonksiyonel Denklemler, Operatör Kuramı, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Süleyman Demirel Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, 1997 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Conformable fractional Sturm-Liouville problems on time scales**
PAŞAOĞLU B., TUNA H.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2021 (SCI İndekslerine Giren Dergi)
- II. **Extensions of the matrix-valued q-Sturm-Liouville operators**
Paşaoğlu Allahverdiev B., Tuna H.
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.3, ss.1479-1494, 2021 (SCI İndekslerine Giren Dergi)
- III. **DILATIONS, MODELS AND SPECTRAL PROBLEMS OF NON-SELF-ADJOINT STURM-LIOUVILLE OPERATORS**
Allahverdiev B.
MISKOLC MATHEMATICAL NOTES, cilt.22, sa.1, ss.17-32, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Dissipative Dirac Operator with General Boundary Conditions on Time Scales**
Allahverdiev B., Tuna H.

UKRAINIAN MATHEMATICAL JOURNAL, cilt.72, sa.5, ss.671-689, 2020 (SCI İndekslerine Giren Dergi)

- V. **On the resolvent of singular Sturm-Liouville operators with transmission conditions**
Allahverdiev B., TUNA H.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.43, sa.7, ss.4286-4302, 2020 (SCI İndekslerine Giren Dergi)
- VI. **Qualitative Spectral Analysis of Singular q-Sturm–Liouville Operators**
Allahverdiev B., Tuna H.
Bulletin of the Malaysian Mathematical Sciences Society, cilt.43, sa.2, ss.1391-1402, 2020 (SCI İndekslerine Giren Dergi)
- VII. **A Representation of the Resolvent Operator of Singular Hahn-Sturm-Liouville Problem**
Allahverdiev B., TUNA H.
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, cilt.41, sa.4, ss.413-431, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **PROPERTIES OF THE RESOLVENT OF SINGULAR q-DIRAC OPERATORS**
Allahverdiev B., TUNA H.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2020 (SCI İndekslerine Giren Dergi)
- IX. **Limit-point criteria for q-Sturm-Liouville equations**
Allahverdiev B., Tuna H.
Quaestiones Mathematicae, cilt.42, sa.10, ss.1291-1299, 2019 (SCI İndekslerine Giren Dergi)
- X. **INDICES DEFECT THEORY OF SINGULAR HAHN-STURM-LIOUVILLE OPERATORS**
Allahverdiev B., Tuna H.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, cilt.9, sa.5, ss.1719-1730, 2019 (SCI İndekslerine Giren Dergi)
- XI. **Conformable fractional Sturm-Liouville equation**
Allahverdiev B., Tuna H., YALÇINKAYA Y.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.42, sa.10, ss.3508-3526, 2019 (SCI İndekslerine Giren Dergi)
- XII. **Titchmarsh-Weyl theory for q-Dirac systems**
Allahverdiev B., Tuna H.
INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS, cilt.22, sa.2, 2019 (SCI İndekslerine Giren Dergi)
- XIII. **ON EXPANSION IN EIGENFUNCTION FOR q-DIRAC SYSTEMS ON THE WHOLE LINE**
Allahverdiev B., TUNA H.
MATHEMATICAL REPORTS, cilt.21, sa.3, ss.369-382, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **The spectral expansion for the Hahn-Dirac system on the whole line**
Pasaoglu Allahverdiev B., Tuna H.
TURKISH JOURNAL OF MATHEMATICS, cilt.43, sa.3, ss.1668-1687, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Extensions, dilations, and spectral problems of singular Hamiltonian systems**
Allahverdiev B.
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- XVI. **Spectral expansion for the singular Dirac system with impulsive conditions**
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- XVII. **An expansion theorem for q-Sturm-Liouville operators on the whole line**
Pasaoglu Allahverdiev B., TUNA H.
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.3, ss.1060-1071, 2018 (SCI İndekslerine Giren Dergi)
- XVIII. **Dissipative q-Dirac operator with general boundary conditions**
Allahverdiev B., Tuna H.
QUAESTIONES MATHEMATICAE, cilt.41, sa.2, ss.239-255, 2018 (SCI İndekslerine Giren Dergi)
- XIX. **The dynamic instability of FG orthotropic conical shells within the SDT**

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- XX. **One-dimensional q-Dirac equation**
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- XXI. **Spectral analysis of the Direct Sum Hamiltonian Operators**
Allahverdiev B., Ugurlu E.
