

MATEMATİK 1, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020

Lineer Cebir, Lisans, 2021 - 2022

MATEMATİK 2, Lisans, 2020 - 2021, 2019 - 2020

Diferansiyel Denklemler, Lisans, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Construction of periodic and solitary wave solutions for the complex nonlinear evolution equations**
ÇEVİKEL A. C., Bekir A., San S., GÜCEN M. B.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.351, sa.2, ss.694-700, 2014 (SCI-Expanded)
- II. **Practical stability in terms of two measures for fractional order dynamic systems in Caputo's sense with initial time difference**
Cicek M., Yakar C., GÜCEN M. B.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.351, sa.2, ss.732-742, 2014 (SCI-Expanded)
- III. **Initial time difference stability of causal differential systems in terms of Lyapunov functions and Lyapunov functionals**
Yakar C., GÜCEN M. B.
Journal of Applied Mathematics, cilt.2014, 2014 (SCI-Expanded)
- IV. **Practical stability, boundedness criteria and Lagrange stability of fuzzy differential systems**
Yakar C., Cicek M., Gucen M. B.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.64, sa.6, ss.2118-2127, 2012 (SCI-Expanded)
- V. **Boundedness and Lagrange stability of fractional order perturbed system related to unperturbed systems with initial time difference in Caputo's sense**
Yakar C., Cicek M., GÜCEN M. B.
ADVANCES IN DIFFERENCE EQUATIONS, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Strict Stability of Fuzzy Differential Equations by Lyapunov Functions**
Gücen M. B., Yakar C.
International Journal of Computer and Information Engineering, cilt.12, ss.315-319, 2018 (Hakemli Dergi)
- II. **Strict Stability Criteria of Unperturbed Systems with Initial Time Difference**
Gücen M. B., Yakar C.
Journal of Concrete and Applicable Mathematics, cilt.9, sa.3, ss.213-222, 2011 (Hakemli Dergi)
- III. **A Special Application Of The Power Series Expansion Method To Nonlinear Fractional Order Differential Equations**
GÜCEN M. B.
Nonlinear Science Letters A, cilt.2, sa.1, ss.47-52, 2011 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Initial Time Difference Strict Stability of Fractional Dynamic Systems**
Yakar C., Gücen M. B.
Fractional Dynamics and Control, Dumitru Baleanu, José António Tenreiro Machado, Albert C. J. Luo, Editör, Springer, London/Berlin , New-York, ss.133-144, 2012
- II. **Strict Stability of Fractional Perturbed Systems in Terms of Two Measures**

Yakar C., Gücen M. B., Çiçek M.

Fractional Dynamics and Control, Dumitru Baleanu, José António Tenreiro Machado, Albert C. J. Luo, Editör,
Springer, London/Berlin , New-York, ss.119-132, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Diabetes Data Analysis via Gaussian Membership Functions with Deep Neural Networks**
GÜCEN M. B., Aykut Karaboga H.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara,
Türkiye, 11 - 13 Ekim 2019
- II. **Initial Time Difference Stability of Fuzzy Differential Equations By Lyapunov Functions**
Gücen M. B., Yakar C.
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians including
Minisymposium on Approximation Theory and Minisymposium on Mathematics Education(ICOMATH 2018),
İstanbul, Türkiye, 3 - 06 Temmuz 2018, ss.1-2
- III. **Practical Stability Analyses of Fuzzy Dynamic Systems of Perturbed Systems with respect to
Unperturbed Systems with Initial Time Difference**
Gücen M. B., Yakar C.
", International Conference on Mathematics: An Istanbul Meeting for World Mathematicians including
Minisymposium on Approximation Theory and Minisymposium on Mathematics Education(ICOMATH 2018),
İstanbul, Türkiye, 3 - 06 Temmuz 2018, ss.1-2
- IV. **Strict Stability of Fuzzy Differential Equations by Lyapunov Functions**
Gücen M. B., Yakar C.
20th International Conference on Fuzzy Systems and Neural Computing, Berlin, Almanya, 21 - 22 Mayıs 2018,
ss.2327-2331
- V. **Strict Stability of Unperturbed Fuzzy Differential Equations**
Gücen M. B., Yakar C.
", INTERNATIONAL CONFERENCE on MATHEMATICAL ADVANCES and APPLICATIONS (ICOMAA2018), İstanbul,
Türkiye, 11 - 13 Mayıs 2018, ss.1-2
- VI. **Practical Stability Analyses of Nonlinear Fuzzy Dynamic Systems of Unperturbed Systems with Initial
Time Difference**
Gücen M. B., Yakar C.
Algebraic Hyperstructures and its Applications Conference(AHA 2017), İstanbul, Türkiye, 24 - 27 Temmuz 2017,
ss.1-2
- VII. **Stability analysis of nonlinear fuzzy dynamic systems of unperturbed systems with initial time
difference**
Gücen M. B., Yakar C.
2nd International Conference on Pure & Applied Science, İstanbul, Türkiye, 1 - 05 Haziran 2016, ss.1
- VIII. **Soyut Uzaylarda Sabitlerin Değişimi ve Başlangıç Zaman Farklı bir Uygulama**
GÜCEN M. B., YAKAR C.
8. ANKARA MATEMATİK GÜNLERİ, 01 Haziran 2013
- IX. **Strict Stability Criteria of Fractional Order Differential Equations in Caputo' s Sense**
GÜCEN M. B., YAKAR C.
ICAAA 2011, 01 Temmuz 2011, cilt.1, ss.209
- X. **Practical Stability In Terms Of Two Measures For Fractional Order Dynamic Systems In Caputo's
Sense With Initial Time Difference**
Gücen M. B., Yakar C., Çiçek M.
ICAAA 2011, İstanbul, Türkiye, 29 - 30 Haziran 2011, ss.1-2
- XI. **Construction Of Periodic And Solitary Wave Solutions For The Complex Nonlinear Evolution
Equations**

