



















CONFERENCE PROGRAM

6th INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES

20-22 May 2022, Ordu – Turkey

THE SIXTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2022), ORDU/TURKEY, MAY 20-22 2022

The Sixth International Conference on Computational Mathematics and Engineering Sciences (CMES-2022) will be held in Ordu University from 20- to 22 May 2022 in Ordu, Turkey. It provides an ideal academic platform for researchers and professionals to discuss recent developments in both theoretical, applied mathematics and engineering sciences. This event also aims to initiate interactions among researchers in the field of computational mathematics and their applications in science and engineering, to present recent developments in these areas, and to share the computational experiences of our invited speakers and participants.

The Organizing Committee

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MESSAGE FROM THE GENERAL CHAIRS





Dear Conference Attendees,

We are honored to welcome you to the **Sixth International Conference on Computational Mathematics and Engineering Sciences (CMES-2022)** at Ordu University from 20 to 22 May 2022 in Ordu City, Turkey.

CMES, founded in 2016 at Faculty of Science and Techniques Errachidia Moulay Ismail University Morocco is an annual intarnational conference, which was very successful in the past years by providing opportunities to the participants in sharing their knowledge and informations and promoting excellent networking among different international universities. This year, the conference includes 200 extended abstracts, several submissions were received in response to the call for papers, selected by the Program Committee. The program features keynote talks by distinguished speakers such as: Alissandra Maria Ragusa from Catania University Italy, Dumitru Baleanu, from Institute of Space Sciences, Magurele-Bucharest, Romania, Juan-Luis García Guirao from Technical University of Cartagena, Spain, Oscar Castillo from Tijuana Institute of Technology, Tijuana, Mexico, Hossein Jafari from UNISA South Africa, Vatan Karakaya from Ahi Evran University, Turkey, Ekrem Savas from Usak University, Muhammad Reza Safaei from Florida University USA, Erhan Coşkun from Karadeniz Technical University, Turkey and Hüseyin Merdan from Tobb University, Turkey. The conference also comprises contributed sessions, posters sessions and various research highlights.

We would like to thank the Program Committee members and external reviewers for volunteering their time to review and discuss submitted abstracts. We would like to extend special thanks to the Honorary, Scientific and Organizing Committees for their efforts in making CMES-2022 a successful event. We would like to thank all the authors for presenting their research studies during our conference. We hope that you will find CMES-2022 interesting and intellectually stimulating, and that you will enjoy meeting and interacting with researchers around the world.

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TOPICS

Applied Mathematics,

Financial Mathematics,

Control Theory,

Game Theory

Modeling of Bio-systems for Optimization

and Control,

Linear and Nonlinear programming and

Dynamics,

Artificial Intelligence,

Geometry and Its Applications,

Analysis and Its Applications,

Statistics and Its Applications,

Mathematics Education and Its Applications,

Algebra and Its Applications.

Engineering Sciences

Computer Science

Information technology

Electrical and Electronic Engineering

Ordinary, Partial, Stochastic and Delay

Differential Equations

Chaos and Dynamical Systems

Numerical methods and scientific

programming

Fractional Calculus and Applications,

Cryptography and its applications

Computational Fluids mechanics, Heat and

Mass Transfers.

Economics and Econometric Studies

Topology and Its Application

Education Sciences

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Full version of submitted papers will be published in Special Volumes of reputed journals. Procedure, Guidelines and Checklist for the preparation and submission of papers to the Proceedings of CMES-2022 can be found in the journals websites. The journals in which selected and peer-reviewed full papers of CMES-2022 will be published are as follows:

1. FRACTAL AND FRACTIONAL JOURNAL [SCI-E].

Selected papers from CMES-2022 will be published in a special issue dedicated to the Conference entitled "New Challenges Arising in Engineering Problems with Fractional and Integer-II Order". https://www.mdpi.com/journal/fractalfract/special_issues/EPFIO2022

This journal is indexed by SCI-E.

2. FRACTALS [SCI-E]

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3. PROCEEDINGS OF THE INSTITUTE OF MATHEMATICS AND MECHANICS [E-SCI]

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4. FULL TEXT PROCEEDING BOOK [FREE]

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8. MATHEMATICS IN NATURAL SCIENCE (MNS)

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9. MATHEMATICS IN ENGINEERING, SCIENCE AND AEROSPACE (MESA), [FREE, SCOPUS]

"Selected papers will be published after peer review in the Journal of Mathematics in Engineering, Science and Aerospace (MESA)" (Editor in Chief: Prof. Seenith Sivasundaram) http://nonlinearstudies.com/index.php/mesa

10. APPLIED MATHEMATICS AND NONLINEAR SCIENCES, [SCOPUS]

Participants of CMES 2022 can submit their high quality full text papers to Applied Mathematics and Nonlinear Sciences by selecting CMES-2022 under the Select Article Type Menu. (https://www.editorialmanager.com/amns/default.aspx.)

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The Special Issue on "Advanced Methods of Modelling and Numerical Computation in Science and Engineering". Authors can submit their full text paper directly to the journal by using the information provided in the following link https://mmnsa.org/index.php/mmnsa/special iss <a href="https://special.google.goog

12.SPECIAL ISSUE "ADVANCES IN MATRIX TRANSFORMATIONS, OPERATORS AND SYMMETRY"

(SCIE) https://www.mdpi.com/journal/symmetry/special-issues/Advances Matrix Transformations Operators Symmetry

13. YUZUNCU YIL UNIVERSITY JOURNAL OF THE INSTITUTE OF NATURAL AND APPLIED SCIENCES

(The journal indexed by TR-Dizin) https://dergipark.org.tr/tr/pub/yyufbed

14. PEDAGOGICAL PERSPECTIVE (PEDPER)

Pedagogical Perspective (**PedPer**) is an international, double blind reviwing, non-profit, professional scientific journal. PedPer is a journal that accepts manuscripts related to pedagogy and education. http://pedagogicalperspective.com/

15. ERZURUM TECHNICAL UNIVERSITY JOURNAL OF MATHEMATICS (ETU J MATH)

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PLENARY & INVITED TALKS





The interaction of minimizers of functionals and Vanishing Mean Oscillation functions

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Abstract We show the advances on some regularity problems related to minimizers

$$u(x): \Omega \to R^n$$

of some quadratic and non quadratic growth functionals. About the dependence on the variable x is of the integrand function A(x, u, p) of the functionals it belongs to the Vanishing Mean Oscillation class, as a function of x. Then, is pointed out that the continuity of A(x, u, p), with respect to x, is not assumed.

Keyword: Regularity, Minimizers of functionals, Vanishing Mean Oscillation functions.

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MODIFIED AND GENERALIZED FRACTIONAL OPERATORS: THEORY AND APPLICATIONS

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Abstract

It is wel known that the fractional calculus deals with the study of so-called fractional order integral and derivative operators over real or complex domains, and their applications. In my talk I will present some new trends in the field of modified and generalized fractional operators. Illustrative examples will be presented.

Keywords: fractional calculus, modified fractional operators, generalized fractional operators

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FIXED POINTS AND COUPLED FIXED POINTS IN B-METRIC SPACES VIA GRAPHICAL CONTRACTIONS

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Abstract

In this paper some existence and stability results for cyclic graphical contractions in complete metric spaces are given. Moreover, we discuss a vectorial case of our main result. Some applications to coupled fixed point problems are also derived.

Keywords: Existence and stability results for cyclic graphical contractions in complete metric spaces

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A COMPARISON ON SOME INTEGRAL TRANSFORMS

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Abstract

Integral transforms are important to solve real problems. Appropriate choice of integral transforms helps to convert differential equations as well as integral equations into terms of an algebraic equation that can be solved easily.

During last two decades many integral transforms in the class of Laplace transform are introduced such as Sumudu, Elzaki, Natural, Aboodh, Pourreza, Mohand, G_transform, Sawi and Kamal transforms.

In this work, we compare some integral transforms in the class of Laplace transform which are introduced during last few decades. After that we propose a general integral transforms which is covered all of those integral transforms. Also, we discuss about combanition of these integral transforms and decomposition methods.

Keywords: Integral transform; Decomposition methods; Iterative method.

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MATHEMATICAL METHODS IN INDUSTRIAL MATHEMATICS: A REVIEW FROM RECENT CASE STUDIES

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Abstract In this talk, we describe our experience of identification, mathematical formulation and handling of industrial problems posed by firms having active research and development units. We highlight common features of industrial problems from OECD report of industrial mathematics [1], describe basic mathematical tools and skills needed to engage in problems of industry and discuss some relevant case studies including the ones from the Euro-Asian Study Group with Industry[2] held in Trabzon, Turkey. Our aim is to convince young mathematicians that they can indeed develop their skills to tackle industrial problems, which will not only help industry to gain compatitive advantage but also lead to having original research areas that are more likely to be supported from private and government institutions.

Keywords: Industrial mathematics; mathematical modeling; study groups with industry.

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SHANNON-WHITTAKER-KOTEL'NIKOV'S THEOREM GENERALIZED

JUANLUIS GARCÍA GUIRAO

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Abstract The aim of the this talk provide a generalization of the classical Shannon-Whittaker-Katel'niko's theorem for a class of non band-limited signals which plays a central role in the signal theory, the Gaussian map is the unique function which reachs the minimum of the product of the temporal and frecuential width. This solves a conjecture stated by Boas in 1972.

Keywords: Shannon–Whittaker–Kotel'nikov's Theorem; recomposi- tion of chemical products, signal theory.

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COMPLEX DYNAMICS OF A RATIO-DEPENDENT POPULATION MODEL: STABILITY, BIFURCATIONS AND CHAOS

HUSEYIN MERDAN

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Abstract Nonlinear dynamical behaviors of a prey-predator system with Leslie type will be presented. First, the stability analysis will be given. Second, the bifurcations and chaotic behavior of the model will be discussed. Finally, numerical simulations will be shown to support and extend the theoretical results. The results obtained will be interpreted from the biological point of view.

