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Yoksis Araştırmacı ID: [175841](https://yoksis.istanbul.edu.tr/yoksis/175841)

Eğitim Bilgileri

Doktora, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 2010 - 2019

Yüksek Lisans, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 2007 - 2010

Lisans, İstanbul Üniversitesi, Fen Fakültesi, Matematik, Türkiye 2003 - 2007

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Zaman Gecikmeli ve Belirsiz Yapay Sinir Ağlarının Kararlılık Analizi, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Matematik/Matematik, 2019

Yüksek Lisans, GENELLEŞTİRİLMİŞ LİNEER MODELLERDE MODEL SEÇİMİ ÜZERİNE ALTERNATİF BİR YAKLAŞIM, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2010

Araştırma Alanları

Diferansiyel denklemler, Dinamik Sistemler ve Ergodik Kuramı, Doğrusal ve Çoklu Doğrusal Cebir, Matris Kuramı, Sistem Kuramı: Kontrol

Akademik Unvanlar / Görevler

Doç. Dr., İstanbul Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2022 - Devam Ediyor

Dr. Öğr. Üyesi, İstanbul Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2020 - 2022

Araştırma Görevlisi, İstanbul Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2009 - 2019

Akademik İdari Deneyim

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The combined Lyapunov functionals method for stability analysis of neutral Cohen–Grossberg neural networks with multiple delays**
FAYDASIÇOK Ö., ARIK S.
Neural Networks, cilt.180, 2024 (SCI-Expanded)
- II. **Sampled-data control for Markovian switching neural networks with output quantization and packet dropouts**
Chen Y., Zhang X., Yan Z., FAYDASIÇOK Ö., ARIK S.
Journal of the Franklin Institute, cilt.361, sa.18, 2024 (SCI-Expanded)
- III. **Robust stability of dynamical neural networks with multiple time delays: a review and new results**
Aktas E., FAYDASIÇOK Ö., ARIK S.
Artificial Intelligence Review, cilt.56, ss.1647-1684, 2023 (SCI-Expanded)
- IV. **A general framework for robust stability analysis of neural networks with discrete time delays**
Solak M., FAYDASIÇOK Ö., ARIK S.
Neural Networks, cilt.162, ss.186-198, 2023 (SCI-Expanded)
- V. **A novel Lyapunov stability analysis of neutral-type Cohen–Grossberg neural networks with multiple delays**
Faydasıçok Ö., Arık S.
NEURAL NETWORKS, cilt.155, ss.330-339, 2022 (SCI-Expanded)
- VI. **NOVEL CRITERIA FOR ROBUST STABILITY OF COHEN-GROSSBERG NEURAL NETWORKS WITH MULTIPLE TIME DELAYS**
Faydasıçok Ö., Arık S., Ketencigil M. M.
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S, ss.1-15, 2022 (SCI-Expanded)
- VII. **DEEP NEURAL NETWORKS AS A TOOL TO ESTIMATION OF COSMIC RADIATION DOSE RECEIVED ON FLIGHT**
YILMAZ A., YILMAZ ALAN H., FAYDASIÇOK Ö., Susam L., Samli R., AKKUŞ B., Erol A., GÜDEKLİ E., İnci C. I., EMİRHAN M. E.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, cilt.84, sa.2, ss.187-202, 2022 (SCI-Expanded)
- VIII. **ESTIMATION OF COSMIC RADIATION DOSE RECEIVED ON FLIGHT BY MEANS OF DIFFERENT MACHINE LEARNING METHODS AND CARI-7A CALCULATIONS**
YILMAZ ALAN H., YILMAZ ALAN H., FAYDASIÇOK Ö., Susam L., ŞAMLI R., AKKUŞ B., Erol A., GÜDEKLİ E., İnci Ç. İ., EMİRHAN M. E.
Romanian Journal of Physics, cilt.67, sa.1-2, 2022 (SCI-Expanded)
- IX. **FURTHER STABILITY ANALYSIS OF NEUTRAL-TYPE COHEN-GROSSBERG NEURAL NETWORKS WITH MULTIPLE DELAYS**
FAYDASIÇOK Ö.
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S, cilt.14, sa.4, ss.1245-1258, 2021 (SCI-Expanded)
- X. **An improved Lyapunov functional with application to stability of Cohen-Grossberg neural networks of neutral-type with multiple delays**
FAYDASIÇOK Ö.
NEURAL NETWORKS, cilt.132, ss.532-539, 2020 (SCI-Expanded)
- XI. **A new Lyapunov functional for stability analysis of neutral-type Hopfield neural networks with multiple delays**
FAYDASIÇOK Ö.
NEURAL NETWORKS, cilt.129, ss.288-297, 2020 (SCI-Expanded)
- XII. **New Results on Stability of Delayed Cohen-Grossberg Neural Networks of Neutral Type**

FAYDASIÇOK Ö.

