

Prof. Mehmet Emir Köksal

Personal Information

Email: mekoksal@omu.edu.tr

Web: <https://avesis.omu.edu.tr/mekoksal>

International Researcher IDs

ORCID: 0000-0001-7220-0042

Yoksis Researcher ID: 31845

Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2005 - 2009

Postgraduate, Fatih University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, İstatistik Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Hiperbolik diferensiyel denklemleri için iki adımlı fark şemaları, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik (Dr), 2009

Postgraduate, An investigation of difference schemes for hyperbolic equations, Fatih University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2005

Academic Titles / Tasks

Mevlana University, Eğitim Fakültesi, İlköğretim Bölümü, 2010 - 2015

Halic University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2009 - 2010

Lecturer, Halic University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2008 - 2009

Lecturer, Fatih University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2008 - 2008

Research Assistant, Fatih University, Fen Bilimleri Enstitüsü, 2006 - 2008

Research Assistant, Bahcesehir University, Fen-Edebiyat Fakültesi, Matematik-Bilgisayar Bölümü, 2006 - 2006

Academic and Administrative Experience

Ondokuz Mayıs University, 2015 - 2016

Courses

Diferansiyel Denklemler, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Nümerik Analize Giriş, Postgraduate, 2020 - 2021
Kesirli Diferansiyel Denklemler I, Doctorate, 2019 - 2020
Kesirli Analiz I, Postgraduate, 2019 - 2020, 2018 - 2019
Matematik Fiziğin Denklemleri, Postgraduate, 2019 - 2020
Nümerik Analize Giriş, Undergraduate, 2018 - 2019
Complex Functions and Transform Techniques, Undergraduate, 2018 - 2019
Kısmi Diferansiyel Denklemler I, Undergraduate, 2018 - 2019
SAYISAL ANALİZ, Undergraduate, 2015 - 2016
BİLGİSAYAR UYGULAMASI, Undergraduate, 2015 - 2016
SAYISAL ANALİZ, Doctorate, 2015 - 2016
MATEMATİK BİLİŞİM VE TEKNOLOJİ KULLANIMI I, Undergraduate, 2015 - 2016
ORDINARY DIFFERENTIAL EQUATIONS, Undergraduate, 2014 - 2015
UYGULAMALI İLERİ SAYISAL ANALİZ, Postgraduate, 2014 - 2015
KALKÜLÜS I, Undergraduate, 2014 - 2015
FONKSİYONEL ANALİZ, Undergraduate, 2014 - 2015
MÜHENDİSLER İÇİN İLERİ SAYISAL YÖNTEMLER, Doctorate, 2014 - 2015
MÜHENDİSLİK MATEMATİĞİ I, Undergraduate, 2014 - 2015, 2012 - 2013, 2011 - 2012
İSTATİSTİK VE OLASILIK I, Undergraduate, 2013 - 2014
DİFERANSYEL DENKLEMLER, Undergraduate, 2013 - 2014
LİNEER CEBİR II, Undergraduate, 2013 - 2014, 2011 - 2012
LİNEER CEBİR I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
İSTATİSTİK VE OLASILIK II, Undergraduate, 2013 - 2014
ENGINEERING MATHEMATICS I, Undergraduate, 2013 - 2014
MÜHENDİSLİK MATEMATİĞİ II, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
DİFERANSİYEL DENKLEMLER, Undergraduate, 2012 - 2013
GEOMETRİ, Undergraduate, 2012 - 2013, 2010 - 2011
FELSEFEYE GİRİŞ, Undergraduate, 2012 - 2013, 2011 - 2012
MATEMATİK I, Undergraduate, 2011 - 2012, 2010 - 2011
GENEL MATEMATİK, Undergraduate, 2010 - 2011
SOYUT MATEMATİK, Undergraduate, 2010 - 2011
AYRIK MATEMATİK, Undergraduate, 2008 - 2009
MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2008 - 2009
Sayısal Analiz I, Undergraduate, 2008 - 2009
Lineer Cebir, Undergraduate, 2008 - 2009
INTRODUCTION TO PROBABILITY THEORY, Undergraduate, 2007 - 2008
INTRODUCTION TO STATISTICS, Undergraduate, 2007 - 2008
İSTATİSTİĞE GİRİŞ, Undergraduate, 2007 - 2008
INTRODUCTION TO PROBABILITY AND STATISTICS, Undergraduate, 2007 - 2008
Introduction to Differential Equations, Undergraduate, 2007 - 2008
OLASILIK VE İSTATİSTİĞE GİRİŞ, Undergraduate, 2007 - 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **New analytical and numerical solutions to the (2+1)-dimensional conformable cpKP-BKP equation arising in fluid dynamics, plasma physics, and nonlinear optics**
Senol M., Gencyigit M., Köksal M. E., Qureshi S.
OPTICAL AND QUANTUM ELECTRONICS, vol.56, no.3, 2024 (SCI-Expanded)
- II. **Bézier Cubics and Neural Network Agreement along a Moderate Geomagnetic Storm**
Eroglu E., Köksal M. E.