Keywords: Prey-predator model, stability analysis, bifurcations, chaotic behavior

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TYPE-2 FUZZY SYSTEMS AND FUTURE TRENDS FOR TYPE-3: THEORY AND APPLICATIONS

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Abstract: Type-2 fuzzy systems are powerful intelligent models based on the theory of fuzzy sets, originally proposed by Prof. Zadeh. Most real-world applications up to now are based on type-1 fuzzy systems, which are built based on the original (type-1) fuzzy sets that extend the concept of classical sets. Type-2 fuzzy sets extend type-1 fuzzy sets by allowing the membership to be fuzzy, in this way allowing a higher level of uncertainty management. Even with the current successful applications of type-1 fuzzy systems, now several papers have shown that type-2 is able to outperform type-1 in control, pattern recognition, manufacturing and other areas. The key challenge in dealing with type-2 fuzzy models is that their design has a higher level of complexity, and in this regard the use of bio-inspired optimization techniques is of great help in finding the optimal structure and parameters of the type-2 fuzzy systems for particular applications, like in control, robotics, manufacturing and others. Finally, the prospects for the future trends and applications of type-3 fuzzy logic will be discussed.

Keywords: Type-2 Fuzzy systems, Type-1 fuzzy systems, Fuzzy Logic.



AN EVALUATION ON THE RELATIONSHIP BETWEEN HUMANITY'S ADVENTURE OF KNOWLEDGE AND HIKMAH

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Abstract

The main purpose of this study is to investigate the knowledge and wisdom relationship based on the definitions of God and knowledge of certain civilizations within the context of written history. This relationship is tried to be explained under the definitions of God and knowledge derived from eminent thinkers of Ancient Greece, Islamic and Modern Western civilizations. The relationship between knowledge and wisdom in those two civilizations are examined with regard to the concept of 'hikmah' defined in Islamic civilization. After that, a general comparison was made on the topics of God and knowledge definitions of the founder thinkers of these three civilizations. As a result of this comparison, it has been concluded that the definitions of God and knowledge definitions of Ancient Greece and Modern Western civilizations are similar, and these two concepts do not match the content of 'hikmah'. Main reason behind this discrepancy is concluded as the unique conglomeration of tasawwuf, kalam and Aristotelian philosophy in Islamic civilization. In Islamic civilization, these three thought traditions assimilated the thought before them, formed their own tradition and laid the groundwork for the next civilization.

Keywords: Belief in God, definition of knowledge, knowledge and hikmah.

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A NEW SEQUENCE SPACE OF WEIGHT g

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ABSTRACT. Recall that $f:[0,\infty)\to[0,\infty)$ is a modulus function if it satisfies the following properties.

- i): f(x) = 0 if and only if x = 0,
- **ii):** $f(x+y) \le f(x) + f(y)$,
- iii): f is increasing,
- iv): f is continuous from the right at 0.

In this paper, we define a new sequence space by using modulus function and also investigate some relations the spaces between $[\hat{V}^g, \lambda, f, t]$ and \hat{S}^g_{λ} where $g:[0,\infty)\times[0,\infty)\to[0,\infty)$, $g((x_{nm})\to\infty$ for any sequence (x_{nm}) in $[0,\infty)\times[0,\infty)$ with $x_{nm}\to\infty$.

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5/20/2022			
10:00-10:30	OPENING CEREMONY Prof. Dr. Zakia HAMMOUCH-Chair of CMES Prof. Dr. Ali AKDOĞAN-Rector of Ordu University Prof. Dr. Mohammed AMINE-Director of ENS Moulay Ismail University Prof. Dr. Mohammed OUAZZANI JAMIL-Vice-Rector of Université Privée de Fes		
10:30-11:00	PLENARY LECTURE		
10.00	Speaker: Prof. Dr. Dumitru BALE	ANU	
	Title: MODIFIED AND GENERAL	LIZED FRACTIONAL OPERATORS: THEORY AND APPLICATIONS	
	Chair: Prof. Dr. Erhan COŞKUN		
11:00-11:15	Coffee Break		
11:15-11:45	PLENARY LECTURE		
	Speaker: Prof. Dr. Liliana GURA	N	
	Title: FIXED POINTS AND COUR	PLED FIXED POINTS IN B-METRIC SPACES VIA GRAPHICAL	
	Chair: Prof. Dr. Hüseyin MERDA	N	
11:45-12:00	Coffee Break		
12:00-12:30	PLENARY LECTURE		
	Speaker: Prof. Dr. Ekrem SAVAŞ		
	Title: A NEW SEQUENCE SPACE OF WEIGHT g		
	Chair: Prof. Dr. Mohammed Oua:	zzani Jamil	
12:30-14:00	LUNCH (ORDU UNIVERSITY SOCIAL FACILITIES)		
201 (Fractional)		
14:00-15:40	Chair	Prof. Dr. Fevzi ERDOĞAN	
20.05.2022	Authors	Titles	
	Esin İlhan	SOME NEW SOLITON SOLUTIONS OF TIME FRACTIONAL RESONANT DAVEY-STEWARTSON EQUATIONS	
	Özlem Defterli	ABOUT NEW MATHEMATICAL APPROACHES IN FRACTIONAL BIOLOGICAL MODELLING	
	Halil Anaç	THE NEW SOLUTIONS OF CONFORMABLE FRACTIONAL WHITHAM-BROER-KAUP EQUATIONS	
	Esin İlhan	NOVEL SOLUTION FOR DETERMINISTIC TYPHOID FEVER MODEL WITHIN THE FRAME OF FRACTIONAL ORDER	
	Iqbal H. Jebril, Iqbal M. Batiha, Abeer A. Al-Nana, Adel Ounnas, Shaher Momani	AN APPLICABLE CONDITION FOR ASSESSING THE STABITLTY OF LINEAR FRACTIONAL DIFFERENTIAL SYSTEMS	

Coffee Break

15:40-16:00

201 (Applied Sciences)

16:00-17:40	Chair	Prof. Dr. Selahattin MADEN
20.05.2022	Authors	Titles
	Mehmet Korkmaz	PERFORMANCES OF FITS WHEN SOME GROWTH MODELS ARE HYPERBOLIC
	Fatih Say	SOME ASYMPTOTIC FEATURES OF HYPER-AIRY EQUATION
	Zeynep Yılmaz, Selahattin Maden, Aytül Gökçe	ANALYSING ONE PREY AND TWO PREDATORS MATHEMATICAL MODEL WITH HOLLING TYPE II RESPONSE AND FADING MEMORY
	Harun Biçer	ON THE PERIODIC SOLUTIONS OF A NONLIİNEAR DIFFERENTIAL EQUATION WITH VARIABLE DELAYS
	Sibel Özer, Selçuk Kutluay	AN EFFICIENT LINEARIZED APPROXIMATION TECHNIQUE FOR THE NON-LINEAR TWO-DIMENSIONAL COUPLED BURGERS EQUATION

202 (Geometry)

202 (Geometry)		
14:00-15:40 20.05.2022	Chair	Dr. Öğr. Üyesi Süleyman ŞENYURT
	Authors	Titles
	Davut Canlı, Süleyman Şenyurt	BEZIER CURVES AND PATCHES WITH MODIFIED BERNSTEIN BASIS
	Abdussamet Çalışkan	NON-CANAL CIRCULAR SURFACES GENERATED BY SPECIAL CURVES WITH ALTERNATIVE FRAME AND QUATERNION
	Süleyman Şenyurt, Davut Canlı, Elif Çan	SOME SPECIAL SMARANDACHE RULED SURFACES ACCORDING TO FRENET FRAME IN E3 -II
	Yanlin Li Süleyman Şenyurt, Ahmet Özduran, Davut Canlı	THE CHARACTERIZATIONS OF EQUIDISTANT RULED SURFACES GENERATED BY BINORMAL VECTORS
	Liliana Guran, Monica-Felicia Bota, Gabriela Petrusel	FIXED POINTS AND COUPLED FIXED POINTS IN B-METRIC SPACES VIA GRAPHICAL CONTRACTIONS
	Süleyman Şenyurt, Eda Öztürk	ADJOINT CURVES FROM THE MODIFIED FRAME OF INVOLUTE CURVE
	Süleyman Şenyurt, Davut Canlı, Elif Çan	SOME SPECIAL SMARANDACHE RULED SURFACES ACCORDING TO FRENET FRAME IN E3 -III

