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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 128351

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri, Türkiye 1998 - 2003

Yüksek Lisans, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 1996 - 1998

Lisans, Ankara Üniversitesi, Dijital Fabrika Teknolojileri Programı, Matematik, Türkiye 1990 - 1995

Araştırma Alanları

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

Akademik Unvanlar / Görevler

Prof. Dr., Akdeniz Üniversitesi, Fen Fakültesi, Matematik, 2015 - Devam Ediyor

Doç. Dr., Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2015

Yrd. Doç. Dr., Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2003 - 2009

Araştırma Görevlisi, Ankara Üniversitesi, Dijital Fabrika Teknolojileri Programı, Matematik, 1998 - 2003

Araştırma Görevlisi, Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1995 - 1998

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. An improved oscillation theorem for nonlinear delay differential equations

Kılıç N., ÖCALAN Ö., Yıldız M. K.

Applied Mathematics and Computation, cilt.478, 2024 (SCI-Expanded)

II. A NEW OSCILLATION RESULT FOR NONLINEAR DIFFERENTIAL EQUATIONS WITH NONMONOTONE DELAY

Kılıç N., ÖCALAN Ö.

Miskolc Mathematical Notes, cilt.24, sa.2, ss.841-851, 2023 (SCI-Expanded)

III. Upper and lower limit oscillation conditions for first-order difference equations

ÖCALAN Ö.

Proceedings of the Edinburgh Mathematical Society, cilt.65, sa.3, ss.618-631, 2022 (SCI-Expanded)

IV. Oscillation criteria for first-order dynamic equations with nonmonotone delays

Kılıç N., ÖCALAN Ö.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.50, sa.2, ss.318-325, 2021 (SCI-Expanded)

V. An improved oscillation criteria for first order dynamic equations

ÖCALAN Ö.

- TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.1, ss.487-495, 2021 (SCI-Expanded)
- VI. **Solutions to Conjectures on a Nonlinear Recursive Equation**
 ÖCALAN Ö., Duman O.
 CZECHOSLOVAK MATHEMATICAL JOURNAL, cilt.70, sa.3, ss.867-880, 2020 (SCI-Expanded)
- VII. **Oscillation of first-order dynamic equations with nonmonotone delay**
 ÖCALAN Ö.
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.43, sa.7, ss.3954-3964, 2020 (SCI-Expanded)
- VIII. **Oscillatory Behavior of Advanced Difference Equations with General Arguments**
 ÖCALAN S., ÖCALAN Ö., Yıldız M. K.
 FILOMAT, cilt.34, sa.12, ss.4161-4169, 2020 (SCI-Expanded)
- IX. **Oscillation analysis for nonlinear difference equation with non-monotone arguments**
 Ocalan O., ÖZKAN U. M., YILDIZ M. K.
 ADVANCES IN DIFFERENCE EQUATIONS, cilt.2018, 2018 (SCI-Expanded)
- X. **An improved oscillation criterion for first order difference equations**
 ÖCALAN Ö.
 BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, cilt.59, sa.1, ss.65-73, 2016 (SCI-Expanded)
- XI. **Oscillation of differential equations with non-monotone retarded arguments**
 CHATZARAKIS G. E., ÖCALAN Ö.
 LMS JOURNAL OF COMPUTATION AND MATHEMATICS, cilt.19, sa.1, ss.98-104, 2016 (SCI-Expanded)
- XII. **New oscillation tests and some refinements for first-order delay dynamic equations**
 KARPUZ B., ÖCALAN Ö.
 TURKISH JOURNAL OF MATHEMATICS, cilt.40, sa.4, ss.850-863, 2016 (SCI-Expanded)
- XIII. **An Oscillation Criterion for First Order Difference Equations**
 Ocalan O., Ozturk S. S.
 RESULTS IN MATHEMATICS, cilt.68, sa.1-2, ss.105-116, 2015 (SCI-Expanded)
- XIV. **Oscillations of difference equations with non-monotone retarded arguments**
 CHATZARAKIS G. E., Ocalan O.
 APPLIED MATHEMATICS AND COMPUTATION, cilt.258, ss.60-66, 2015 (SCI-Expanded)
- XV. **Oscillations of differential equations with several non-monotone advanced arguments**
 CHATZARAKIS G. E., Ocalan O.
 DYNAMICAL SYSTEMS-AN INTERNATIONAL JOURNAL, cilt.30, sa.3, ss.310-323, 2015 (SCI-Expanded)
- XVI. **Dynamics of the difference equation $x(n+1) = p(n) + xn-kx(n)$ with a period-two coefficient**
 Ocalan O.
 APPLIED MATHEMATICS AND COMPUTATION, cilt.228, ss.31-37, 2014 (SCI-Expanded)
- XVII. **Global Asymptotic Stability of a Nonautonomous Difference Equation**
 Gumus M., Ocalan O.
 JOURNAL OF APPLIED MATHEMATICS, cilt.2014, 2014 (SCI-Expanded)
- XVIII. **Some Notes on the Difference Equation $x_{n+1} = \alpha + (x_{n-1}/x(n))^{(k)}$**
 Gumus M., Ocalan O.
 DISCRETE DYNAMICS IN NATURE AND SOCIETY, cilt.2012, 2012 (SCI-Expanded)
- XIX. **On the Dynamics of the Recursive Sequence $x_{n+1} = \alpha + x_n - k(p)/x(n)(q)$**
 Gumus M., Ocalan O., Felah N. B.
 DISCRETE DYNAMICS IN NATURE AND SOCIETY, cilt.2012, 2012 (SCI-Expanded)
- XX. **COMPARISON CRITERIA FOR THE OSCILLATION OF MIXED-TYPE IMPULSIVE DIFFERENCE EQUATIONS WITH CONTINUOUS ARGUMENTS**
 KARPUZ B., Ocalan O., Ozturk S.
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.40, sa.2, ss.265-272, 2011 (SCI-Expanded)
- XXI. **Oscillation of first-order impulsive difference equations with continuous arguments**
 KARPUZ B., Ocalan O., Ozturk S.
 JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, cilt.12, sa.2, ss.539-543, 2010 (SCI-Expanded)