COMPLEXITY, cilt.2020, 2020 (SCI-Expanded)

- XIII. **New criteria for global stability of neutral-type Cohen-Grossberg neural networks with multiple delays**

FAYDASIÇOK Ö.

NEURAL NETWORKS, cilt.125, ss.330-337, 2020 (SCI-Expanded)

- XIV. **An analysis of stability of uncertain neural networks with multiple time delays**

Faydasicok O., Arik S.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.350, sa.7, ss.1808-1826, 2013 (SCI-Expanded)

- XV. **A new upper bound for the norm of interval matrices with application to robust stability analysis of delayed neural networks**

Faydasicok O., Arik S.

NEURAL NETWORKS, cilt.44, ss.64-71, 2013 (SCI-Expanded)

- XVI. **A new robust stability criterion for dynamical neural networks with multiple time delays**

Faydasicok O., Arik S.

NEUROCOMPUTING, cilt.99, ss.290-297, 2013 (SCI-Expanded)

- XVII. **Robust stability analysis of a class of neural networks with discrete time delays**

Faydasicok O., Arik S.

NEURAL NETWORKS, ss.52-59, 2012 (SCI-Expanded)

- XVIII. **Further analysis of global robust stability of neural networks with multiple time delays**

Faydasicok O., Arik S.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.349, sa.3, ss.813-825, 2012 (SCI-Expanded)

- XIX. **Equilibrium and stability analysis of delayed neural networks under parameter uncertainties**

Faydasicok O., Arik S.

APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.12, ss.6716-6726, 2012 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **A NEW CRITERION FOR STABILITY OF NEUTRAL-TYPE HOPFIELD NEURAL NETWORKS WITH CONSTANT DELAYS**

Faydasıçok Ö.

Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.25, sa.2, ss.639-650, 2020 (Hakemli Dergi)

- II. **Stability Analysis of Neutral-Type Hopfield Neural Networks with Discrete Delays**

Faydasıçok Ö.

Avrupa Bilim ve Teknoloji Dergisi, cilt.2020, sa.19, ss.515-523, 2020 (Hakemli Dergi)

- III. **An Analysis of Global Stability of a Class of Neutral-Type Neural Systems with Time Delays**

FAYDASIÇOK Ö., arık s.

International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering, cilt.6, ss.391-395, 2012 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A New Lyapunov Stability Analysis of Neutral Systems with Multiple Delays**

FAYDASIÇOK Ö., ARIK S.

2024 International Conference on Control, Automation and Diagnosis, ICCAD 2024, Paris, Fransa, 15 - 17 Mayıs 2024

- II. **An Analysis of Stability of Multiple Delayed Cohen-Grossberg Neural Networks of Neutral Type**

Faydasıçok Ö., Arık S.

7th International Conference on Mathematics and Computers in Sciences and Industry, Athens, Yunanistan, 22 - 24 Ağustos 2022, ss.1-5