15:40-16:00 Coffee Break

202 (Engineer	ing Sciences)	
16:00-17:40	Chair	Prof. Dr. Rengin AK
20.05.2022	Authors	Titles
	Yasemin Akgün	THERMAL INSULATION PERFORMANCES OF FOAMED MORTARS CONTAINING BENTONITE BLENDED CEMENTS
	Zakaria El Malki, Anass El Karkri, Imane EL Mhamedi, Mohammed Bouachrine, Françoise SereinSpirau	COMPUTATIONAL AND SIMULATION STUDY OF ORGANIC SOLAR CELLS BASED ON DONOR –ACCEPTOR MOLECULAR MATERIAL
	Şükrü Kitiş, Hanife Göker	PERFORMANCE EVALUATION OF MACHINE LEARNING ALGORITHMS FOR DETECTING EATING AND PHYSICAL STATUS BASED OBESITY STAGES
	Erdem Türkeli	THE WIND LOAD CALCULATION OF A MASONRY MINARET BY USING DIN1056 STANDARD
205 (Analysis)	
14:00-15:40	Chair	Prof. Dr. Çiğdem BEKTAŞ
20.05.2022	Authors	Titles
	Rifat Çolak, Çiğdem Asma Bektaş	(□mv)u - GENERALIZED WEIGHTED STATISTICAL CONVERGENCE
	Ayşe Güven Sarıhan, Oscar F. Bandtlow	A FIXED POINT THEOREM IN B-METRIC SPACES AND AN APPLICATION TO SPECTRAL ASYMPTOTICS OF SOLUTIONS OF OPERATOR EQUATIONS
	Mustafa I.Hatim, Çiğdem A. Bektaş	A STUDY ON SOME SEQUENCE SETS BASED ON LUCAS BAND MATRIX AND MODULUS FUNCTIONS
	Emine Özçelik, Çiğdem Bektaş	SOME RELATIONS BETWEEN THE SETS OF Δ_y^m (f) - STATISTICAL CONVERGENCE OF ORDER α
	Nihan Güngör	ON SOLUTION OF THE NON-NEWTONIAN VOLTERRA INTEGRAL EQUATIONS WITH CONVOLUTION KERNEL
15:40-16:00	Coffee Break	
205 (Applied S	Sciences)	
16:00-17:40	Chair	Prof. Dr. Esin ESKİTAŞÇIOĞLU
20.05.2022	Authors	Titles
	Arzu Bal, Numan Yalçın, Mutlu Dedetürk	ON SOLUTIONS OF INTEGRAL EQUATIONS IN GEOMETRIC ANALYSIS
	Mehmet Yavuz, Fırat Evirgen, Fatma Özköse, Necati Özdemir	AN OPTIMAL CONTROL STRATEGY FOR COVID-19 USING REAL DATA
	Emel Biçer	APPLICATION OF MAHGOUB TRANSFORM TO HYERS-ULAM STABILITY OF PARTIAL DIFFERENTIAL EQUATIONS

NUMERICAL INVESTIGATION OF PARTICLE DISTRIBUTION IN

ANALYSIS OF CRYPTOGRAPHIC HASH FUNCTIONS FOR

A CYLINDRICAL CHANNEL

BLOCKCHAIN TECHNOLOGY

Eren Çolak, Ali Keleş

Muharrem Tuncay Gencoglu

206 (Applied Sc	eiences)	
14:00-15:40	Chair	Prof. Dr. Onur Alp İLHAN
20.05.2022	Authors	Titles
	Guillaume Leduc	EDGEWORTH SERIES EXPANSION FOR OPTION PRICES
	M. Taher Omar, Shelan Saied Ismaeel	COMPARE K-NEAREST NEIGHBOR METHOD WITH KERNEL MODEL IN NONPARAMETRIC FUNCTIONAL REGRESSION
	Onur Alp İlhan, Jalil Manafian	APPLICATION OF $tan((\Phi(\xi))/2)$ -EXPANSION SCHEME FOR SOLVING TWO NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS ARISING IN CHEMICAL AND BIOLOGICAL PHENOMENA
	Fatma Karaca Vural, İ. Onur Kıymaz	INVESTIGATION OF THE EFFECT OF VACCINATION IN TURKEY ON PNEUMONIA CASES CAUSED BY COVID-19 WITH A SEIR TYPE MODEL
	Fernando S. Vidal Causanilles, Haci Mehmet Baskonus, Juan Luis Garcia Guirao, German Rodriguez Bermude	ON THE COMPLEX CHARACTERISTICS INTO THE LONG JOSEPHSON JUNCTION MODEL
15:40-16:00	Coffee Break	
206 (Fractional)	
16:00-17:40	Chair	Dr. Öğr. Üyesi Esin İLHAN
20.05.2022	Authors	Titles
20.00.2022	Asifa Poom Kumam	A FRACTIONAL MODEL TO INVESTIGATE SHAPE EFFECTS ON THERMAL BEHAVIOR OF BRINKMAN-TYPE FERROFLUID UNDER THERMAL RADIATION AND HEAT INJECTION/ CONSUMPTION
	Talha Anwar, Asifa Poom Kumam	FRACTIONAL MODELING AND EXACT SOLUTIONS TO ANALYZE THERMAL PERFORMANCE OF FE3O4-MOS2- WATER HYBRID NANOFLUID FLOW OVER AN INCLINED SURFACE
	Arran Fernandez	THINK BEFORE YOU DEFINE: ON CONJUGATION RELATIONS AND OTHER CONNECTIONS
	Enes Ata	APPLICATION OF FRACTIONAL OPERATORS TO MODIFIED SPECIAL FUNCTIONS
	Güven Kaya	NEIMARK-SACKER BIFURCATION IN A PREY-PREDATOR MODEL WITH CONFORMABLE FRACTIONAL DERIVATIVE
301 (Education	Science)	
14:00-15:40	Chair	Prof. Dr. Erol TAŞ
20.05.2022	Authors	Titles
	Himmet Korkmaz , Kevser Kurucu Bayhan, Mahmut Kertil	MATHEMATICS TEACHERS' VIEWS ABOUT THE TRANSITION FROM ONLINE TEACHING TO FACETO- FACE EDUCATION
	Himmet Korkmaz, Serbay Duran	INVESTIGATING THE DIFFICULTIES OF REFUGEE STUDENTS IN MATHEMATICS COURSE
	Gökçe İrem Kızılkaya, Elif Çil, Sevda Türkiş	DETERMINING THE SUSTAINABLE CONSUMPTION BEHAVIORS OF TEACHER CANDIDATES
	Ertuğrul Akgül, Elif Çil	OPINIONS OF TEACHER CANDIDATES ON WEB 2.0 TOOLS AND THEIR USAGE IN EDUCATION
	Esma Kurban, Fatmanur Büyükbayraktar	OPINIONS OF PRE-SERVICE SCIENCE TEACHERS ABOUT VIRTUAL TOURS TO SCIENCE CENTERS
15:40-16:00	Coffee Break	

	301 (Topology)		
		Chair	Doç. Dr. Rıdvan Şahin
	16:00-17:40 20.05.2022	Authors	Titles
	20.03.2022	Tuğçe Kunduracı, Ceren Sultan Elmalı, Tamer Uğur	TEXTURE SPACE ASSOCIATED WITH GRAPHS
		Rıdvan Şahin	A NEUTROSOPHIC CORRELATION COEFFICIENT AND ITS APPLICATION IN RECOGNITION OF PATTERNS
		Rıdvan Şahin	NEW DISTANCE MEASURE FOR NEUTROSOPHIC SETS AND ITS APPLICATION IN MEDICAL DIAGNOSIS
		İrem Eroğlu	ON SOME FIXED POINT THEOREMS IN QUASIMETRIC SPACES AND ITS APPLICATIONS
		Gülay Oğuz	SOFT TOPOLOGICAL HYPERVECTOR SPACES
	306 (Applied Science	s)	
	14:00-15:40	Chair	Prof. Dr. Alaattin ESEN
	20.05.2022	Authors	Titles
		Hatice Karabenli, Alaattin Esen, N. Murat Yağmurlu	A NUMERICAL APPROACH FOR SAWADA-KOTERA EQUATION WITH TRIGONOMETRIC QUINTIC B-SPLINE COLLOCATION METHOD
		Hatice Karabenli, Alaattin Esen, Yusuf Uçar	A COLLOCATION FINITE ELEMENT SOLUTION FOR THE FRACTIONAL FOKKER-PLANCK PROBLEM
		Güllü Esra Köse, Yusuf Uçar, Alaattin Esen	ON THE NUMERICAL SOLUTIONS OF TIME FRACTIONAL FITZHUGH NAGUMO EQUATION WITH FORCED TERM
		Berat Karaağaç. Nuri Murat Yağmurlu, Alaattin Esen	NOVEL NUMERICAL SOLUTIONS OF TIME FRACTIONAL KORTEWEG-DE VRIES-BURGERS EQUATION
		Ayşe Kübra Demirel	
	15:40-16:00	Coffee Break	
	306 (Geometry)		
	16:00-17:40	Chair	Prof. Dr. Mehmet BEKTAŞ
	20.05.2022	Authors	Titles
		Zuhal Küçükarslan Yüzbaşı, Sevinç Taze	NOTES ON SURFACES WITH CONSTANT MEAN CURVATURE ALONG A GIVEN CURVE IN THE LIE GROUP
		Sümeyye Gür Mazlum, Mehmet Bektaş	ON THE MODIFIED ORTHOGONAL FRAMES OF THE NON- UNIT SPEED CURVES IN EUCLIDEAN SPACE E3
		Olgun Durmaz, Büşra Aktaş, Halit Gündoğan	ON THE TOPOLOGIES IN DUAL SPACE AND THE ANALYTICITY OF DUAL FUNCTIONS
		Meltem Öğrenmiş	FRACTIONAL INVARIANTS OF CURVES IN LORENTZIAN PLANE
		Mehmet Akif Akyol, Yılmaz Gündüzalp	SOME PROPERTIES ON POINTWISE SEMI-SLANT RIEMANNIAN MAPS (PSSRM)
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SOME PROPERTIES OF CURVES WITH FRACTIONAL

DERIVATIVE IN EUCLIDEAN SPACES

Meltem Öğrenmiş

308 (Fractional)