- XXII. **COMPARISON THEOREMS ON THE OSCILLATION OF A CLASS OF NEUTRAL DIFFERENCE EQUATIONS WITH CONTINUOUS VARIABLES**
KARPUZ B., Ocalan O.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.47, sa.2, ss.401-409, 2010 (SCI-Expanded)
- XXIII. **COMPARISON THEOREMS ON THE OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF HIGHER-ORDER NEUTRAL DIFFERENTIAL EQUATIONS**
KARPUZ B., Ocalan O., Ozturk S.
GLASGOW MATHEMATICAL JOURNAL, cilt.52, ss.107-114, 2010 (SCI-Expanded)
- XXIV. **Further oscillation criteria for partial difference equations with variable coefficients**
KARPUZ B., Ocalan O.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.59, sa.1, ss.55-63, 2010 (SCI-Expanded)
- XXV. **Necessary and sufficient conditions on asymptotic behaviour of solutions of forced neutral delay dynamic equations**
KARPUZ B., Ocalan O.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.71, sa.7-8, ss.3063-3071, 2009 (SCI-Expanded)
- XXVI. **OSCILLATION AND NONOSCILLATION OF FIRST-ORDER DYNAMIC EQUATIONS WITH POSITIVE AND NEGATIVE COEFFICIENTS**
KARPUZ B., Ocalan O.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.18, sa.3-4, ss.363-374, 2009 (SCI-Expanded)
- XXVII. **Oscillation criteria for a class of second-order neutral delay differential equations**
KARPUZ B., Manojlovic J. V., Ocalan O., Shoukaku Y.
APPLIED MATHEMATICS AND COMPUTATION, cilt.210, sa.2, ss.303-312, 2009 (SCI-Expanded)
- XXVIII. **Oscillation of a class of difference equations of second order**
KARPUZ B., Ocalan O., Yildiz M. K.
MATHEMATICAL AND COMPUTER MODELLING, cilt.49, sa.5-6, ss.912-917, 2009 (SCI-Expanded)
- XXIX. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE OSCILLATORY AND ASYMPTOTIC BEHAVIOUR OF SOLUTIONS TO NEUTRAL DELAY DYNAMIC EQUATIONS**
KARPUZ B., Ocalan O., RATH R.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.2009, ss.1-15, 2009 (SCI-Expanded)
- XXX. **Existence of positive solutions for a neutral differential equation with positive and negative coefficients**
Ocalan O.
APPLIED MATHEMATICS LETTERS, cilt.22, sa.1, ss.84-90, 2009 (SCI-Expanded)
- XXXI. **Oscillation of higher-order nonlinear delay differential equations with oscillatory coefficients**
KARPUZ B., Ocalan O., Yildiz M. K.
TURKISH JOURNAL OF MATHEMATICS, cilt.33, sa.3, ss.259-263, 2009 (SCI-Expanded)
- XXXII. **Oscillation of nonlinear neutral delay differential equations of second-order with positive and negative coefficients**
Yildiz M. K., KARPUZ B., Ocalan O.
TURKISH JOURNAL OF MATHEMATICS, cilt.33, sa.4, ss.341-350, 2009 (SCI-Expanded)
- XXXIII. **Oscillation analysis of neutral difference equations with delays**
Ocalan O., Duman O.
CHAOS SOLITONS & FRACTALS, cilt.39, sa.1, ss.261-270, 2009 (SCI-Expanded)
- XXXIV. **Iterated Oscillation Criteria for Delay Dynamic Equations of First Order**
BOHNER M., KARPUZ B., Ocalan O.
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2008, 2008 (SCI-Expanded)
- XXXV. **ON THE OSCILLATION OF NONLINEAR NEUTRAL DIFFERENTIAL EQUATION WITH POSITIVE AND NEGATIVE COEFFICIENTS**
Ocalan O., Yildiz M. K., KARPUZ B.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.17, sa.3-4, ss.667-675, 2008 (SCI-Expanded)
- XXXVI. **Oscillation of forced neutral differential equations with positive and negative coefficients**