- Gücen M. B., Çevikel A. C., San S., Bekir A.
ICAAA 2011, İstanbul, Türkiye, 29 - 30 Haziran 2011, ss.1-2
- XII. **Caputo Anlamında Başlangıç Zaman Farklı Fraksiyonel Dinamik Sistemler için Lagrange Kararlılık ve Sınırlılık Kriteri**
Yakar C., Gücen M. B., Çiçek M.
6. AMG 2011, Ankara, Türkiye, 2 - 03 Haziran 2011, ss.1-2
- XIII. **Strict Stability Criteria of Unperturbed Systems with Initial Time Difference**
Gücen M. B., Yakar C.
Third International Interdisciplinary Chaos Symposium on Chaos and Complex Systems, İstanbul, Türkiye, 21 - 24 Mayıs 2010, ss.1-4
- XIV. **Strict Stability Criteria of Fractional Order Differential Equations in Caputo's Sense in Terms of Two Measures with Initial Time Diference**
Gücen M. B., Yakar C., Çiçek M.
Conference on New Trends in Nanotechnology and Nonlinear Dynamical Systems, Ankara, Türkiye, 25 - 27 Temmuz 2010, ss.1-8
- XV. **Lineer Olmayan Diferansiyel Denklemler için Başlangıç Zaman Farklı Sınırlılık ve Lagrange Stabilite Kriteri**
Gücen M. B., Yakar C., Çiçek M.
XXIII. Ulusal Matematik Sempozyumu. UMS23 , Kayseri, Türkiye, 4 - 07 Ağustos 2010, ss.1-2
- XVI. **Initial Time Difference Strict Stability Criteria of Fractional Order Differential Equations in Caputo's Sense at Çankaya University Department of Mathematics. Ankara, Turkey. 25 – 27 July, 2010.**
Gücen M. B., Yakar C.
Conference on New Trends in Nanotechnology and Nonlinear Dynamical Systems, NTNDS10, Ankara, Türkiye, 25 - 27 Temmuz 2010, ss.1-2
- XVII. **Pertörb Olmayan Sistemlerin Başlangıç Zaman Farklı İki Ölçü Cinsinden Kesin Kararlılık Kriterleri**
Gücen M. B., Yakar C.
V. Ankara Matematik Günleri Ulusal Matematik Sempozyumu, Ankara, Türkiye, 3 - 04 Haziran 2010, ss.1-2

Bilimsel Hakemlikler

The Journal of The Franklin Institute, SSCI Kapsamındaki Dergi, Mart 2016

Metrikler

Yayın: 27
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H-İndeks (Scopus): 4

Kongre ve Sempozyum Katılımı Faaliyetleri

13th Algebraic Hyperstructures and its Applications Conference, Katılımcı, İstanbul, Türkiye, 2017
2nd International Conference on Pure and Applied Sciences, Katılımcı, İstanbul, Türkiye, 2016