- DISCRETE DYNAMICS IN NATURE AND SOCIETY, vol.2024, 2024 (SCI-Expanded)
- III. **Convergence results based on graph-Reich contraction in fuzzy metric spaces with application**
Jabeen S., Köksal M. E., Younis M.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.29, no.1, pp.71-95, 2024 (SCI-Expanded)
- IV. **Recent Developments of Numerical Methods for Analyzing Telegraph Equations**
Köksal M. E.
ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, vol.30, no.6, pp.3509-3527, 2023 (SCI-Expanded)
- V. **Decomposition of Fourth-Order Linear Time-Varying Systems into its Third- and First-Order Commutative Pairs**
Ibrahim S., Köksal M. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.42, pp.3320-3340, 2023 (SCI-Expanded)
- VI. **Decomposition of Second-Order Discrete-Time Linear Time-Varying Systems into First-Order Commutative Pairs**
Güneş S. A., Köksal M. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.42, no.5, pp.2723-2739, 2023 (SCI-Expanded)
- VII. **Evaluation of the Remainders of a Class of Series by Using Saddle-Point Method**
Isik O., Köksal M. E., Uzer A.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.71, no.2, pp.2011-2015, 2023 (SCI-Expanded)
- VIII. **Mathematical and Numerical Modelling of Interference of Immune Cells in the Tumour Environment**
Sinha S., Singh P., Köksal M. E.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, vol.2023, 2023 (SCI-Expanded)
- IX. **Mathematical Modeling of Feelings in Viewpoint of Analysis of Olvido Poetry with Fractional Operators**
Dokuyucu M. A., ARMAĞAN B., ELİUZ Ü., Akdemir A. O., Köksal M. E.
JOURNAL OF MATHEMATICS, vol.2023, 2023 (SCI-Expanded)
- X. **Mathematical Modeling of Coronavirus Dynamics with Conformable Derivative in Liouville-Caputo Sense**
Bonyah E., Hammouch Z., Köksal M. E.
JOURNAL OF MATHEMATICS, vol.2022, 2022 (SCI-Expanded)
- XI. **Analyzing Similarity Solution of Modified Fisher Equation**
Duruk E. H., Köksal M. E., Jiwari R.
JOURNAL OF MATHEMATICS, vol.2022, 2022 (SCI-Expanded)
- XII. **Double Controlled Partial Metric Type Spaces and Convergence Results**
Ahmad H., Younis M., Köksal M. E.
JOURNAL OF MATHEMATICS, vol.2021, 2021 (SCI-Expanded)
- XIII. **Commutativity of Sixth-Order Time-Varying Linear Systems**
Ibrahim S., Köksal M. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.40, no.10, pp.4799-4832, 2021 (SCI-Expanded)
- XIV. **A Composite Algorithm for Numerical Solutions of Two-Dimensional Coupled Burgers' Equations**
Kumar V., Singh S., Köksal M. E.
JOURNAL OF MATHEMATICS, vol.2021, 2021 (SCI-Expanded)
- XV. **Realization of a Fourth-Order Linear Time-Varying Differential System with Nonzero Initial Conditions by Cascaded two Second-Order Commutative Pairs**
Ibrahim S., Köksal M. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.40, no.6, pp.3107-3123, 2021 (SCI-Expanded)
- XVI. **Transitivity of Commutativity for Linear Time-Varying Physical Systems**
Köksal M. E.
JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, vol.16, no.2, pp.1071-1082, 2021 (SCI-Expanded)
- XVII. **An Alternative Method for Cryptology in Secret Communication**
Köksal M. E.
JOURNAL OF INFORMATION SCIENCE AND ENGINEERING, vol.36, no.5, pp.1141-1152, 2020 (SCI-Expanded)