- Ocalan O.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.54, sa.11-12, ss.1411-1421, 2007 (SCI-Expanded)
- XXXVII. **Oscillation of neutral differential equation with positive and negative coefficients**
Ocalan O.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.331, sa.1, ss.644-654, 2007 (SCI-Expanded)
- XXXVIII. **Oscillation results for higher order nonlinear neutral delay difference equations**
YILDIZ M. K., Ocalan O.
APPLIED MATHEMATICS LETTERS, cilt.20, sa.3, ss.243-247, 2007 (SCI-Expanded)
- XXXIX. **Oscillation of difference equations with variable coefficients**
ÖCALAN Ö.
Portugaliae Mathematica, cilt.63, sa.4, ss.407-414, 2006 (SCI-Expanded)
- XL. **Oscillations of higher-order of systems of difference equations**
Ocalan O., AKIN O.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.36, sa.7, ss.349-360, 2005 (SCI-Expanded)
- XLI. **Oscillations of the system of linear nonautonomous difference equations**
Ocalan O., AKIN O.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.283, sa.1, ss.213-218, 2003 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **AN IMPROVED OSCILLATION THEOREM FOR NONLINEAR DIFFERENTIAL EQUATIONS OF ADVANCED TYPE**
Kılıç N., ÖCALAN Ö., Yıldız M. K.
Archivum Mathematicum, cilt.60, sa.3, ss.145-152, 2024 (ESCI)
- II. **Sufficient oscillation conditions for dynamic equations with nonmonotone delays**
ÖCALAN Ö., KILIÇ N.
Journal of Applied Mathematics and Informatics, cilt.40, ss.843-856, 2022 (Scopus)
- III. **An improvement for oscillation of first order difference equations**
ÖCALAN Ö.
Palestine Journal of Mathematics, cilt.11, sa.3, ss.455-461, 2022 (Scopus)
- IV. **OSCILLATION RESULTS FOR SYSTEM OF DIFFERENTIAL EQUATIONS WITH SEVERAL DELAY TERMS**
ÖCALAN Ö.
Electronic Journal of Mathematical Analysis and Applications, cilt.9, sa.2, ss.99-105, 2021 (Hakemli Dergi)
- V. **Oscillation Tests For Nonlinear Differential Equations With Several Nonmonotone Advanced Arguments**
Kilic N., ÖCALAN Ö., ÖZKAN U. M.
APPLIED MATHEMATICS E-NOTES, cilt.21, ss.253-262, 2021 (ESCI)
- VI. **Oscillatory behavior for nonlinear delay differential equation with several non-monotone arguments**
ÖCALAN Ö., Kilic N., Ozkan U. M., Ozturk S.
COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, cilt.8, sa.1, ss.14-27, 2020 (ESCI)
- VII. **Oscillation Criteria for Difference Equations with Several Arguments**
Kılıç N., ÖCALAN Ö.
INTERNATIONAL JOURNAL OF DIFFERENCE EQUATIONS, cilt.15, sa.1, ss.109-119, 2020 (Scopus)
- VIII. **Oscillation analysis for higher order difference equation with non-monotone arguments**
ÖCALAN Ö., ÖZKAN U. M.
Journal Of Computational Analysis And Applications, cilt.27, ss.781-789, 2019 (Scopus)
- IX. **On solutions of the recursive equations $x_{n1}=x_{n-1}\{p\}/x_n\{p\}$ (p_0) via Fibonacci-type sequences**
ÖCALAN Ö., DUMAN O.
Electron. J. Math. Anal. Appl., cilt.7, sa.1, ss.102-115, 2019 (Hakemli Dergi)