308 (Fractional	•		
14:00-15:40	Chair	Doç. Dr. Mehmet Gıyas SAKAR	
20.05.2022	Authors	Titles	
	Mehmet Gıyas Sakar	A NEW REPRODUCING KERNEL APPROACH FOR NONLINEAR VARIABLE ORDER FRACTIONAL VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS	
	Onur Saldır, Mehmet Gıyas Sakar	A NUMERICAL APPROACH FOR SINGULAR BOUNDARY VALUE PROBLEM	
	Onur Saldır	A NEW APPROACH FOR NUMERICAL SOLUTION OF FOURTH ORDER EMDEN-FOWLER EQUATION	
	Münevver Tuz		
15:40-16:00	Coffee Break		
308 (Algebra)			
16:00-17:40	Chair	Dr. Öğr. Üyesi Erdal ÜNLÜYOL	
20.05.2022	Authors	Titles	
	M. Younus Bhat	WIGNER-VILLE DISTRIBUTION AND AMBUGUITY FUNCTION ASSOCIATED WITH QUATERNION OFFSET LINEAR CANONICAL	
	M. Younus Bhat	UNCERTAINTY PRINCIPLES FOR THE SHORT-TIME NON- SEPARABLE LINEAR CANONICAL TRANSFORM	
	Gül Deniz Çaylı	A NEW CONSTRUCTION METHOD FOR TRIANGULAR NORMS AND TRIANGULAR CONORMS ON BOUNDED LATTICES	
	Aziz Büyükkaragöz, Erdal Ünlüyol	GRAPH STRUCTURE OF A SPECIAL CONGRUENCE SUBGROUP OF THE EXTENDED MODULAR GROUP	
19:00-21:00	GALA DINNER WITH MUSIC PROGRAM IN FATSA-FANIZAN RESTAURANT-		
5/21/2022	/2022		
10:30-11:00	PLENARY LECTURE (EDUCAT	ION FACULTY-HALL-105)	
10.00 11.00	Speaker: Prof. Dr. Hossein JAFARI		
	Title: A COMPARISON ON SOME INTEGRAL TRANSFORMS		
	Chair: Prof. Dr. Mikail ET		
11:00-11:15	Coffee Break		
11:15-11:45	PLENARY LECTURE (EDUCAT	ION FACULTY-HALL-105)	
	Speaker: Prof.Dr. Hüseyin MERDAN		
	Title: COMPLEX DYNAMICS OF A RATIO-DEPENDENT POPULATION MODEL: STABILITY, BIFURCATIONS AND CHAOS		
	Chair: Prof. Dr. Zakia Hammouch		
11:45-12:00	Coffee Break		
12:00-12:30	PLENARY LECTURE (EDUCAT	ION FACULTY-HALL-105)	
	Speaker: Prof.Dr. Erhan COŞKU	N	
	Title: MATHEMATICAL METHOD CASE STUDIES	S IN INDUSTRIAL MATHEMATICS: A REVIEW FROM RECENT	
	Chair: Prof. Dr. Rifat ÇOLAK		
12:30-14:00	LUNCH (ORDU UNIVERSITY SO	OCIAL FACILITIES)	

201 (Applied Sciences)

zui (Applied Sciences)			
14:00-15:40	Chair	Dr. Öğr. Üyesi Fatma Berna BENLİ	
21.05.2022	Authors	Titles	
	Hajar F. Ismael, Arif Özkul, Hasan Bulut	ON THE COMPLEX SOLITON SOLUTIONS TO THE HIROTA— SATSUMA— ITO EQUATION	
	Hasan Bulut, Ercan Çelik, Salisu Ibrahim, Tukur Abdulkadir Sulaiman, Abdullahi Yusuf	SOLUTIONS TO THE (N+1)-DIMENSIONAL NLSE EQUATION WITH M-TRUNCATED DERIVATIVE	
	Sibel Tarla, Karmina K. Ali, Resat Yilmazer	NEW EXACT SOLUTIONS OF THE COUPLED-HIGGS EQUATION USING THE PHI^6-MODEL EXPANSION METHOD	
	Karmina K. Ali, Sibel Tarla, Resat Yilmazer	DYNAMIC BEHAVIOR OF THE FOKAS SYSTEM ARISING IN MONOMODE OPTICAL FIBERS THROUGH THE UNIFIED AUXILIARY EQUATION METHOD	
15:40-16:00	Coffee Break		
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201 (Applied Sciences)

	(pp)		
16:00-17:40 21.05.2022	Chair	Doç. Dr. Berat KARAAĞAÇ	
	Authors	Titles	
	Tolga Aktürk, M. Kübranur Dikici	ANALYSIS OF TRAVELING WAVE SOLUTIONS OF NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS	
	Hasan Bulut, Sümeyye Kılbitmez, Tukur A Sulaiman, Abdullahi Yusuf	SOLITARY WAVE SOLUTIONS TO A NONLINEAR MATHEMATICAL MODEL	
	Hasan Bulut, Sümeyye Kılbitmez, Tukur A Sulaiman, Abdullahi Yusuf	SOLITARY WAVE SOLUTIONS TO A NONLINEAR MATHEMATICAL MODEL	
	Yusuf Gurefe, Yusuf Pandır, Tolga Akturk	ANALYSIS OF THE EFFECT OF THE CORIOLIS CONSTANT ON THE GPKDV EQUATION	
	Aslı Alkan, Tolga Aktürk, Nesrin Güllüoğlu, Hasan Bulut	THE TRAVELING WAVE SOLUTIONS OF DATE-JIMBO- KASHIWARA-MIİWA EQUATION WITH CONFORMABLE DERIVATIVE DEPENDENT ON TIME PARAMETER	

202 (Applied Sciences)

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14:00-15:40 21.05.2022	Chair	Doç. Dr. Gülay OĞUZ
	Authors	Titles
	Derya Deniz, Mücahit Saydam	ON THE SOLUTION OF PAVLOV EQUATION BY THE VARIATIONAL ITERATION METHOD
	Elif Başkaya	AN APPROXIMATION METHOD FOR THE EIGENVALUE OF A STURM-LIOUVILLE PROBLEM
	Gülnur Yel, Beyhan Kemaloglu, Hasan Bulut	A NOVEL ANALYTICAL APPROACH TO THE BENJAMIN-ONO EQUATION
	Muhammad Abubakar Isah, Asıf Yokuş	A NOVEL TECHNIQUE TO CONSTRUCT EXACT SOLUTIONS FOR THE COMPLEX GINZBURG-LANDAU EQUATION USING QUADRATIC-CUBIC NONLINEARITY
15:40-16:00	Coffee Break	

202 (Analysis)

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16:00-17:40 21.05.2022	Chair	Prof. Dr. Erhan SET
	Authors	Titles
	Besik Dundua	PpLog: A LANGUAGE FOR EXACT AND APPROXIMATE REASONING
	Nazlı Karaca	SOME CONVERGENCE RESULTS FOR A NEW GENERALIZED NONEXPANSIVE MAPPINGS IN UNIFORMLY CONVEX HYPERBOLIC SPACE
	Emine Funda Okumuş	RELATIVE TL BI-IDEAL, TL QUASI IDEAL, TL INTERIOR IDEAL
	Hasen Mekki Öztürk	SPECTRA OF A LINEAR PENCIL OF PENTA DIAGONAL MATRICES
	Cemal Belen	TAUBERIAN THEOREMS FOR THE STATISTICALLY (N,P) SUMMABLE INTEGRALS

205 (Applied Science)

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14:00-15:40 21.05.2022	Chair	Doç. Dr. Mehmet KORKMAZ
	Authors	Titles
	Mehmet Korkmaz, Elif Özkurt Başustaoğlu	A STUDY ON THE GENERALIZATION OF SOME SIGMOIDAL GROWTH MODELS
	Salisu Ibrahim, Tukur Abdulkadir Sulaiman, Abdullahi Yusuf, Ilhame Amirali, Usman Younas, Hasan Bulut	OPTICAL SOLITONS TO THE GENERALIZED HIGHER-ORDER NONLINEAR SCHRODINGER EQUATION ARISING IN OPTICAL FIBERS
	Zulqurnain Sabi, Haci Mehmet Baskonus, Fevzi Erdoğan	A NUMERICAL STOCHASTIC COMPUTING PARADIGMS FOR THE NONLINEAR SINGULAR DELAY DIFFERENTIAL PROBLEMS
	Adneme Arbi, Najeh Tahri	DYNAMICS OF PSEUDO ALMOST ANTI-PERIODIC SOLUTION OF DELAY DIFFERENTIAL EQUATIONS ON TIME SCALES
15:40-16:00	Coffee Break	

205 (Engineering Sciences)

205 (Engineering Sciences)			
16:00-17:40 21.05.2022	Chair	Doç. Dr. M. Tuncay GENÇOĞLU	
	Authors	Titles	
	Gökçe Çaylak Kayaturan	TO ALTERNATE THE ROUTES ENCODED BY BLOOM FILTERS IN COMPUTER NETWORKS REPRESENTED BY GRAPHS	
	Sefa Yıldırım, Beyza Canbolat, M.Enes Güngör, Şahin Akdoğan, Lokman Kuzu	Co-Co ANTENNA DESIGN AND MANUFACTURING	
	Ali Öz, Oğuzhan Çelebi, Gökhan Kaplan, Barış Bayrak, Haluk Görkem Alcan, Abdulkadir Cüneyt Aydın	THE EFFECT OF POLYVINYL ALCOHOL FIBER ON THE MECHANICAL PROPERTIES OF HIGH STRENGTH GEOPOLYMER CONCRETES	
	Gökhan Kaplan, Oğuzhan Çelebi, Ali Öz, Haluk Görkem Alcan, Barış Bayrak, Abdulkadir Cüneyt Aydın	MECHANICAL PROPERTIES OF METAKAOLIN BASED GEOPOLYMERS USING WASTE GEOPOLYMER POWDER AND LIME	

