

Asst. Prof. ÖZLEM ESEN

Personal Information

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Education Information

Doctorate, Anadolu University, FEN FAKÜLTESİ, MATEMATİK BÖLÜMÜ, Turkey 2002 - 2008

Postgraduate, Anadolu University, FEN FAKÜLTESİ, MATEMATİK BÖLÜMÜ, Turkey 1998 - 2001

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1992 - 1996

Dissertations

Doctorate, Matris Denklemleri ve Matrisler Ailesinin Gürbüz Kararlılığı Problemleri, Anadolu University, FEN FAKÜLTESİ, MATEMATİK BÖLÜMÜ, 2008

Postgraduate, Matrisler ailesinin gürbüz kararlılığı problemleri, Anadolu University, FEN FAKÜLTESİ, MATEMATİK BÖLÜMÜ, 2001

Academic Titles / Tasks

Assistant Professor, Anadolu University, ENGELLİLER ENTEGRE YÜKSEKOKULU, 2008 - Continues

Shanghai University, Shu · Department Of Mathematics, 2016 - 2016

Lecturer, Anadolu University, ENGELLİLER ENTEGRE YÜKSEKOKULU, 1996 - 2008

Courses

ECZ115-1 Matematik, Undergraduate, 2021 - 2022, 2020 - 2021

MAE 216 Lineer Cebir II, Undergraduate, 2019 - 2020

MAE 213 Analiz 3, Undergraduate, 2019 - 2020

MAE 215 Lineer Cebir I, Undergraduate, 2019 - 2020

MAE 111 Analiz I, Undergraduate, 2019 - 2020

MAE 112 Analiz II, Undergraduate, 2019 - 2020

HZT 115 Matematiksel Düşünme I, Associate Degree, 2017 - 2018

MAT 242 Matematik II, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

MAT 241 Matematik I, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

NÜM 202 Lineer Cebir ve Sayısal Yöntem, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

HZT 116 Matematiksel Düşünme II, Associate Degree, 2017 - 2018

MAT 243 Matematik I, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MAT 108 Lineer Cebir ve Analitik Geometri, Undergraduate, 2015 - 2016

