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Kişisel Bilgiler

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Eğitim Bilgileri

Bütünleşik Doktora, Azerbaycan Bilimler Akademisi, Matematik, Azerbaycan 1980 - 1985

Lisans, Baku State University Named After S. M. Kirov, Matematik, Azerbaycan 1975 - 1980

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1992 - Devam Ediyor

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2008 - 2011

Verdiği Dersler

İLERİ SAÇILIM TEORİSİ, Doktora, 2021 - 2022

İLERİ ANALİZ I, Lisans, 2022 - 2023

SAÇILIM TEORİSİ, Lisans, 2022 - 2023, 2021 - 2022

SPEKTRAL TEORİ, Lisans, 2021 - 2022

ANALİZ I, Lisans, 2022 - 2023

BİTİRME PROJESİ, Lisans, 2021 - 2022

ANALİZ II, Lisans, 2021 - 2022

DİFERENSİYEL OPERATÖRLERİN SPEKTRAL ANALİZİ I, Doktora, 2022 - 2023

SAÇILIM TEORİSİ, Yüksek Lisans, 2022 - 2023

DİFERENSİYEL OPERATÖRLERİN SPEKTRAL ANALİZİ II, Doktora, 2021 - 2022

SPEKTRAL TEORİ1-2(2.ÖĞR.), Lisans, 2013 - 2014

MATEMATİK 1-2(İSTATİSTİK BÖL.2.ÖĞR.), Lisans, 2013 - 2014

SAÇILMA TEORİSİ1-2, Lisans, 2013 - 2014

SPEKTRAL TEORİ1-2, Lisans, 2013 - 2014

SAÇILMATEORİSİ1-2(2.ÖĞR.), Lisans, 2013 - 2014

KOMP.FONK.TEOR.1-2, Lisans, 2013 - 2014

DİFERENSİYEL OPER.SPEK.ANAL., Yüksek Lisans, 2013 - 2014

ANALİZ 1-2, Lisans, 2013 - 2014

Yönetilen Tezler

BAYRAM E., İmpulsif ayrık Sturm-Liouville denklemlerin saçılım teorisi, Yüksek Lisans, A.AYDOĞDU(Öğrenci), 2021

BAYRAM E., Etkileşim koşuluna sahip Schrödinger denklemi, Doktora, E.YILDIRIM(Öğrenci), 2019

BAYRAM E., Tüm reel eksenlerdeki matris katsayılı operatörlerin spektral analizi, Doktora, Ş.CEBESÖY(Öğrenci), 2017

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BAYRAM E., Sturm-Liouville operatörü için saçılım teorisi, Yüksek Lisans, G.BASAK(Öğrenci), 2015

BAYRAM E., Krein teoremi ve iletim koşullu dissipatif operatörler, Doktora, E.UĞURLU(Öğrenci), 2014

BAYRAM E., Matris katsayılı fark denklemleri, Doktora, Y.AYGAR(Öğrenci), 2013

BAYRAM E., Weyl çemberi durumundaki Sturm-Liouville operatörleri, Yüksek Lisans, P.İPEK(Öğrenci), 2012

BAYRAM E., Dissipatif Sturm-Liouville operatörleri, Yüksek Lisans, E.UĞURLU(Öğrenci), 2010

BAYRAM E., Sınır koşulları spektral parametreye kuadratik bağımlı Sturm-Liouville operatörlerinin spektral teorisi, Doktora, N.YOKUŞ(Öğrenci), 2010

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BAYRAM E., Yarı-sonsuz zaman skalaları üzerinde Sturm-Liouville operatörü, Doktora, A.HÜSEYNOV(Öğrenci), 2010

BAYRAM E., Spectral theory of infinite jacobi matrices, Yüksek Lisans, B.TÜRKER(Öğrenci), 2008

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BAYRAM E., Discret dirac operatörlerinin spektral analizi, Yüksek Lisans, A.AFAT(Öğrenci), 2005

BAYRAM E., Diskret schrödinger operatörlerinin spektral analizi, Yüksek Lisans, A.PATIR(Öğrenci), 2005

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BAYRAM E., Homojen olmayan denklemlerin spektral özellikleri, Doktora, A.AKBULUT(Öğrenci), 2003

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. On the Maximal Subspaces of Discrete Hamiltonian Systems

Uğurlu E., BAYRAM E.

Bulletin of the Malaysian Mathematical Sciences Society, cilt.47, sa.3, 2024 (SCI-Expanded)

II. On the characteristic functions and Dirchlet-integrable solutions of singular left-definite Hamiltonian systems

BAYRAM E., Tas K., Uğurlu E.