- XVIII. **Commutativity of first-order discrete-time linear time-varying systems**
 Köksal M. E.
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.16, pp.5274-5292, 2019 (SCI-Expanded)
- XIX. **Decomposition of Third-Order Linear Time-Varying Systems into Its Second- and First-Order Commutative Pairs**
 Köksal M. E., YAKAR A.
 CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.38, no.10, pp.4446-4464, 2019 (SCI-Expanded)
- XX. **A class of numerical algorithms based on cubic trigonometric B-spline functions for numerical simulation of nonlinear parabolic problems**
 Jiwari R., Pandit S., Köksal M. E.
 COMPUTATIONAL & APPLIED MATHEMATICS, vol.38, no.3, 2019 (SCI-Expanded)
- XXI. **Numerical simulation of power transmission lines**
 Köksal M. E., ŞENOL M., Unver A. K.
 CHINESE JOURNAL OF PHYSICS, vol.59, pp.507-524, 2019 (SCI-Expanded)
- XXII. **Numerical Approximation for Nonlinear Noisy Leaky Integrate-and-Fire Neuronal Model**
 Sharma D., Singh P., Agarwal R. P., Köksal M. E.
 MATHEMATICS, vol.7, no.4, 2019 (SCI-Expanded)
- XXIII. **Transitivity of Commutativity for Second-Order Linear Time-Varying Analog Systems**
 Köksal M. E.
 CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.38, no.3, pp.1385-1395, 2019 (SCI-Expanded)
- XXIV. **Commutativity of systems with their feedback conjugates**
 Köksal M. E.
 TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.41, no.3, pp.696-700, 2019 (SCI-Expanded)
- XXV. **Time and frequency responses of non-integer order RLC circuits**
 Köksal M. E.
 AIMS MATHEMATICS, vol.4, no.1, pp.64-78, 2019 (SCI-Expanded)
- XXVI. **Stability analysis of fractional differential equations with unknown parameters**
 Köksal M. E.
 NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.24, no.2, pp.224-240, 2019 (SCI-Expanded)
- XXVII. **Explicit commutativity conditions for second-order linear time-varying systems with non-zero initial conditions**
 Köksal M. E.
 ARCHIVES OF CONTROL SCIENCES, vol.29, no.3, pp.529-548, 2019 (SCI-Expanded)
- XXVIII. **High-order finite volume approximation for population density model based on quadratic integrate-and-fire neuron**
 Singh P., Kumar S., Köksal M. E.
 ENGINEERING COMPUTATIONS, vol.36, no.1, pp.84-102, 2019 (SCI-Expanded)
- XXIX. **Lie symmetry based-analytical and numerical approach for modified Burgers-KdV equation**
 Kumar V., Kaur L., Kumar A., Köksal M. E.
 RESULTS IN PHYSICS, vol.8, pp.1136-1142, 2018 (SCI-Expanded)
- XXX. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE EXISTENCE OF PERIODIC SOLUTIONS IN A PREDATOR-PREY MODEL**
 Pelen N. N., Köksal M. E.
 ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2017, 2017 (SCI-Expanded)
- XXXI. **Inverse Commutativity Conditions for Second-Order Linear Time-Varying Systems**
 Köksal M. E.
 JOURNAL OF MATHEMATICS, vol.2017, 2017 (SCI-Expanded)
- XXXII. **Recent Trends in Computational and Theoretical Aspects in Differential and Difference Equations**
 Jiwari R., Köksal M. E., Akca H.
 JOURNAL OF MATHEMATICS, vol.2017, 2017 (SCI-Expanded)