- X. OSCILLATORY BEHAVIOR OF NONLINEAR ADVANCED DIFFERENTIAL EQUATIONS WITH A NON-MONOTONE ARGUMENT
Ocalan O., Kilic N., Ozkan U. M.
ACTA MATHEMATICA UNIVERSITATIS COMENIANAE, cilt.88, sa.2, ss.239-246, 2019 (ESCI)
- XI. THE QUALITATIVE ANALYSIS OF A RATIONAL SYSTEM OF DIFFERENCE EQUATIONS
GÜMÜŞ M., ÖCALAN Ö.
Journal of Fractional Calculus and Applications, cilt.9, sa.2, ss.113-126, 2018 (Hakemli Dergi)
- XII. OSCILLATION CRITERIA FOR DELAY DYNAMIC EQUATIONS ON TIME SCALES
ÖCALAN Ö., ÖZTÜRK S.
Electronic Journal of Mathematical Analysis and Applications, cilt.6, sa.2, ss.51-59, 2018 (Hakemli Dergi)
- XIII. Oscillation of Nonlinear Delay Differential Equation with Non-Monotone Arguments
ÖCALAN Ö., Kılıç N., ÖZTÜRK S., ÖZKAN U. M.
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, cilt.14, sa.2, ss.147-154, 2017 (ESCI)
- XIV. Dynamical Behavior of a Third-Order Difference Equation with Arbitrary Powers
Gumus M., ABO-ZEID R., ÖCALAN Ö.
KYUNGPOOK MATHEMATICAL JOURNAL, cilt.57, sa.2, ss.251-263, 2017 (ESCI)
- XV. Oscillations of dynamic equations on time scales with advanced arguments
ÖCALAN Ö., Ozkan U. M.
INTERNATIONAL JOURNAL OF DYNAMICAL SYSTEMS AND DIFFERENTIAL EQUATIONS, cilt.6, sa.4, ss.275-284, 2016 (ESCI)
- XVI. Global analysis of a non autonomous difference equation with bounded coefficient
ÖCALAN Ö., GÜMÜŞ M.
Electron. J. Math. Anal. Appl., cilt.4, sa.1, ss.184-191, 2016 (Hakemli Dergi)
- XVII. Oscillations for differential equations with several deviating arguments
CHATZARAKIS G. E., ÖCALAN Ö., ÖZTÜRK S.
Pacific Journal of Applied Mathematics, cilt.7, ss.119-131, 2015 (Hakemli Dergi)
- XVIII. Iterated oscillation criteria for delay partial difference equations
KARPUZ B., ÖCALAN Ö.
MATHEMATICA BOHEMICA, cilt.139, sa.3, ss.437-450, 2014 (Scopus)
- XIX. Global behavior test for a nonlinear difference equation with a period-two coefficient
ÖCALAN Ö., ÖĞÜNMEZ H., GÜMÜŞ M.
Dyn. Contin. Discrete Impuls. Syst. Ser. A Math. Anal., cilt.21, sa.3-4, ss.307-316, 2014 (Hakemli Dergi)
- XX. Global dynamics of a non autonomous rational difference equation
ÖCALAN Ö.
JOURNAL OF APPLIED MATHEMATICS & INFORMATICS, cilt.32, sa.5-6, ss.843-848, 2014 (Hakemli Dergi)
- XXI. Oscillation of delay dynamic equations with oscillating coefficients
KARPUZ B., ÖCALAN Ö.
Differential Equations & Applications, cilt.5, sa.3, ss.331-339, 2013 (ESCI)
- XXII. Oscillation of Higher Order Systems of Differential Equations
ÖĞÜNMEZ H., ÖCALAN Ö.
International Journal of Mathematical Analysis, cilt.7, sa.15, ss.735-740, 2013 (Hakemli Dergi)
- XXIII. Oscillation Results for Odd Order Difference Equations
ÖĞÜNMEZ H., ÖCALAN Ö.
Global Journal of Pure and Applied Mathematics, cilt.9, ss.205-214, 2013 (Hakemli Dergi)
- XXIV. New Oscillation Criteria for System of Difference Equations
ÖĞÜNMEZ H., ÖCALAN Ö.
Far East Journal of Mathematical Sciences, cilt.72, sa.1, ss.109-116, 2013 (Hakemli Dergi)
- XXV. Oscillation of difference equations with several positive and negative coefficients
ÖĞÜNMEZ H., ÖCALAN Ö.
Fasciculi Mathematici, cilt.51, ss.115-122, 2013 (Hakemli Dergi)
- XXVI. Oscillation of neutral differential equations with distributed deviating arguments