QUAESTIONES MATHEMATICAE, cilt.39, sa.6, ss.733-750, 2016 (SCI İndekslerine Giren Dergi)
- XXII. **SPECTRAL PROBLEMS OF NONSELF-ADJOINT SINGULAR DISCRETE STURM-LIOUVILLE OPERATORS**
Allahverdiev B.
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- XXIII. **SPECTRAL PROBLEMS OF NON-SELF-ADJOINT q-STURM-LIOUVILLE OPERATORS IN LIMIT-POINT CASE**
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- XXIV. **Extensions of Symmetric Singular Second-Order Dynamic Operators on Time Scales**
Allahverdiev B.
FILOMAT, cilt.30, sa.6, ss.1475-1484, 2016 (SCI İndekslerine Giren Dergi)
- XXV. **Non-self-adjoint Bessel and Sturm-Liouville boundary value problems in limit-circle case**
Allahverdiev B.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.38, sa.7, ss.1273-1281, 2015 (SCI İndekslerine Giren Dergi)
- XXVI. **TWO THEOREMS ON THE PRODUCT OF ABEL AND CESARO SUMMABILITY METHODS**
Erdem Y., ÇANAK İ., Allahverdiev B.
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- XXVII. **On dilation, scattering and spectral theory for two-interval singular differential operators**
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- XXVIII. **Eigenvalue problems for a non-self-adjoint Bessel-type operators in limit-point case**
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- XXIX. **Extensions of symmetric infinite Jacobi operator**
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- XXX. **Extensions and spectral problems of 1D discrete Hamiltonian systems**
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MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.36, sa.18, ss.2554-2563, 2013 (SCI İndekslerine Giren Dergi)
- XXXI. **SPECTRAL PROBLEMS OF NONSELFADJOINT 1D SINGULAR HAMILTONIAN SYSTEMS**
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TAIWANESE JOURNAL OF MATHEMATICS, cilt.17, sa.5, ss.1487-1502, 2013 (SCI İndekslerine Giren Dergi)
- XXXII. **A Nonself-Adjoint 1D Singular Hamiltonian System with an Eigenparameter in the Boundary Condition**
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POTENTIAL ANALYSIS, cilt.38, sa.4, ss.1031-1045, 2013 (SCI İndekslerine Giren Dergi)
- XXXIII. **Eigenparameter dependent Sturm-Liouville problems in boundary conditions with transmission conditions**

- Allahverdiev B., Bairamov E., Ugurlu E.
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- XXXIV. **Extensions of symmetric second-order difference operators with matrix coefficients**
 Allahverdiev B.
 JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, cilt.19, sa.5, ss.839-849, 2013 (SCI İndekslerine Giren Dergi)
- XXXV. **ON SELFADJOINT DILATION OF THE DISSIPATIVE EXTENSION OF A DIRECT SUM DIFFERENTIAL OPERATOR**
 Ugurlu E., Allahverdiev B.
 BANACH JOURNAL OF MATHEMATICAL ANALYSIS, cilt.7, sa.2, ss.194-207, 2013 (SCI İndekslerine Giren Dergi)
- XXXVI. **NONSELFADJOINT SINGULAR STURM-LIOUVILLE OPERATORS IN LIMIT-CIRCLE CASE**
 Allahverdiev B.
 TAIWANESE JOURNAL OF MATHEMATICS, cilt.16, sa.6, ss.2035-2052, 2012 (SCI İndekslerine Giren Dergi)
- XXXVII. **Tauberian conditions with controlled oscillatory behavior**
 ÇANAK İ., Totur U., Allahverdiev B.
 APPLIED MATHEMATICS LETTERS, cilt.25, sa.3, ss.252-256, 2012 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Nonself-Adjoint Second-Order Difference Operators in Limit-Circle Cases**
 Allahverdiev B.
 ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI İndekslerine Giren Dergi)
- XXXIX. **A completeness theorem for a dissipative Schrodinger problem with the spectral parameter in the boundary condition**
 ONGUN M. Y. , Allahverdiev B.