- XXXIII. **Haar wavelets operational matrix based algorithm for computational modelling of hyperbolic type wave equations**
 Pandit S., Jiwari R., Bedi K., Köksal M. E.
 ENGINEERING COMPUTATIONS, vol.34, no.8, pp.2793-2814, 2017 (SCI-Expanded)
- XXXIV. **Decomposition of a second-order linear time-varying differential system as the series connection of two first order commutative pairs**
 Köksal M. E.
 OPEN MATHEMATICS, vol.14, pp.693-704, 2016 (SCI-Expanded)
- XXXV. **PARAMETER EXTRACTION OF COMPLEX PRODUCTION SYSTEMS VIA A KINETIC APPROACH**
 Unver A. K., Ringhofer C., Köksal M. E.
 KINETIC AND RELATED MODELS, vol.9, no.2, pp.407-427, 2016 (SCI-Expanded)
- XXXVI. **Quasilinearization method for nonlinear differential equations with causal operators**
 YAKAR A., Köksal M. E.
 JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.3, pp.1356-1364, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Analytical solutions of the fractional (3+1)-dimensional Boiti-Leon-Manna-Pempinelli equation**
 Gencyigit M., Senol M., Köksal M. E.
 COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, vol.11, no.3, pp.564-575, 2023 (ESCI)
- II. **Laplace transform collocation method for telegraph equations defined by Caputo derivative**
 MODANLI M., KÖKSAL M. E.
 Mathematical Modelling and Numerical Simulation with Applications, vol.2, no.3, pp.177-186, 2022 (Peer-Reviewed Journal)
- III. **Commutativity associated by Heun's differential equations**
 KÖKSAL M. E.
 Tbilisi Mathematical Journal, 2021 (Peer-Reviewed Journal)
- IV. **Commutativity Conditions of Lamé's Differential Equation**
 KÖKSAL M. E.
 Avrupa Bilim ve Teknoloji Dergisi, no.20, pp.211-214, 2020 (Peer-Reviewed Journal)
- V. **Commutativity Conditions of Heine's Differential Equation**
 KÖKSAL M. E.
 Avrupa Bilim ve Teknoloji Dergisi, no.20, pp.239-243, 2020 (Peer-Reviewed Journal)
- VI. **Universal Design Equations for Fractional Order PID Control of Plants with Time Delay**
 KÖKSAL M. E.
 Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.34, no.2, pp.231-239, 2019 (Peer-Reviewed Journal)
- VII. **Fractional Order Butterworth Filter**
 KÖKSAL M. E.
 International Journal of Advance Engineering Research and Science, vol.5, no.12, pp.178-185, 2018 (Peer-Reviewed Journal)
- VIII. **Commutativity and Commutative Pairs of Some Well-known Differential Equations**
 KÖKSAL M. E.
 COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.9, no.4, pp.689-703, 2018 (Peer-Reviewed Journal)
- IX. **Frequency Response of a Fractional Order Shunt Resonator of the Class R-RL β C α**
 KÖKSAL M. E.
 International Journal of Advance Engineering Research and Science, vol.5, no.12, pp.186-189, 2018 (Peer-Reviewed Journal)
- X. **Comparison of Step Response Characteristics of Simple Fractional Order Systems and Second Order Systems**

KÖKSAL M. E.

International Journal of Advance Engineering Research and Science, vol.5, no.10, pp.80-89, 2018 (Peer-Reviewed Journal)

- XI. **Design Templates for Some Fractional Order Control Systems**
KÖKSAL M. E.
International Journal of Advanced Engineering Research and Science, vol.5, no.9, pp.174-182, 2018 (Peer-Reviewed Journal)
- XII. **Commutativity and Commutative Pairs of Some Differential Equations**
Köksal M. E.
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.9, no.4, pp.689-703, 2018 (ESCI)
- XIII. **The Second Order Commutative Pairs of a First Order Linear Time Varying System**
KÖKSAL M. E.
APPLIED MATHEMATICS AND INFORMATION SCIENCES, vol.9, no.1, pp.1-6, 2015 (Scopus)
- XIV. **Turkish Consumers Risk Perception towards Global Computer Brands**
APAYDIN F., KÖKSAL M. E.
INTERNATIONAL JOURNAL OF MARKETING STUDIES, vol.3, no.3, pp.165-173, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Commutativity of Fourth-Order Discrete-Time Linear Time-Varying Systems**
ER T., KÖKSAL M. E.
6th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 21 - 23 June 2022, pp.202-206
- II. **Decomposition Formulas of a Third-order Discrete-time Linear Time-varying System into its First- and Second-order Commutative Pairs**
Abdullahi M. H., KÖKSAL M. E.
6th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 21 - 23 June 2022, pp.234-239
- III. **On gs -Essential Submodules**
KÖKSAL M. E., NEBİYEV C.
6th International Conference on Mathematics "An Istanbul Meeting for World Mathematicians" (ICOM-2022), Turkey, 21 June 2022
- IV. **Some Properties of Time-Varying Linear Systems**
KÖKSAL M. E.
9th International Conference on Signal Processing & Integrated Networks, Noida, India, 25 - 26 August 2022
- V. **Commutativity and its Use for Optimizing Performance of Cascade Connected Systems**
KÖKSAL M. E.
4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022
- VI. **Commutativity of Analog and Digital Time-Varying Linear Systems**
KÖKSAL M. E.
1st International Alumni's Mathematics UET Conference, Lahore, Pakistan, 26 February 2022
- VII. **Commutativity of Third-Order Discrete-Time Linear Time-Varying Systems**
Bilgin R. F., KÖKSAL M. E.
5th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", Turkey, 01 December 2021
- VIII. **Use of Fractional Calculus in Science and Engineering**
KÖKSAL M. E.
5th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", Turkey, 20 December 2021