İST 236 (B) Lineer Cebir I, Undergraduate, 2014 - 2015

İST 235 (B) Lineer Cebir I , Undergraduate, 2014 - 2015
NÜM 202 Lineer Cebir ve Sayısal Yöntemler, Undergraduate, 2014 - 2015
MAT 244 Matematik II , Associate Degree, 2013 - 2014
MAT 109 Genel Matematik I , Undergraduate, 2013 - 2014
İST 235 Lineer Cebir I, Undergraduate, 2013 - 2014
MAT 181 Matematik I , Associate Degree, 2013 - 2014, 2012 - 2013
MAT 182 Matematik II, Associate Degree, 2013 - 2014, 2012 - 2013
İST 236 Lineer Cebir II, Undergraduate, 2013 - 2014
MAT 802 (H) Matematik II , Undergraduate, 2013 - 2014
MAT 169 Matematik I (POMYO), Associate Degree, 2012 - 2013
MAT 142 Matematik II , Associate Degree, 2012 - 2013
MAT 141 Matematik I , Associate Degree, 2012 - 2013
MAT 170 Matematik II, Associate Degree, 2011 - 2012
MAT 182 Matematik II E.E.YO, Associate Degree, 2011 - 2012
MAT 181 Matematik I E.E. YO, Associate Degree, 2011 - 2012
MAT 169 Matematik I (POMYO M. A. Ul. Tek.), Associate Degree, 2011 - 2012
MAT 121 Matematik I (POMYO ELE. ve OT. Böl.), Associate Degree, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On polytopes in Hurwitz region**
Dzhafarov (Cafer) V., ESEN Ö., Buyukkoroglu T.
SYSTEMS & CONTROL LETTERS, vol.141, 2020 (SCI-Expanded)
- II. **Infinite polytopes in Hurwitz stability region**
Dzhafarov (Cafer) V., ESEN Ö., Buyukkoroglu T.
AUTOMATICA, vol.106, pp.301-305, 2019 (SCI-Expanded)
- III. **Common Lyapunov Functions for Some Special Classes of Stable Systems**
BÜYÜKKÖROĞLU T., ESEN Ö., Dzhafarov V.
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, vol.56, no.8, pp.1963-1967, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **On the D Stability Criterion of Matrices**
ESEN Ö.
JOURNAL OF MATHEMATICS RESEARCH, vol.7, no.1, pp.82-87, 2015 (Peer-Reviewed Journal)
- II. **Matrisler Ailesinin Gürbüz ve Kuadratik Kararlılığı**
Esen Ö., Cafer V.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.3, no.3, pp.362-367, 2002 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Öğrencilerin Lin. Denklem Sist. Çözümlerinin Kavramsal ve İşlemsel Yaklaşımla İncelenmesi**
ESEN Ö., CAFER V., BÜYÜKKÖROĞLU T.
in: Current and Academic Studies in Education Sciences, Harun Şahin, Abidin Temizer, Fatma Erdoğan, Editor, Ivpe, Cetinje, pp.864-870, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Matrislerin Köşegenleştirilmesi ve LU Ayrışımı Problemlerinin Çözümünde Öğrencilerin Karşılaştığı Güçlüklerin Analizi**
ESEN Ö., CAFER V., BÜYÜKKÖROĞLU T.
II International Congress on Science and Education 2018 (ICSE 2018), Afyon, Turkey, 28 - 30 September 2018, pp.110-115
- II. **On the sigma stable families**
BÜYÜKKÖROĞLU T., ESEN Ö., CAFER V.
4th International Conference on Analysis and its Applications, Kırşehir, Turkey, 11 - 14 September 2018, pp.173-176
- III. **Matrislerin Köşegenleştirilmesi ve LU Ayrışımı Problemlerinin Çözümünde Öğrencilerin Karşılaştığı Güçlüklerin Analizi**
ESEN Ö., CAFER V., BÜYÜKKÖROĞLU T.
II. International Congress on Science and Education 2018 (ICSE2018), Afyonkarahisar, Turkey, 28 - 30 September 2018, pp.110-115
- IV. **On the stabilization of control systems by optimization methods**
CAFER V., BÜYÜKKÖROĞLU T., ESEN Ö.
International Conference on Operations Research, Berlin, Germany, 6 - 08 September 2017, pp.96
- V. **On the Diagonal Stability of Metzler Matrices**
ESEN Ö.
ILAS 2017 Connections: 21st Conference of the International Linear Algebra Society, Ames, Iowa, United States Of America, 24 - 28 July 2017
- VI. **A Test for Schur Diagonal Stability of Matrices**
ESEN Ö.
5th International Conference on Matrix Analysis and Applications (ICMAA), Fort Lauderdale, United States Of America, 17 - 20 December 2015
- VII. **A Note on the Diagonal Stability of Discrete Time positive Linear Systems**
ESEN Ö.
4 th International Conference on Computer Science and Computational Mathematics, Langkawi, Malaysia, 7 - 08 May 2015, pp.682-685
- VIII. **On the Stability of Third Order Discrete Time Switched Positive Linear Systems**
ESEN Ö.
The 3rd Abu Dhabi University Annual International Conference: Mathematical Science and It's Applications, Abu Dhabi, United Arab Emirates, 27 - 30 December 2014, pp.33
- IX. **On Diagonal Stability Analysis of Switched Systems**
ESEN Ö.
The Second International Conference on Engineering and Computational Mathematics, Hong Kong, China, 16 - 18 December 2013, pp.12
- X. **On the Common Quadratic Lyapunov Functions for D stable Matrices**
BÜYÜKKÖROĞLU T., ESEN Ö.
Conference on Matrix Analysis and its Applications, Tomar, Portugal, 12 - 16 July 2011, pp.70
- XI. **On The Root Clustering of Matrices**
ESEN Ö.
15-th Conference of the International Linear Algebra Society, Cancun, Mexico, 16 - 20 June 2008
- XII. **Sector Stability Problem for a Matrix Polytope**
ESEN Ö., CAFER V.
IMA Conference on Numerical Linear Algebra and Optimization, Birmingham, England, 13 - 15 September 2007