206 (Applied Sciences)				
14:00-15:40 21.05.2022	Chair	Prof. Dr. Sibel ÖZER		
	Authors	Titles		
	Ömer Oruç	A COMBINED FINITE DIFFERENCE COLLOCATION METHOD FOR FITZHUGH NAGUMO EQUATION		
	Arzu Aykut	THE CONSECUTIVE SUBSTITUTION METHOD FOR THE BOUNDARY VALUE PROBLEM		
	Noorolhuda Wyal, Erhan Coşkun	DSTABIL: A MATLAB PACKAGE FOR STABILITY ANALYSIS AND ANALYTICAL/NUMERICAL SOLUTION OF LINEAR DELAY DIFFERENTIAL EQUATION SYSTEMS		
	Ayşe Kabataş	AN EIGENVALUE PROBLEM WITH A SPECTRAL PARAMETER IN BOUNDARY CONDITIONS		
	Rıdvan Yaprak, Erhan Coşkun	A WOUND/SLOUGH MODEL ACCOUNTING FOR CELLULAR DIFFUSION AND DEBRIDEMENT		

15:40-16:00

Coffee Break

206(Fractional)

16:00-17:40)
21.05.2022	

Chair	Doç. Dr. Muhittin Evren AYDIN
Authors	Titles
Aslı Alkan, Tolga Aktürk, Hasan Bulut	THE PERIODIC WAVE SOLUTIONS OF CONFORMABLE TIME-FRACTIONAL MATHEMATICAL MODEL BY ANALYTICAL METHOD
Muhittin Evren Aydin, Seyma Kaya	USE OF FRACTIONAL DERIVATIVE IN DIFFERENTIAL GEOMETRY
S.Şule Şener Kılıç Ercan Çelik Hasan Bulut	SOLUTION OF (2+1)-DIMENSIONAL QUANTUM ZAKHAROV-KUZNETSOV EQUATIONS USING THE THE MODIFIED EXP($-\Omega(\xi)$)-EXPANSION FUNCTION METHOD
Berat Karaagac, Alaattin Esen, Ercan Çelik, Edson Pindza	NUMERICAL DYNAMICS OF VARIABLE ORDER FRACTIONAL BENNEY-LIN EQUATION VIA FINITE ELEMENT COLLOCATION METHOD
Elham Sefidgar, Ercan Çelik, Babak Shırı	COMPLEX TRANSFORM METHOD FOR SYSTEM OF FRACTIONAL DIFFERENTIAL EQUATIONS AND APPLICATIONS
Haci Mehmet Baskonus, Wei Gao	INVESTIGATION OF OPTICAL SOLITONS TO THE NONLINEAR COMPLEX KUNDU-ECKHAUS AND ZAKHAROV-KUZNETSOV-BENJAMIN-BONAMAHONY EQUATIONS IN CONFORMABLE
Güven Kaya	STABILITY AND BIFURCATION ANALYSIS OF A FRACTIONAL ORDER POPULATION MODEL WITH PIECEWISE CONSTANT ARGUMENTS
Güven Kaya	NEIMARK-SACKER BIFURCATION IN A PREY-PREDATOR MODEL WITH CONFORMABLE FRACTIONAL DERIVATIVE

301 (Education	nal Sciences)	
14:00-15:40	Chair	Doç. Dr. Meral CANSIZ AKTAŞ
21.05.2022	Authors	Titles
	Zeynep Kübra Kazan, Sevda Türkiş, Elif Çil	A DOCUMENT ANALYSIS ON THE EFFECT OF FINLAND AND TURKISH EDUCATION SYSTEMS ON PISA SUCCESS
	Berat Gevşek, Elif Çil	EVALUATION OF TEACHER CANDIDATES' BIOTECHNOLOGY KNOWLEDGE LEVELS AND ATTITUDES TOWARDS BIOTECHNOLOGY
	Büşra Uygun, Meral Cansız Aktaş	EXAMINATION OF 8th GRADE STUDENTS' OPINIONS ON MODEL ELICITING ACTIVITIES
	Gizem Nur Battal, Meral Cansız Aktaş	EXAMINING OF MIDDLE SCHOOL 7TH GRADE STUDENTS' PROBLEM POSING STATUS ABOUT 'EQUALITY AND EQUATION'
	Şafak Nur Duman, Meral Cansız Aktaş	ANALYSIS OF PROBLEMS POSED BY PRESERVICE ELEMENTARY MATHEMATICS TEACHERS FOR THE ADDITION AND SUBTRACTION OF FRACTIONS
15:40-16:00	Coffee Break	
301 (Algebra)		
16:00-17:40	Chair	Doç. Dr. Yıldıray ÇELİK
21.05.2022	Authors	Titles
	Yıldıray Çelik	NEW OPERATION TYPES ON INTERVAL-VALUED NEUTROSOPHIC SOFT SETS
	Yıldıray Çelik, Gül Ergün	A NEW VIEW ON INTUITIONISTIC FUZZY SOFT GRAPHS
	Gökhan Yüce, Yıldıray Çelik	APPLICATIONS OF COMPLEX FUZZY SOFT SETS IN RING THEORY
	Ümmügülsüm Akbaba, Ali Hikmet Değer, Tolga Berber	AN ALGORITHM FOR THE VERTICES ON THE PATHS OF MINIMAL LENGTH IN THE SUBORBITAL GRAPHS
	Ümmügülsüm Akbaba, Ali Hikmet Değer	PELL AND PELL-LUCAS NUMBERS IN SUBORBITAL GRAPHS
	Canan Çiftçi, Adel P. Kazemi	TOTAL DOMINATOR CHROMATIC NUMBER OF LEXICOGRAPHIC PRODUCT OF A CYCLE TO A GRAPH
	Engin Özkan, Mine Uysal	ON A GENERALIZATION OF MERSENNE HYBRID NUMBERS
306 (Engineer	ing Sciences)	
14:00-15:40	Chair	Doç. Dr. Asıf YOKUŞ
21.05.2022	Authors	Titles
	Furkan Şimşek, Şükrü Kitiş	ARDUINO BASED DIGITAL TACHOMETER WITH TRACKING PROGRAM
	Bahadır Yüzbaşı	BIG DATA ANALYTICS VIA PENALIZED ESTIMATION
	Çimen Gül Kuluşaklı, Mustafa Birinci	FINE GRINDING OF MARBLE WASTE: PRELIMINARY TEST RESULTS
15:40-16:00	Coffee Break	

306 (Applied Sciences)			
16:00-17:40 21.05.2022	Chair	Dr. Öğr. Üyesi Canan ÜNLÜ	
	Authors	Titles	
	Canan Ünlü	ON A HOMOGENEOUS-HETEROGENEOUS REACTIONS WITH NEWTONIAN HEATING IN FLOW OF A THIRD GRADE FLUID	
	Hasan Gündüz, Ercan Çelik	COMPUTATION OF H_∞-NORM OF A TRANSFER MATRIX VIA BISECTION ALGORİTHM	
	M. Ali Akbar, Md. Ekramul Islam, Fatma Berna Benli, Onur Alp İlhan	SOLITARY WAVE SOLUTIONS TO NLEES FOR HIGHER BALANCE NUMBER THROUGH THE MODIFIED SIMPLE EQUATION METHOD	
	Tuğba Yazgan, Esin İlhan, Ercan Çelik, Hasan Bulut	THE SINE-GORDON EXPANSION METHOD AND THE MODIFIED EXPANSION FUNCTION METHOD FOR NEW HYPERBOLIC WAVE SOLUTIONS OF WU-ZHANG SYSTEM MODELS	
	Münevver Tuz, Asıf Yokuş	INVESTIGATION OF SOLITARY WAVE SOLUTIONS FOR THE NONLINEAR (2 + 1) -DIMENSIONAL TYPICAL REFRACTION EQUATION	
308 (Analysis)			
14:00-15:40	Chair	Prof. Dr. Halit ORHAN	
21.05.2022	Authors	Titles	
	Murat Candan	SEVERAL PROPERTIES OF COMPACT OPERATORS ON SOME GENERALIZED FIBONACCI DIFFERENCE SEQUENCE SPACES	
	Murat Candan	OPERATORS ON SOME VECTOR-VALUED ORLICZ DIFFERENCE SEQUENCE SPACES	
	Murat Candan	SOME RESULTS ON CONVERGENCE OF SOFT SEQUENCES IN SOFT TOPOLOGICAL SPACES	
15:40-16:00	Coffee Break		
308 (Education	al Sciences)		
16:00-17:40	Chair	Dr. Öğr. Üyesi Serbay DURAN	
21.05.2022	Authors	Titles	
	Süleyman Dölek, Elif Çil, Sevda Türkiş	WEB 3.0 (SEMANTICS) APPLICATIONS IN EDUCATION	
	Fatma Erdoğan, Sude Ay	CONTENT ANALYSIS OF THE THESES ABOUT MATHEMATICAL PATTERN IN TURKISH CONTEXT	
	Fatma Erdoğan, Neslihan Gül	A NEW TASK FOR MATHEMATICALLY GIFTED STUDENTS: CONSECUTIVE NUMBERS TRIANGLE	
	Serbay Duran, Himmet Korkmaz	EXAMINING SECONDARY MATHEMATICS TEACHERS' OPINIONS ABOUT THE EMERGED PROBLEMS DURING THE TEACHING OF MATHEMATICS	
	Zeki Taştan, Esra Alkan	THE MATHEMATICAL MIRACLE OF AN 80 MINUTE MEMORY	
	Hüseyin Samancı, Serbay Duran	OMAR KHAYYAM'S PLACE AND IMPORTANCE IN THE HISTORY OF MATHEMATICS	
18:00-19:30-SHIP TOUR			
20:00-23:00	DINNER WITH MUSIC PROGRAM IN ORDU UNIVERSITY SOCIAL FACILITIES		

POSTER PRESENTATIONS

POSTER-1	Samet Uytun	EIGENFUNCTION EXPANSIONS FOR A STRUM-LIOUVILLE OPERATOR FOR THE CASE OF AN INFINITE INTERVAL
POSTER-2	Habia Akter, Rupert Young	APPLICATION OF A GENETIC ALGORITHM FOR GENERATING REGULAR AND IRREGULAR NATURAL FRACTAL PATTERNS
POSTER-3		
POSTER-4		
POSTER-5		
POSTER-6		
POSTER-7		