 MATHEMATISCHE NACHRICHTEN, cilt.281, sa.4, ss.541-554, 2008 (SCI İndekslerine Giren Dergi)
- XL. **A dissipative singular Sturm-Liouville problem with a spectral parameter in the boundary condition**
 Allahverdiev B.
 JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.316, sa.2, ss.510-524, 2006 (SCI İndekslerine Giren Dergi)
- XLI. **Dissipative Sturm-Liouville operators in limit-point case**
 Allahverdiev B.
 ACTA APPLICANDAE MATHEMATICAE, cilt.86, sa.3, ss.237-248, 2005 (SCI İndekslerine Giren Dergi)
- XLII. **Dissipative discrete Hamiltonian systems**
 Allahverdiev B.
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- XLIII. **Extensions, dilations and functional models of dirac operators**
 Allahverdiev B.
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- XLIV. **Spectral analysis of nonselfadjoint Schrodinger operators with a matrix potential**
 SALTAN S., Allahverdiev B.
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- XLV. **Extensions, dilations and functional models of Dirac operators in limit-circle case**
 Allahverdiev B.
 FORUM MATHEMATICUM, cilt.17, sa.4, ss.591-611, 2005 (SCI İndekslerine Giren Dergi)
- XLVI. **A nonself-adjoint singular Sturm-Liouville problem with a spectral parameter in the boundary condition**
 Allahverdiev B.
 MATHEMATISCHE NACHRICHTEN, cilt.278, ss.743-755, 2005 (SCI İndekslerine Giren Dergi)
- XLVII. **Extensions, dilations and functional models of infinite Jacobi matrix**
 Allahverdiev B.
 CZECHOSLOVAK MATHEMATICAL JOURNAL, cilt.55, sa.3, ss.593-609, 2005 (SCI İndekslerine Giren Dergi)

- XLVIII. Dissipative Schrodinger operators with matrix potentials**
Allahverdiev B.
POTENTIAL ANALYSIS, cilt.20, sa.4, ss.303-315, 2004 (SCI İndekslerine Giren Dergi)
- XLIX. Dissipative eigenvalue problems for a singular Dirac system**
Allahverdiev B.
APPLIED MATHEMATICS AND COMPUTATION, cilt.152, sa.1, ss.127-139, 2004 (SCI İndekslerine Giren Dergi)
- L. Dissipative second-order difference operators with general boundary conditions**
Allahverdiev B.
JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, cilt.10, sa.1, ss.1-16, 2004 (SCI İndekslerine Giren Dergi)
- LI. Dilation and functional model of dissipative operator generated by an infinite Jacobi matrix**
Allahverdiev B.
MATHEMATICAL AND COMPUTER MODELLING, cilt.38, sa.10, ss.989-1001, 2003 (SCI İndekslerine Giren Dergi)
- LII. Extensions, dilations and functional models of discrete Dirac operators**
Allahverdiev B.
ILLINOIS JOURNAL OF MATHEMATICS, cilt.47, sa.3, ss.831-845, 2003 (SCI İndekslerine Giren Dergi)
- LIII. Dissipative Sturm-Liouville operators with nonseparated boundary conditions**
Allahverdiev B.
MONATSHEFTE FÜR MATHEMATIK, cilt.140, sa.1, ss.1-17, 2003 (SCI İndekslerine Giren Dergi)
- LIV. Spectral analysis of dissipative Dirac operators with general boundary conditions**
Allahverdiev B.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.283, sa.1, ss.287-303, 2003 (SCI İndekslerine Giren Dergi)
- LV. Extensions, dilations and functional models of discrete Dirac operators in limit point-circle cases**
Allahverdiev B.
IMA JOURNAL OF APPLIED MATHEMATICS, cilt.68, sa.3, ss.251-267, 2003 (SCI İndekslerine Giren Dergi)
- LVI. Extensions of the symmetric operator generated by an infinite Jacobi matrix**
Allahverdiev B.
MATHEMATICAL AND COMPUTER MODELLING, cilt.37, ss.1093-1098, 2003 (SCI İndekslerine Giren Dergi)
- LVII. Spectral analysis of dissipative Schrodinger operators**
Allahverdiev B., CANOGLU A.
PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS, cilt.127, ss.1113-1121, 1997 (SCI İndekslerine Giren Dergi)
- LVIII. On spectral theory non-selfadjoint dirac operator**
MAKSUDOV F., Allahverdiev B.
DOKLADY AKADEMII NAUK, cilt.348, sa.3, ss.305-306, 1996 (SCI İndekslerine Giren Dergi)
- LIX. ON EXTENSIONS OF SYMMETRICAL SCHRODINGER-OPERATORS WITH MATRIX POTENTIALS**
MAKSUDOV F., ALLAKHVERDIEV B.
DOKLADY AKADEMII NAUK, cilt.332, sa.1, ss.18-20, 1993 (SCI İndekslerine Giren Dergi)
- LX. THE SPECTRAL-ANALYSIS OF NONSELF-ADJOINT OPERATOR-VALUED FUNCTIONS WITH A CONTINUOUS POINT SPECTRUM**
MAKSUDOV F., ALLAKHVERDIEV B.
DOKLADY AKADEMII NAUK, cilt.329, sa.1, ss.9-11, 1993 (SCI İndekslerine Giren Dergi)
- LXI. TO THE SPECTRAL THEORY OF THE 2ND-ORDER NONSELF-ADJOINT DIFFERENCE-OPERATORS WITH MATRIX COEFFICIENTS**
MAKSUDOV F., ALLAKHVERDIEV B.
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- LXII. ON THE THEORY OF NONSELFADJOINT OPERATORS OF SCHRODINGER TYPE WITH A MATRIX POTENTIAL**
ALLAKHVERDIEV B.
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- LXIII. **SELF-ADJOINT AND NONSELF-ADJOINT EXTENSIONS OF THE SYMMETRICAL OPERATOR GENERATED BY AN INFINITE JACOBI MATRIX**
ALLAKHVERDIEV B.
MATHEMATICAL NOTES, cilt.50, ss.1093-1097, 1991 (SCI İndekslerine Giren Dergi)
- LXIV. **ON DILATION THEORY AND SPECTRAL-ANALYSIS OF DISSIPATIVE SCHRODINGER-OPERATORS IN WEYL LIMIT-CIRCLE CASE**
ALLAKHVERDIEV B.
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- LXV. **ON THE SPECTRAL THEORY OF DISSIPATIVE DIFFERENCE-OPERATORS OF 2ND-ORDER**
ALLAKHVERDIEV B., GUSEINOV G.
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- LXVI. **ON THE THEORY OF CHARACTERISTIC FUNCTION AND SPECTRAL-ANALYSIS OF SCHRODINGER DISSIPATIVE OPERATOR**
MAKSUDOV F., ALLAKHVERDIEV B.
DOKLADY AKADEMII NAUK SSSR, cilt.303, sa.6, ss.1307-1309, 1988 (SCI İndekslerine Giren Dergi)
- LXVII. **ON DISSIPATIVE EXTENSIONS OF A SYMMETRICAL SCHRODINGER OPERATOR IN WEYL LIMITING CIRCLE CASE**
ALLAKHVERDIEV B.
DOKLADY AKADEMII NAUK SSSR, cilt.293, sa.4, ss.777-781, 1987 (SCI İndekslerine Giren Dergi)
- LXVIII. **SPECTRAL-ANALYSIS OF A NEW CLASS OF NON-SELF-ADJOINT OPERATORS WITH CONTINUOUSLY-POINT SPECTRUM**
MAKSUDOV F., ALLAKHVERDIEV B.
DOKLADY AKADEMII NAUK SSSR, cilt.278, sa.6, ss.1309-1313, 1984 (SCI İndekslerine Giren Dergi)
- LXIX. **OSCILLATION THEOREMS FOR MULTI-PARAMETER SPECTRAL PROBLEMS WITH BOUNDARY-CONDITIONS, DEPENDING ON SPECTRAL PARAMETERS**
ALLAHVERDIEV B., ISAEV G.
IZVESTIYA AKADEMII NAUK AZERBAIDZHANSKOI SSR SERIYA FIZIKO-TEKHNICHESKIKH I MATEMATICHESKIKH NAUK, sa.6, ss.17-23, 1981 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **On square integrable solutions of a Hahn-Dirac system**
PAŞAOĞLU B., TUNA H.