- III. **Stability Analysis of Neutral-Type Hopfield Neural Networks with Multiple Delays**
Faydasıçok Ö.
21st Conference on Engineering Applications of Neural Networks, Halkida, Yunanistan, 5 - 07 Haziran 2020, ss.558-568
- IV. **A Novel Condition for Stability of Cohen-Grossberg Neural Networks of Neutral-Type with Discrete Delays**
FAYDASIÇOK Ö.
2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020, İstanbul, Türkiye, 12 - 13 Haziran 2020
- V. **A new robust stability result for delayed neural networks**
Faydasıçok Ö., Çiçek C., Arık S.
25. International Conference on Neural Information Processing, ICONIP 2018,, Siem-Reab, Kamboçya, 12 - 16 Aralık 2018, ss.343-352
- VI. **A novel criterion for global asymptotic stability of neutral-type neural networks with discrete time delays**
FAYDASIÇOK Ö., arık s.
25. International Conference on Neural Information Processing, ICONIP 2018, Siem Reap, Kamboçya, 12 - 16 Aralık 2018, ss.353-360
- VII. **A new robust stability result for delayed neural networks**
FAYDASIÇOK Ö., ÇİÇEK C., arık s.
25. International Conference on Neural Information Processing, ICONIP 2018, Siem Reap, Kamboçya, 12 - 16 Aralık 2018, ss.343-352
- VIII. **A new sufficient condition for robust stability of delayed neural networks**
Faydasıçok Ö., Çiçek C., Arık S.
33. International Technical Conference on Circuits Systems, Computers and Communications, ITC-CSCC201, Bangkok, Tayland, 4 - 07 Temmuz 2018, ss.248-251
- IX. **Stability analysis of neutral-type neural networks with constant time delay**
FAYDASIÇOK Ö., arık s.
33. International Technical Conference on Circuits Systems, Computers and Communications, ITC-CSCC2018, Bangkok, Tayland, 4 - 07 Temmuz 2018, ss.29-32
- X. **A new sufficient condition for robust stability of delayed neural networks**
FAYDASIÇOK Ö., ÇİÇEK C., arık s.
33. International Technical Conference on Circuits Systems, Computers and Communications, ITC-CSCC2018, Bangkok, Tayland, 4 - 07 Temmuz 2018, ss.248-251
- XI. **An alternative approach on model selection in Generalized Linear Models**
FAYDASIÇOK Ö., AKAY K. U.
International Conference on Trends and Perspectives in Linear Statistical Inference, LINSTAT2010, Tomar, Portekiz, 27 - 31 Temmuz 2010, ss.142

Bilimsel Dergilerdeki Faaliyetler

Mathematical Modelling and Control, Bilim Kurulu Üyeliği, 2021 - Devam Ediyor

Bilimsel Hakemlikler

FRACTAL AND FRACTIONAL, SCI Kapsamındaki Dergi, Ağustos 2022

JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, SCI Kapsamındaki Dergi, Ağustos 2022
ADVANCES IN DIFFERENCE EQUATIONS, SCI-E Kapsamındaki Dergi, Temmuz 2021
COGNITIVE NEURODYNAMICS, SSCI Kapsamındaki Dergi, Nisan 2021
NEURAL NETWORKS, SCI Kapsamındaki Dergi, Şubat 2020
NEURAL PROCESSING LETTERS, SCI Kapsamındaki Dergi, Ocak 2020
IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI Kapsamındaki Dergi, Ocak 2020
IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI Kapsamındaki Dergi, Aralık 2019
NEURAL COMPUTING & APPLICATIONS, SSCI Kapsamındaki Dergi, Aralık 2019
Neural Computing and Applications, SSCI Kapsamındaki Dergi, Nisan 2013
IEEE Transactions on Neural Networks and Learning Systems, SCI Kapsamındaki Dergi, Şubat 2013
Neurocomputing, SSCI Kapsamındaki Dergi, Ocak 2013
Neural Processing Letters, SCI Kapsamındaki Dergi, Aralık 2012
Abstract and Applied Analysis, SCI Kapsamındaki Dergi, Haziran 2012
Nonlinear Dynamics, SCI Kapsamındaki Dergi, Ocak 2012
IEEE Transactions on Circuits and Systems-I, SCI Kapsamındaki Dergi, Aralık 2011

Metrikler

Yayın: 33
Atıf (WoS): 412
Atıf (Scopus): 435
H-İndeks (WoS): 9
H-İndeks (Scopus): 10

Kongre ve Sempozyum Katılımı Faaliyetleri

22. International Conference on Neural Information Processing, ICONIP 2015, Katılımcı, İstanbul, Türkiye, 2015
Ulusal Karmaşık Dinamik Sistemler ve Uygulamaları, Katılımcı, ANKARA, Türkiye, 2012
International Conference on Computer Mathematics and Natural Computing/An Analysis of Global Stability of a Class of Neutral-Type Neural Systems with Time Delays, Katılımcı, VENEDİK, İtalya, 2012
International Conference on Trends and Perspectives in Linear Statistical Inference/An Alternative Approach on Model Selection in Generalized Linear Models, Katılımcı, TOMAR, Portekiz, 2010