POSTERS PRESENTATIONS WILL BE PRESENTED at 14.30-18.00 on 20.05.2022 and 22.05.2022

CONFERENCE PROGRAM (ONLINE)

5/22/	2022
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10:30-11:00 PLENARY LECTURE (ONLINE)

https://ncx.uzem.odu.edu.tr/b/kon-560-yhb-d5r

Speaker: Prof. Dr. Maria Alessandra Ragusa

Title: THE INTERACTION OF MINIMIZERS OF FUNCTIONALS AND VANISHING MEAN

OSCILLATION FUNCTIONS

Chair: Prof. Dr. Dumitru BALEANU

11:00-11:15

Coffee Break

11:15-11:45 PLENARY LECTURE (ONLINE)

https://ncx.uzem.odu.edu.tr/b/kon-560-yhb-d5r

Speaker: Prof.Dr. Juan Luis GARCÍA GUİRAO

Title: SHANNON-WHITTAKER-KOTEL'NIKOV'S THEOREM GENERALIZED

Chair: Prof. Dr. Haci Mehmet BASKONUS

11:45-12:00

Coffee Break

12:00–12:30 PLENARY LECTURE (ONLINE)

https://ncx.uzem.odu.edu.tr/b/kon-560-yhb-d5r

Speaker: Prof.Dr. Oscar CASTILLO

Title: TYPE-2 FUZZY SYSTEMS AND FUTURE TRENDS FOR TYPE-3: THEORY AND

APPLICATIONS

Chair: Prof. Dr. Erhan SET

(Engineering Sciences)-Hall-1 https://ncx.uzem.odu.edu.tr/b/kon-okp-y5g-xy8

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14:00-15:40 22.05.2022	Chair	Prof. Dr. Reşat YILMAZER	
	Authors	Titles	
	Oguzhan Karahan, Hasan Karcı, Ali Tangel	TIME OPTIMAL TRAJECTORY GENERATION IN JOINT SPACE FOR 6R INDUSTRIAL SERIAL ROBOTS USING CUCKOO SEARCH ALGORITHM	
	Anass El karkri, Imane El mhamdi, Zakaria El malki, Mohamed bouachrine, Jean-Marc Sotiropoulos	SIMULATION OF A LIGHT-EMITTING DIODE BASED ON ORGANIC MATERIALS UNDER ATLAS-SILVACO	
	Imane EL Mhamedi, Anass El Karkri, Zakaria El Malki, Mohammed Bouachrine, Françoise Serein-Spirauc	HIGH-PERFORMANCE OF ORGANIC SOLAR CELLS BASED ON D1- BT-EDOT-BT-D2-A/PCBM STRUCTURES	
	Habiba Akter	EVOLUTIONARY COMPUTATION FOR MULTI-CONSTRAINED PATH SELECTION ALGORITHM ON THE INTERNE	
	Oğuzhan Taş, Amani Yahyaoui	MACHINE LEARNING BASED INTRUSION DETECTION SYSTEM USING GRAY WOLF OPTIMIZATION FOR FEATURE SELECTION	
	Hicran Gümüşbaş, Ulaş Vural	SEGMENTATION OF ELECTRICITY SUBSCRIBERS BASED ON THE CONSUMPTION PATTERNS	
	Damla Okulu, Fatih Selimefendigil, Hakan F. Öztop	SIMULATION OF THERMOELECTRIC ENERGY CONVERSION FOR DIFFERENT THERMOELECTRIC DEVICE INSTALLATIONS IN A CHANNEL FLOW OPERATING WITH AIR AND HYBRID NANOFLUIDS	

(Engineering Sciences)-Hall-2 https://ncx.uzem.odu.edu.tr/b/kon-j3d-7m5-aaz

16:00-17:40 22.05.2022	Chair	Prof. Dr. Kürşad ÖZKAN
	Authors	Titles
	Kürşad Özkan, Serkan Özdemir, Ali Şenol, Ecir Uğur Küçüksille	A NEW SPECIES RICHNESS MEASURE IMPROVED FROM MARGALEF AND MENHINICK
	Serkan Özdemir, Ecir Uğur Küçüksille, Serkan Gülsoy, Özdemir Şentürk, Mehmet Güvenç Negiz, Halil Süel, Ahmet Mert, Kürşad Özkan	MODELING OF SPECIES DISTRIBUTIONS WITH DEEP LEARNING METHOD
	Alican Çıvğa, Serkan Özdemir, Serkan Gülsoy	MODELING POTENTIAL DISTRIBUTION OF CAPPARIS SPINOSA IN BABADAG REGION
	Kürşad Özkan, Mehmet Güvenç Negiz, İbrahim Özdemir	STRUCTURAL DIVERSITY ANALYSIS USING SHANNON'S ENTROPY AND INFORMATION MEASURES
	Ayşegül Tekeş	DETERMINATION OF INDICATOR PLANT SPECIES BY INDICATOR ANALYSIS IN RED PINE (PINUS BRUTIA TEN.) AND BLACK PINE (PINUS NIGRA J.F.ARNOLD) FORESTS IN BOZDAGLAR REGION
	Ahmet Acarer, Halil İbrahim Ürkmez, Ali Şenol, Ahmet Mert	THE POTENTIAL DISTRIBUTION OF TEUCRIUM CHAMAEDRYS L. IN TURKEY

(Enginerring Sciences)-Hall-3 https://ncx.uzem.odu.edu.tr/b/kon-rvq-ohe-wdd

14:00-15:40
22.05.2022

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Chair	Prof. Dr. Kürşad ÖZKAN
Authors	Titles
Özdemir Şentürk, Ahmet Mert	CALCULATING AND MAPPING OF TOPOGRAPHIC COMPLEXITY USING ENTROPY EQUATIONS
Mertcan Gülben, Emirhan Berberoğlu, Zeynep Öz, Murat Görgöz, Candan Aykurt, Kürşad Özkan, Özdemir Şentürk	ESTIMATING SAMPLE COMPLETENESS FOR BIODIVERSITY ASSESSMENT BASED ON TREE AND SHRUB SPECIES IN SARIKAYA WLDA/ANTALYA
Halil Süel, Mahmut Tokmak, Akın Kıraç	CLASSIFICATION OF CAMERA TRAP DATA USING CONVOLUTIONAL NEURAL NETWORKS
Mehmet Güvenç Negiz, Esra Özge Aygül, Tayfun İsa Aygül	TAXONOMIC DIVERSITY CALCULATION IN WOODY SPECIES: EXAMPLE OF DEDEGOL MOUNTAIN
Serkan Gülsoy, Candan Aykurt, Halil Süel, Ahmet Mert, Zeynep Öz, Ali Şenol	POTENTIAL DISTRIBUTION MODELING OF STYRAX OFFICINALIS L. IN MEDITERRANEAN ECOSYSTEMS
Mervenur Ceylan, Salih Doğan, Kürşad Özkan	DIVERSITY ANALYSING OF RAPHIGNATHOID MITES (ACARI: RAPHIGNATHOIDEA) INHABITING PÜLÜMÜR VALLEY AND ITS SURROUNDINGS

(Enginerring Sciences)-Hall-4 https://ncx.uzem.odu.edu.tr/b/kon-amc-qrt-e6z

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16:00-17:40 22.05.2022	Chair	Dr. Öğr. Üyesi Betül TURANOĞLU ŞİRİN		
	Authors	Titles		
	Betül Turanoğlu Şirin	A MULTI CRITERIA DECISION MAKING APPROACH BASED ON ENTROPY AND MOORA METHOD FOR THE MASK SELECTION PROBLEM		
	Mustafa Özdemir, Eralp Osman Erdogan	FORMULATION OF A 7-DOF HALF-CAR MODEL WITH NONLINEAR SPRINGS AND DAMPERS FOR RIDE COMFORT ANALYSIS OF IN-WHEEL-MOTOR ELECTRIC VEHICLES		
	Melisa Bal, Gizem Topaloğlu, Sevtap Erdem, M. Fatih Akay	ARTIFICIAL INTELLIGENCE BASED DEMAND PREDICTION MODELS		
	Mesut Tartuk, Furkan Taha Nurdağ, Vedat Acar, Mehmet Fatih Akay, Fatih Abut	CALL ASSISTANT APPLICATION FOR CALL CENTERS		
	Hande Yüzel, Onur Toklu, Senem Şahan Vahaplar, M. Fatih Akay, Sevtap Erdem	BLOCKCHAIN-BASED SERVICE NETWORK PORTAL		
	Hakam Youness, Gaga Ahmed, Benachir El Hadadi	RENEWABLE ENERGY IN SMART GRID: PHOTOVOLTAIC POWER MONITORING SYSTEM BASED ON MACHINE LEARNING USING ANOPEN-SOURCE IOT PLATFORM		
	Mesut Tartuk, Furkan Taha Nurdağ, Vedat Acar, Mehmet Fatih Akay, Fatih Abut	CALL ASSISTANT APPLICATION FOR CALL CENTERS		
	Fatih Coşkun, Beytullah Topçu, M. Fatih Akay	DEVELOPMENT OF A NATIONAL SMART METER SYSTEM		