- IX. Commutativity and Wangering Differential Equation**
 KÖKSAL M. E., Karagöl S.
 5th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", Turkey, 01 December 2021
- X. Comparison of Statics Path Planning Models by Time Requirement**
 KARAGÖL S., KÖKSAL M. E.
 5th International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 01 December 2021
- XI. Comparison of Static Path Planning Models by Time Requirement**
 KARAGÖL S., KÖKSAL M. E.
 5th International Online Conference on Mathematics, İstanbul, Turkey, 01 December 2021, pp.494-500
- XII. Commutativity and Wangerin Differential Equation**
 KÖKSAL M. E., KARAGÖL S.
 5th International Online Conference on Mathematics, Turkey, 01 December 2021, pp.378-386
- XIII. Decomposition of Third-Order Discrete-Time Linear Time-Varying Systems into Its Second- and First-Order Commutative Pairs**
 Abdullahi M., KÖKSAL M. E.
 2nd International Conference on Differential Equations, Control and Optimization, İstanbul, Turkey, 27 October 2021
- XIV. Commutativity of Time-varying Linear Systems**
 KÖKSAL M. E.
 2nd International Conference on Differential Equations, Control and Optimization, İstanbul, Turkey, 27 October 2021
- XV. Commutativity and Its Application in Secret Communication**
 KÖKSAL M. E.
 8th International Conference on Signal Processing & Integrated Networks, India, 26 August 2021
- XVI. Recent Developments of the Commutativity of Time-Varying systems**
 KÖKSAL M. E.
 4th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 October 2020
- XVII. Commutativity Associated with Confluent Hypergeometric Differential Equation**
 KÖKSAL M. E.
 4th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 October 2020, pp.631-633
- XVIII. A Note on the Commutativity of Riemann Differential Equation**
 KÖKSAL M. E.
 4th INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Turkey, 27 - 30 October 2020, pp.590-593
- XIX. Commutativity Conditions of Heine's Differential Equation**
 KÖKSAL M. E.
 International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 26 - 27 June 2020, pp.58
- XX. Commutativity Conditions of Lamé's Differential Equation**
 KÖKSAL M. E.
 International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 26 - 27 June 2020, pp.54
- XXI. Decomposition of a Fourth-order Linear Time-varying System**
 İBRAHİM S., KÖKSAL M. E.
 4th International Symposium on Innovative Approaches in Engineering and Natural Sciences, Samsun, Turkey, 22 - 24 November 2019, pp.139-141
- XXII. Design of Fractional Order Proportional-Integral-Derivative (FOPID) Controllers by Using 3-Dimensional (3-D) Plots**
 NOR M. H., KÖKSAL M. E.
 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 11 - 13