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, 2021 (ESCI İndekslerine Giren Dergi)
- II. **REGULAR FRACTIONAL DIRAC TYPE SYSTEMS**
PAŞAOĞLU B., TUNA H.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, cilt.36, sa.3, ss.489-499, 2021 (ESCI İndekslerine Giren Dergi)
- III. **On Expansion in Eigenfunction for Dirac Systems on the Unbounded Time Scales**
PAŞAOĞLU B., TUNA H.
Differential Equations and Dynamical Systems, 2021 (Diğer Kurumların Hakemli Dergileri)
- IV. **Spectral expansion for singular conformable fractional Dirac systems**
Allahverdiev B., TUNA H.
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, cilt.69, sa.3, ss.1359-1372, 2020 (ESCI İndekslerine Giren Dergi)
- V. **Investigation of the spectrum of singular Sturm-Liouville operators on unbounded time scales**
Allahverdiev B., TUNA H.
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- VI. **One-dimensional conformable fractional Dirac system**
Allahverdiev B., TUNA H.
BOLETIN DE LA SOCIEDAD MATEMATICA MEXICANA, cilt.26, sa.1, ss.121-146, 2020 (ESCI İndekslerine Giren Dergi)
- VII. **EXISTENCE OF SOLUTIONS FOR NONLINEAR SINGULAR q -STURM-LIOUVILLE PROBLEMS**
Allahverdiev B., Tuna H.
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- VIII. **Dissipative q -Dirac Operator**
Allahverdiev B., Tuna H.
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- IX. **Spectral Theory of Singular Hahn Difference Equation of the Sturm-Liouville Type**
Allahverdiev B., Tuna H.
Communications in Mathematics, cilt.28, ss.13-25, 2020 (Diğer Kurumların Hakemli Dergileri)
- X. **q -FRACTIONAL DIRAC TYPE SYSTEMS**
Allahverdiev B., TUNA H.
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI, cilt.24, sa.542, ss.117-130, 2020 (ESCI İndekslerine Giren Dergi)
- XI. **Some properties of the resolvent of sturm-liouville operators on unbounded time scales**
Allahverdiev B., Tuna H.
Mathematica, cilt.61, sa.1, ss.3-21, 2019 (Diğer Kurumların Hakemli Dergileri)
- XII. **Eigenfunction expansion in the singular case for q -Sturm-Liouville operators**
PAŞAOĞLU B., Tuna H.
Caspian Journal of Mathematical Science, cilt.8, sa.2, ss.91-102, 2019 (Diğer Kurumların Hakemli Dergileri)
- XIII. **A SPECTRAL THEORY FOR DISCONTINUOUS STURM-LIOUVILLE PROBLEMS ON THE WHOLE LINE**
PAŞAOĞLU B., Tuna H.
MATEMATICHE, cilt.74, sa.2, ss.235-251, 2019 (Diğer Kurumların Hakemli Dergileri)
- XIV. **NONLINEAR SINGULAR STURM-LIOUVILLE PROBLEMS WITH IMPULSIVE CONDITIONS**
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- XV. **Eigenfunction Expansion in the Singular Case for Dirac Systems on Time Scales**
PAŞAOĞLU B., Tuna H.
Konuralp Journal of Mathematics, cilt.7, sa.1, ss.128-135, 2019 (Diğer Kurumların Hakemli Dergileri)
- XVI. **RESOLVENT OPERATOR OF SINGULAR DIRAC SYSTEM WITH TRANSMISSION CONDITIONS**
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RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI, cilt.23, sa.538, ss.85-105, 2019 (ESCI İndekslerine Giren Dergi)
- XVII. **THE RESOLVENT OPERATOR OF SINGULAR CONFORMABLE FRACTIONAL DIRAC SYSTEM**
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- XVIII. **Spectral analysis of singular Sturm-Liouville operators on time scales**
PAŞAOĞLU B., Tuna H.
Annales Universitatis Mariae Curie-Sklodowska, sectio A-Mathematica, cilt.72, sa.1, ss.1-11, 2018 (Diğer Kurumların Hakemli Dergileri)
- XIX. **Dissipative Extensions of Fourth Order Differential Operators**
Tuna H., PAŞAOĞLU B.
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