(Engineering Sciences)-Hall-5 https://ncx.uzem.odu.edu.tr/b/kon-vc8-odo-ben		
14:00-15:40	Chair	Dr. Öğr. Üyesi Mustafa MUTLU
22.05.2022	Authors	Titles
	Mustafa Mutlu, Çetin Kurnaz	RECTANGULAR MICROSTRIP ANTENNA DESIGN FOR WIRELESS TECHNOLOGIES
	Afrah Said, Hanife Göker	AUTISM SPECTRUM DISORDER DETECTION USING MACHINE LEARNING ALGORITHMS
	Hanife Göker, Afrah Said	COMPARATIVE ANALYSIS OF MACHINE LEARNING ALGORITHMS FOR EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE
	Mustafa Kara	SCATTERED GEOMETRICAL OPTICS FIELD BY A PERFECTLY CONDUCTING HALF PLANE BETWEEN TWO ISOREFRACTIVE MEDIA
	Yusuf Ziya Yüksel, Şeref Doğuşcan Akbaş	STRESS ANALYSIS OF MULTI-LAYERED SOIL MEDIUM BY USING FINITE AND INFINITE ELEMENTS
	Yusuf Ziya Yüksel, Şeref Doğuşcan Akbaş	STATIC RESPONSES OF A CAVITY IN A HALF-SPACE BY USING FINITE ELEMENT METHOD
	Oğuzhan Çelebi, Barış Bayrak, Mahmut Kılıç, Abdulkadir Cüneyt Aydın	INVESTIGATION OF THE EFFECTS OF AMBIENT VIBRATIONS FILTERED AT DIFFERENT FREQUENCY RANGE ON THE DYNAMIC BEHAVIOR OF THE BUILDING
	Oğuzhan Çelebi, Barış Bayrak, Mahmut Kılıç, Abdulkadir Cüneyt Aydın	ENERGY BASED EVALUATION OF REINFORCED CONCRETE STRUCTURE AFFORDABLE BY FAR FIELD EARTHQUAKE

(Fractional)-Hall-6 https://ncx.uzem.odu.edu.tr/b/kon-7nq-84z-ot6

16:00-17:40 22.05.2022	Chair	Doç. Dr. Derya AVCI
	Authors	Titles
	Usman Younas, Jingle Ren	DIVERSITY OF WAVE STRUCTURES TO THE CONFORMABLE FRACTIONAL DYNAMICAL MODEL
	lqbal H. Jebril, Najat M. Abed Abdelqader	HYERS-ULAM STABILITY OF QUANTUM LOGIC FUZZY IMPLICATION
	Derya Avcı, Fatma Soytürk	FRACTIONAL OPTIMAL CONTROL OF AN EPIDEMIC MODELED WITH TWO TYPES OF NONLINEAR INCIDENCE RATES
	Bahar Açay	A MATHEMATICAL EXAMINATION OF THE FRACTIONAL HIV INFECTION MODEL

(Applied Sciences)-Hall-7 https://ncx.uzem.odu.edu.tr/b/kon-aq3-lv8-f0t

14:00-15:40 22.05.2022

Chair	Prof. Dr. Erdal BAŞ	
Authors	Titles	
Esma Ulutaş	ON SOLUTIONS STOCHASTIC NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS WITH CONFORMABLE DERIVATIVES	
Adneme Arbi, Najeh Tahri	DYNAMICS OF PSEUDO ALMOST ANTI-PERIODIC SOLUTION OF DELAY DIFFERENTIAL EQUATIONS ON TIME SCALES	
Kh. R. Mamedov, U. Demirbilek	SPECTRAL EXPANSIONS FOR A CLASS SECOND ORDER DIFFERENTIAL OPERATOR WITH EIGENVALUE PARAMETER CONTAINED IN THE BOUNDARY CONDITIONS	
Yücel Baltürk, Hüseyin Demir, İnci Çilingir Süngü	ON NUMERICAL SOLUTION OF TWO POINT BOUNDARY VALUE PROBLEMS WITH LINEAR SHOOTING METHOD	
Yücel Baltürk, Hüseyin Demir, İnci Çilingir Süngü	ON NUMERICAL SOLUTION OF LID DRIVEN PROBLEM IN A SQUARE CAVITY FILLED WITH NANOFLUID	
Mine Babaoğlu	EXACT SOLUTIONS OF GOURSAT PROBLEMS INVOLVING MIXED PARTIAL DERIVATIVES VIA HOMOTOPY ANALYSIS METHOD	
Zulqurnain Sabir, Ayşe Nur Akkılıç, Hasan Bulut	A STOCHASTIC COMPUTING HEURISTIC SCHEME FOR SOLVING A NOVEL THIRD ORDER PERTURBED DELAY DIFFERENTIAL EMDEN-FOWLER MODEL	

(Applied Sciences)-Hall-8 https://ncx.uzem.odu.edu.tr/b/kon-tcm-gcx-gpb

14:00-15:40 22.05.2022

Chair	Prof. Dr. Gamze ÖZEL KADILAR
Authors	Titles
Gamze Özel, Ceren Ünal	MARKOV RENEWAL MODEL APPLIED TO THE ESTIMATION OF EARTHQUAKE OCCURRENCES
Gamze Özel, Barış Burçin Demir	A NEW GENERALIZED DISTRIBUTION FOR ESTIMATION OF FLOOD AND EARTHQUAKE SIZES IN TURKEY
Derya Turfan	A DIFFERENT APPROACH TO THE ASSESSMENT OF PARTICULATE MATTER (PM10) POLLUTION IN ANKARA
Hatice Öncel Çekim, Gamze Özel Kadılar, Tuba Eroğlu Azak	COMPARISON OF AEGEAN REGION MAXIMUM EARTHQUAKE MAGNITUDES WITH TIME SERIES METHODS
Ceren Ünal, Gamze Özel	AN APPLICATION ON EARTHQUAKE DATA UNDER NON- RESPONSE SCHEME IN SAMPLING THEORY
İsrafil Okumuş, Ercan Çelik	THE GROUP LAWS ON THE ALGEBRAIC CURVES

(Applied Sciences)-Hall-9 https://ncx.uzem.odu.edu.tr/b/kon-uwj-h5u-tkg

16:00-17:40	
22.05.2022	

Chair	Prof. Dr. Bayram ÇEKİM
Authors	Titles
Fatih Rıza Çelik, Gürhan İçöz	APPROXIMATION BY A NEW CONSTRUCTION OF PARAMETRIC BASKAKOV OPERATORS
Zeynep Özat, Bayram Çekim	A NEW GENERALIZATION OF THE APOSTOL-EULER AND APOSTOL-GENOCCHI POLYNOMIALS
Neslihan Biricik, Bayram Çekim	GENERALIZED OF HERMITE MATRIX POLYNOMIALS AND SOME PROPERTIES
Bilge Zehra Sergi, Gürhan İçöz	ON A NEW TYPE OPERATORS INCLUDING THE APPELL POLYNOMIALS AND ITS APPROXIMATION PROPERTIES
Gürhan İçöz, Seda Demir	APPROXIMATION PROPERTIES OF A NEW TYPE OF GAMMA OPERATOR
Kübra Çetin, Bayram Çekim	SOME PROPERTIES OF THE PARAMETRIC KIND OF FUBINI POLYNOMIALS WITH THREE VARIABLES OF ORDER r

(Applied Sciences)-Hall-10 https://ncx.uzem.odu.edu.tr/b/kon-alq-cxe-6ot

16:00-17:40 22.05.2022

Chair	Dr. Öğr. Üyesi Özlem KIRCI
Authors	Titles
Özgül İlhan	A TURBULENCE MODEL WITH SLIP WITH FRICTION BOUNDARY CONDITION
Muhammet Enes Durmaz, Gabil Amirali	A UNIFORM NUMERICAL APPROACH FOR SINGULARLY PERTURBED FREDHOLM INTEGRO-DIFFERENTIAL EQUATION
Hasan Bulut, Derya Arslan	THE NUMERICAL SOLUTION OF SINGULARLY PERTURBED DELAY INTEGRO-DIFFERENTIAL EQUATION
İnci Çilingir Süngü, Emre Aydın	ON THE SEMI-ANALYTICAL METHODS FOR THE FIFTH ORDER NONLINEAR KdV EQUATIONS
Karmina K.Ali, Sibel Tarla, Reşat Yılmazer	DYNAMIC BEHAVIOR OF THE FOKAS SYSTEM ARISING IN MONOMODE OPTICAL FIBERS THROUGH THE UNIFIED AUXILIARY EQUATION METHOD
Urdaletova A.B., Kydyraliev S. K.	DIRECT INTEGRATION OF THE SYSTEMS OF LINEAR DIFFERENTIAL EQUATIONS AND SOME APPLICATIONS IN ECONOMICS

(Applied Science)-Hall-11 https://ncx.uzem.odu.edu.tr/b/kon-bxo-rfp-ny7

14:00-15:40
22.05.2022

Chair	Doç. Dr. Yener ALTUN
Authors	Titles
Dilara Altan Koç, Hajar F.Ismael, Hasan Bulut	A CLASS OF SOLUTIONS FOR THE BOUSSINESQ-LIKE EQUATIONS INCLUDING SPATIO-TEMPORAL DISPERSION
Beytullah Yağız, Yener Altun, Sinan Deniz	THE EXPLOSION OF THE SOLUTIONS OF STOCHASTIC WAVE EQUATIONS
Numan Yalçın, Mutlu Dedetürk	ON SOLUTIONS OF FIRST AND SECOND ORDER LINEAR DIFFERENTIAL EQUATIONS IN GEOMETRIC ANALYSIS
Şeyma Tülüce Demiray, Uğur Bayrakçı	A STUDY ON THE SOLUTIONS OF (1+1)-DIMENSIONAL MIKHAILOV NOVIKOV-WANG EQUATION
Yener Altun	LMI-BASED STABILITY ANALYSIS OF NONLINEAR SYSTEMS WITH TWO ADDITIVE TIME-VARYING DELAY COMPONENTS
Sinan Deniz, Şakir İşleyen, Beytullah Yağız	AN APPLICATION ON THE EXTENDED TECHNOLOGY ACCEPTANCE MODEL
Sadullah Bulut, Muhammed Yiğider	THE COMPARISON OF NUMERICAL SOLUTIONS OF COMFORMABLE AND COMFORMABLE FRACTIONAL DIFFERENTIAL EQUATIONS USING NEURAL NETWORK METHOD BY PYTHON
Faruk Düşünceli	NEW EXACT SOLUTIONS FOR THE IVANCEVIC OPTION PRICING MODEL