- CANDAN T., KARPUZ B., ÖCALAN Ö.
 Journal of Mathematical Sciences, cilt.187, sa.4, ss.444-457, 2012 (Scopus)
- XXVII. **Oscillation criteria for a class of first order forced differential equations under impulse effects**
 KARPUZ B., ÖCALAN Ö.
 Advances in Dynamical Systems and Applications, cilt.7, ss.205-218, 2012 (Scopus)
- XXVIII. **Asymptotic behavior of a higher order recursive sequence**
 ÖCALAN Ö.
 Int. J. Difference Equ., cilt.7, sa.2, ss.175-180, 2012 (Scopus)
- XXIX. **Oscillation and nonoscillation in neutral delay dynamic equations with positive and negative coefficients**
 KARPUZ B., ÖCALAN Ö.
 Communications in Applied Analysis, cilt.16, ss.113-129, 2012 (Hakemli Dergi)
- XXX. **Oscillation results of higher order nonlinear neutral delay differential equations**
 YILDIZ M. K., ÖCALAN Ö.
 SELÇUK JOURNAL OF APPLIED MATHEMATICS, cilt.11, ss.55-62, 2010 (Hakemli Dergi)
- XXXI. **A generalization of Opial's inequality and applications to second order dynamic equations**
 KARPUZ B., KAYMAKÇALAN B., ÖCALAN Ö.
 Differential Equations and Dynamical Systems, cilt.18, ss.11-18, 2010 (Scopus)
- XXXII. **Linearized oscillation of nonlinear difference equations with advanced arguments**
 ÖCALAN Ö.
 Archivum Mathematicum, cilt.45, sa.3, ss.203-212, 2009 (Scopus)
- XXXIII. **Oscillation for higher order sublinear delay difference equation**
 YILDIZ M. K., ÖCALAN Ö.
 Applied Mathematics E-NOTES, cilt.9, ss.63-71, 2009 (Scopus)
- XXXIV. **Oscillation criteria for some classes of linear delay differential equations of first order**
 KARPUZ B., ÖCALAN Ö.
 Bull. Inst. Math. Acad. Sin. (N.S.), cilt.3, ss.293-314, 2008 (Hakemli Dergi)
- XXXV. **Discrete approach on oscillation of difference equations with continuous variable**
 KARPUZ B., ÖCALAN Ö.
 Advances in Dynamical Systems and Applications, cilt.3, ss.283-290, 2008 (Scopus)
- XXXVI. **Oscillation of higher order of system of difference equations with continuous arguments**
 ÖCALAN Ö., ÖZKAN U. M.
 Selçuk J. Appl. Math., cilt.9, sa.1, ss.23-29, 2008 (Hakemli Dergi)
- XXXVII. **Oscillation of nonlinear difference equations with several coefficients**
 ÖCALAN Ö.
 Commun. Math. Anal., cilt.4, sa.1, ss.35-44, 2008 (Hakemli Dergi)
- XXXVIII. **Oscillation properties for advanced difference equations**
 ÖCALAN Ö., AKIN Ö.
 Novi Sad Journal of Mathematics, cilt.37, sa.1, ss.39-47, 2007 (Scopus)
- XXXIX. **Oscillation criteria for systems of difference equations with variable coefficients**
 ÖCALAN Ö.
 Appl. Math. E-NOTES, cilt.6, sa.2006, ss.119-125, 2006 (Scopus)
- XL. **Oscillations of difference equations with several terms**
 ÖCALAN Ö.
 KYUNGPOOK MATHEMATICAL JOURNAL, cilt.46, sa.4, ss.573-580, 2006 (ESCI)

Metrikler

Yayın: 81

Atıf (WoS): 201

Atıf (Scopus): 255

H-İndeks (WoS): 8

H-İndeks (Scopus): 9