Quaestiones Mathematicae, cilt.47, sa.5, ss.983-995, 2024 (SCI-Expanded)

- III. **Scattering problems of impulsive Schrodinger equations with matrix coefficients**
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- IV. **Scattering solutions and scattering function of a Klein-Gordon s-wave equation with jump conditions**
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- V. **Spectral analysis of the impulsive quadratic pencil of Schrodinger operators with spectral singularities**
Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.
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- VI. **Scattering properties of impulsive difference dirac equations**
Solmaz Ş., Bayram E.
TURKISH JOURNAL OF MATHEMATICS, cilt.46, sa.2, ss.397-405, 2022 (SCI-Expanded)
- VII. **Scattering theory of Dirac operator with the impulsive condition on whole axis**
Bairamov E., Solmaz S.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.44, sa.9, ss.7732-7746, 2021 (SCI-Expanded)
- VIII. **On the spectral and scattering properties of eigenparameter dependent discrete impulsive Sturm-Liouville equations**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bairamov E., Ozbey G. G.
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.2, ss.988-1000, 2021 (SCI-Expanded)
- IX. **SERIES EXPANSION, ASYMPTOTIC BEHAVIOR AND COMPUTATION OF THE VALUES OF THE SCHWARZSCHILD-MILNE INTEGRALS ARISING IN A RADIATIVE TRANSFER**
AYGAR KÜÇÜKEVCİLİOĞLU Y., Bairamov E.
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- X. **Scattering Properties of Eigenparameter-Dependent Impulsive Sturm-Liouville Equations**
Bairamov E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Oznur G. B.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.43, sa.3, ss.2769-2781, 2020 (SCI-Expanded)
- XI. **P,T, and PT-symmetries of impulsive Dirac systems**
Bairamov E., Solmaz S., Cebesoy S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.49, sa.4, ss.1234-1244, 2020 (SCI-Expanded)
- XII. **Fourth order differential operators with distributional potentials**
Ugurlu E., Bairamov E.
TURKISH JOURNAL OF MATHEMATICS, cilt.44, sa.3, ss.825-856, 2020 (SCI-Expanded)
- XIII. **Difference equations with a point interaction**
Bayram E., Cebesoy S., Erdal İ.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.42, sa.16, ss.5498-5508, 2019 (SCI-Expanded)
- XIV. **Scattering Theory of Impulsive Sturm-Liouville Equation in Quantum Calculus**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, cilt.42, sa.6, ss.3247-3259, 2019 (SCI-Expanded)
- XV. **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, cilt.9, sa.4, ss.1454-1469, 2019 (SCI-Expanded)
- XVI. **Investigation of Spectrum and Scattering Function of Impulsive Matrix Difference Operators**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.
FILOMAT, cilt.33, sa.5, ss.1301-1312, 2019 (SCI-Expanded)
- XVII. **Spectrum and scattering function of the impulsive discrete Dirac systems**
BAYRAM E., Solmaz S.
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- XVIII. **Spectral properties of an impulsive Sturm-Liouville operator**
Bayram E., Erdal İ., Yardımcı Ş.
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- XIX. **Spectral properties of non-selfadjoint Sturm Liouville operator with operator coefficient**
BAYRAM E., Arpat E. K., MUTLU G.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.456, sa.1, ss.293-306, 2017 (SCI-Expanded)
- XX. **The Spectral Analysis of a Nuclear Resolvent Operator Associated with a Second Order Dissipative Differential Operator**
Ugurlu E., BAYRAM E.
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- XXI. **A note on spectral properties of a Dirac system with matrix coefficient**
AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E., YARDIMCI Ş.
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- XXII. **Scattering Analysis and Spectrum of Discrete Schrodinger Equations with Transmission Conditions**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Karslioglu D.
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- XXIV. **Spectral singularities of the matrix Schrodinger equations**
BAYRAM E., Celiesoy S.
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- XXV. **Spectral analysis of a selfadjoint matrix-valued discrete operator on the whole axis**
BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Cebesoy S.
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- XXVI. **Krein's Theorem for the Dissipative Operators with Finite Impulsive Effects**
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- XXVII. **On the rate of the convergence of the characteristic values of an integral operator associated with a dissipative fourth order differential operator in lim-4 case with finite transmission conditions**
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- XXVIII. **Spectral analysis of eigenparameter dependent boundary value transmission problems**
Ugurlu E., BAYRAM E.
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- XXIX. **Krein's Theorems for a Dissipative Boundary Value Transmission Problem**
BAYRAM E., Ugurlu E.
COMPLEX ANALYSIS AND OPERATOR THEORY, cilt.7, sa.4, ss.831-842, 2013 (SCI-Expanded)
- XXX. **Dissipative operators with impulsive conditions**
Ugurlu E., BAYRAM E.
JOURNAL OF MATHEMATICAL CHEMISTRY, cilt.51, sa.6, ss.1670-1680, 2013 (SCI-Expanded)
- XXXI. **Eigenparameter dependent Sturm-Liouville problems in boundary conditions with transmission conditions**
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- XXXII. **On convergence, asymptotic behaviour and computational algorithm of generalized exponential integral functions arising in a radiative transfer**
BAYRAM E., ÖZALP N.
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- XXXIII. **Just solution and the spectral properties of the matrix-valued difference operators**

AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.

APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.19, ss.9676-9681, 2012 (SCI-Expanded)

- XXXIV. **On the characteristic values of the real component of a dissipative boundary value transmission problem**

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- XXXV. **Selfadjoint extensions of a singular differential operator**

BAYRAM E., Mert R. O., İSMAİLOV Z.

JOURNAL OF MATHEMATICAL CHEMISTRY, cilt.50, sa.5, ss.1100-1110, 2012 (SCI-Expanded)

- XXXVI. **Uniform convergence and numerical computation of the Hubbell radiation rectangular source integral**

BAYRAM E., ÖZALP N.

RADIATION PHYSICS AND CHEMISTRY, cilt.80, sa.12, ss.1312-1315, 2011 (SCI-Expanded)

- XXXVII. **The spectrum of eigenparameter-dependent discrete Sturm-Liouville equations**

BAYRAM E., AYGAR KÜÇÜKEVCİLİOĞLU Y., Koprubasi T.

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- XXXVIII. **Properties of the two-dimensional exponential integral functions**

AYGAR KÜÇÜKEVCİLİOĞLU Y., BAYRAM E.

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- XXXIX. **The determinants of dissipative Sturm-Liouville operators with transmission conditions**

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- XL. **On the eigenvalues of a 3 by 3 non-Hermitian Hamiltonian**

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JOURNAL OF MATHEMATICAL CHEMISTRY, cilt.49, sa.2, ss.609-617, 2011 (SCI-Expanded)

- XLI. **Uniform convergence and computation of the generalized exponential integrals**

ÖZALP N., BAYRAM E.

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- XLII. **Jost Solution and the Spectrum of the Discrete Dirac Systems**

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- XLIII. **Uniform convergence and the properties of the exponential and generalized exponential integral functions**

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- XLIV. **Non-Self-Adjoint Singular Sturm-Liouville Problems with Boundary Conditions Dependent on the Eigenparameter**

BAYRAM E., Seyyidoglu M. S.

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- XLV. **Eigenparameter dependent discrete Dirac equations with spectral singularities**

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- XLVI. **Spectral Singularities of Sturm-Liouville Problems with Eigenvalue-Dependent Boundary Conditions**

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- XLVII. **An eigenvalue problem for quadratic pencils of q-difference equations and its applications**

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- XLVIII. **Discrete spectrum of a general quadratic pencil of Schrodinger equations**

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XLIX. On the spectrum of the difference equations of second order

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L. The structure of the spectrum of a system of difference equations

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LI. Jost solutions and the spectrum of the system of difference equations

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LII. Spectral properties of the nonhomogeneous Klein-Gordon s-wave equations

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LIII. Spectral properties of a finite system of Sturm-Liouville differential operators

BAYRAM E., Kir E.

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LV. Spectral singularities of the nonhomogeneous Sturm-Liouville equations

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LIX. Dissipative operators generated by the Sturm-Liouville differential expression in the Weyl limit circle case

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LX. Spectral analysis of non-selfadjoint discrete Schrodinger operators with spectral singularities

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LXI. Non-selfadjoint difference operators and Jacobi matrices with spectral singularities

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- LXV. **An eigenfunction expansion for a quadratic pencil of a Schrodinger operator with spectral singularities**
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- LXVI. **Quadratic pencil of Schrodinger operators with spectral singularities: Discrete spectrum and principal functions**
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- LXVII. **Spectral properties of the Klein-Gordon s-wave equation with complex potential**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **On Dirichlet-integrable solutions of left-definite Hamiltonian systems**
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- II. **SPECTRUM AND SYMMETRIES OF THE IMPULSIVE DIFFERENCE EQUATIONS**
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- III. **Scattering Function and The Resolvent of The Impulsive Boundary Value Problem**
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- IV. **On singular dissipative fourth order differential operator in $\lim_{n \rightarrow \infty} 4$ case**
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- V. **Spectral analysis of nonselfadjoint Schrödinger operators with spectral parameter in boundary conditions**
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Kitap & Kitap Bölümleri

- I. **Spectral properties and scattering problems of eigenparameter dependent impulsive Sturm-Liouville Equations**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Impulsive discrete Dirac equation with spectral parameter**
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