October 2019, pp.227-230

- XXIII. **Decomposition of Fourth-order Linear Time-varying Differential System into its Twin Second-order Commutative Pairs (22)**
IBRAHİM S., KÖKSAL M. E.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 11 - 13 October 2019, vol.224
- XXIV. **Commutativity of Cascaded Systems and Signal Processing**
KÖKSAL M. E.
6th International Conference on Signal Processing Integrated Networks, 7 - 08 March 2019
- XXV. **A Note on a Difference Method for Hyperbolic PDEs**
KÖKSAL M. E.
International Conference on Numerical Analysis, Computing Applications in Science, Engineering and Technology, 17 - 20 December 2018, vol.75
- XXVI. **On the Commutativity of Analog and Digital Systems**
KÖKSAL M. E.
7th International Conference on Mechatronics and Control Engineering, Netherlands, 27 - 29 November 2018
- XXVII. **Fractional Order System Design by Coefficient Diagram Method**
KÖKSAL M. E.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018, pp.49-53
- XXVIII. **Commutativity Conditions of Some Time-varying Systems**
KÖKSAL M. E.
International Conference on Mathematics: "An Istanbul Meeting for World Mathematicians, 3 - 06 July 2018, pp.109-117
- XXIX. **Transitivity Property of Commutativity for Linear Time-Varying Systems**
KÖKSAL M. E.
International Conference: 10th Dynamical Systems and Applications, 12 - 15 July 2017
- XXX. **Analytical Solvability of Commutative Pairs of Some Well Known Differential System**
KÖKSAL M. E.
International Conference: 9th Dynamical Systems and Applications, 20 - 23 July 2016
- XXXI. **Commutativity of Continuous and Discrete Time Varying Systems**
KÖKSAL M. E.
2nd International Conference on Pure and Applied Sciences, 1 - 05 June 2016
- XXXII. **Numerical solutions of telegraph equations with the Dirichlet boundary condition**
Ashyralyev A., Turkcan K. T., Köksal M. E.
3rd International Conference on Analysis and Applied Mathematics (ICAAM), Almaty, Kazakhstan, 7 - 10 September 2016, vol.1759
- XXXIII. **Commutativity of Time-varying Systems**
KÖKSAL M. E.
3rd Abu Dhabi Univ. Annual International Conference: Mathematical Sciences its Applications, 27 - 30 December 2014
- XXXIV. **Commutativity of Lommel and Halm Differential Equations**
KÖKSAL M. E.
International Conference in Honour of Professor Ravi P. Agarwal, 23 - 26 June 2014
- XXXV. **Commutativity of Discrete-time Linear Time-varying Systems**
KÖKSAL M. E.
3rd International Conference on Engineering Mathematics and Physics, 14 - 15 June 2014
- XXXVI. **Ardışık Bağlı Zamanla Değişen Doğrusal Ayrık zaman Sistemlerinin Sıra değişim Özelliği**
KÖKSAL M. E., KÖKSAL M.
2013 Ulusal Kontrol Konferansı, Turkey, 26 - 28 September 2013, pp.1128-1131
- XXXVII. **An Operator-difference Scheme for Hyperbolic PDEs with Significant First-order Derivative Term**

- KÖKSAL M. E.
14th International Conference on Hyperbolic Problems: Theory, Numeric Applications, 25 - 29 June 2012
- XXXVIII. **On the Difference Scheme for Hyperbolic PDEs**
KÖKSAL M. E.
International Conference on Differential Difference Equations Applications, 4 - 08 July 2011
- XXXIX. **Effects of a Brand Being Global on Consumers Risk Perception**
APAYDIN F., KÖKSAL M. E.
The 5th International Conference on Business, Management and Economics, 22 - 24 October 2009, pp.345-351
- XL. **Numerical Solutions of Wave Equation with Nonlocal boundary Conditions**
KÖKSAL M. E.
17th International Conference on Mathematical Methods Applied to the Sciences, 16 - 19 February 2010
- XLII. **Numerical Solution of One-dimensional Wave Equation Arising in Nonhomogeneous Cylindrical Shells**
KÖKSAL M. E.
International Conference on Scientific Bases of the Introduction of New Technologies in the New Revival Epoch, 13 December 2009
- XLIII. **Stability of a New Difference Scheme with Unbounded Operator Coefficients in Hilbert Space**
KÖKSAL M. E., ASHYRALYEV A.
SIAM Analysis of Partial Differential Equations, 7 - 10 December 2009
- XLIV. **A New Difference Scheme for Hyperbolic Partial Differential Equations**
KÖKSAL M. E.
International Conference on Applied Analysis Scientific Computation, Turkey, 16 - 17 October 2009
- XLV. **On a Difference Scheme of Second Order of Accuracy for Hyperbolic Equations**
ASHYRALYEV A., KÖKSAL M. E.
The 6th International ISAAC Congress, 13 August - 18 July 2007, pp.670-679
- XLVI. **A Note on the Numerical Solution of One-dimensional Wave Equation with Dirichlet and Neumann Boundary Conditions**
ASHYRALYEV A., KÖKSAL M. E.
International Conference on Applied Analysis Scientific Computation, 25 - 28 June 2009
- XLVII. **On the Stability of Difference Schemes for Hyperbolic Equations**
ASHYRALYEV A., KÖKSAL M. E.
International Conference on Differential and Difference Equations and its Applications, 1 - 05 August 2005, pp.117-130
- XLVIII. **One dimensional Transient Dynamic Response in Functionally Gradient Spherical Multilayered Media**
Abualshikh I., KÖKSAL M. E.
The 3rd International Conference on Dynamical Systems and Applications, 5 - 10 July 2004, pp.1-20

Supported Projects

Köksal M. E., Project Supported by Higher Education Institutions, Sixth International Conference on Signal Processing and Integrated Networks, 2019 - 2023

Köksal M. E., Project Supported by Higher Education Institutions, The 2018 7th International Conference on Mechatronics and Control Engineering, 2018 - 2019

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