(Analysis)-Hall-12 https://ncx.uzem.odu.edu.tr/b/kon-7qy-2k2-nag

16:00-17:40 22.05.2022

Chair	Prof. Dr. Yavuz ALTIN
Authors	Titles
Elif Otkun Çevik	ON THE DIFFERENCE BETWEEN NUMERICAL AND SPECTRAL RADII FOR SOME ANALYTIC FUNCTIONS OF OPERATOR
Hayatem Hamal, Pembe Sabancıgil	KANTOROVICH TYPE (p,q)-GENERALIZATION OF BERNSTEIN OPERATORS
Mehmet Çağrı Yılmazer, Emrah Yılmaz, Sertac Goktas Mikail Et	STATISTICAL CONVERGENCE ON MULTIPLICATIVE CALCULUS
Nigar Yildirim Aksoy, Ercan Celik, Merve Zengin	AN OPTIMAL CONTROL PROBLEM FOR n-DIMENSIONAL SCHRODINGER EQUATION WITH SPECIFIC GRADIENT TERM
Büşra Nur Er, Yavuz Altın	ON STATISTICAL CONVERGENCE OF GENERALIZED FUZZY NUMBER SEQUENCES
Gülsen Kılıç, Mehmet Sezai Yıldırım	OVERVIEW OF SOME INTERVAL VALUED SEQUENCE SPACES

(Algebra)-Hall-13 https://ncx.uzem.odu.edu.tr/b/kon-j1h-czc-toi

14:00-15:40
22.05.2022

Chair	Doç. Dr. Yıldıray ÇELİK
Authors	Titles
Özge Erden	A STOCHASTIC MODEL FOR THE ENERGY EFFICIENT SERVER CONSOLIDATION
Belgin Özer, Fatima Dakkak	THE EXAMINATION OF THE QUOTIENT OF NUMERICAL SEMIGROUP WITH RF-MATRICES
Ali Farajzadeh, Alkan Özkan	ON METRIZABILITY OF TOPOLOGICAL GROUPS
Onur Zihni, Yıldıray Çelik	AN APPLICATION OF INTUITIONISTIC NEUTROSOPHIC SOFT GRAPHS IN A DECISIONMAKING PROBLEM

(Geometry)-Hall-14 https://ncx.uzem.odu.edu.tr/b/kon-yjt-o20-ptg

16:00-17:40 22.05.2022

Chair	Doç. Dr. Ömer AKGÜLLER
Authors	Titles
Ömer Akgüller, Mehmet Ali Balcı	DISTRIBUTION OF DISCRETE GEODESICS ON ALPHA COMPLEXES
Ömer Akgüller, Mehmet Ali Balcı, Sibel Paşalı Atmaca	SYMMETRIC DYNAMIC DERIVATIVES FOR QUAD REMESHING OF SIMPLICIAL SURFACES
Sibel Turanlı, Sedanur Uçan	A STUDY ON CONJUGATE CONNECTIONS ON PARA ANTI- HERMITIAN MANIFOLDS
Fatma Bulut, Mehmet Bektaş	NONLINEAR DIFFERENTIAL EQUATIONS WITH ACCORDING TO THE DARBOUX FRAME
Mehmet Bektaş, Esra Çiçek Çetin, Sümeyye Gür Mazlum	BIENERGIES FOR SYMPLECTIC REGULAR CURVE WITH SYMPLECTIC FRAME
Kebire Hilal Ayvacı, Kemal Eren, Süleyman Şenyurt	ON RULED SURFACES GENERATED BY DIRECTION CURVES WITH SANNIA FRAME AND THEIR CHARACTERIZATIONS
Kebire Hilal Ayvacı, Kemal Eren, Süleyman Şenyurt	A STUDY ON INEXTENSIBLE FLOWS OF POLYNOMIAL CURVES WITH FLC FRAME

(Education Sciences)-Hall-15 https://ncx.uzem.odu.edu.tr/b/kon-6fp-qmx-tk5

14:00-15:40 22.05.2022

Chair	Doç. Dr. Hayal YAVUZ MUMCU
Authors	Titles
Ilhame Amirali, Ece Eroğlu	A BRIEF SURVEY ON NUMERICAL SOLUTIONS OF SINGULARLY PERTURBED PROBLEMS
Yavuz Turan, Hayal Yavuz Mumcu	AMINATION OF 8TH GRADE STUDENTS' OPINIONS ON NEW GENERATION QUESTIONS
Gözde Seven, Elif Çil	A STUDY ON THE STATUS OF RESEARCH ON SCIENCE TEACHERS' OPINIONS ON STEM PRACTICES
Kader Öğmen	THE RELATIONSHIP OF BILINGUALITY OF STUDENTS WITH THE ACHIEVEMENT OF SCIENCE COURSE
Elif Şenkal, Hayal Yavuz Mumcu	THE EFFECT OF MIND AND INTELLIGENCE GAMES COURSE ON STUDENTS' MATHEMATICS ACHIEVEMENT: AN EXPERIMENTAL STUDY

(Analysis)-Hall-16 https://ncx.uzem.odu.edu.tr/b/kon-2bl-ngt-7of

16:00-17:40 22.05.2022

Chair	Doç. Dr. Muhammed ÇINAR
Authors	Titles
Tuba Dinç, Çiğdem Bektaş	THE KOTHE TEOPLITZ DUALS OF V0 ^Λ λ (G)
İnci Çakmak, Aynur Şahin	ON THE PARTIAL (p ,q) -DIFFERENTIAL EQUATIONS
Meltem Sertbaş, Coşkun Sara	q-DIFFERENCE OPERATOR ON L_Q^2 (0,+ ∞)
Muhammed Çınar, Mikail Et, Koray İ. Atabey	SOME NEW SEQUENCE SPACES OF GENERALIZED FRACTIONAL ORDER
Swapnil Verma	REVISITING CHATTERJEA TYPE NONUNIQUE FIXED POINT THEOREMS VIA INTERPOLATION IN QPB - SPACE
Nazlım Deniz Aral, Hacer Şengül Kandemir, Mikail Et	ON $\rho-$ STATISTICAL CONVERGENCE OF DOUBLE SEQUENCES OF ORDER α IN TOPOLOGICAL GROUPS

AN INVERSE RECONSTRUCTION PROBLEM

(Applied Science)-Hall-17 https://ncx.uzem.odu.edu.tr/b/kon-nep-dye-8on

14:00-15:40 22.05.2022	Chair	Prof. Dr. Hakkı DURU	
	Authors	Titles	
	Baransel Güneş, Hakkı Duru	A SECOND-ORDER DIFFERENCE SCHEME ON BAKHVALOV MESH FOR THE SINGULARLY PERTURBED DELAY PSEUDO- PARABOLIC EQUATIONS	
	Baransel Güneş, Musa Çakır	A ROBUST NUMERICAL METHOD FOR THE SINGULARLY PERTURBED SECOND-ORDER VOLTERRA-FREDHOLM INTEGRO-DIFFERENTIAL EQUATIONS	
	Yasin Bozkurt, Mehmet Tahir Gulluoglu, Haci Mehmet Baskonus	SOME RESULTS FOR A NONLINEAR TRANSMISSION LINE ARISING IN THE ELECTRONIC CIRCUIT	
	Melike Karta	A NEW LOOK AT : THE NUMERICAL SOLUTION OF THE GENERALIZED BURGERS-HUXLEY EQUATION	

(Geometry)-Hall-18 https://ncx.uzem.odu.edu.tr/b/kon-4qq-ccj-gok

Mehmet Açil

16:00-17:40 22.05.2022	Chair	Doç. Dr. Gülden ALTAY SUROĞLU
	Authors	Titles
	Esra Çiçek Çetin, Mehmet Bektaş	SOME NEW ASSOCIATED CURVES OF A NULL AND PSEUDO NULL CURVE IN 4-DIMENSIONAL MINKOWSKI SPACE-TIME
	Şeyda Özel, Mehmet Bektaş	BISECTOR CURVES OF COMFORMABLE CURVES IN R2
	Şeyda Özel, Mehmet Bektaş	ON THE CHARACTERIZATIONS OF CURVES WITH MODIFIED ORTHOGONAL FRAME IN EUCLIDEAN 3-SPACE
	Gülden Altay Suroğlu, Yusuf Güzel	ON MODIFIED WEINGARTEN PARALLEL RULED SURFACE
	Muhammad Abubakar Isah, Asıf Yokuş	OPTICAL SOLITONS OF COMPLEX GINZBURG-LANDAU EQUATION HAVING DUAL POWER NONLINEAR FORM USING Q6-MODEL EXPANSION APPROACH

(Applied Science)-Hall-19 https://ncx.uzem.odu.edu.tr/b/kon-6wv-sq9-snd

14:00-15:40
22.05.2022

Chair	Dr. Öğr. Üyesi Özlem KIRCI	
Authors	Titles	
Hajar F.Ismael, Arif Özkul, Hasan Bulut	ON THE COMPLEX SOLUTIONS TO THE HIROTA-SATSUMA-ITO EQUATION	
Karmina K. Ali, Sibel Sehriban Ataş, Hasan Bulut	EXACT SOLUTIONS TO THE COUPLED-HIGGS EQUATION WITH NEUTRAL SCALAR MESONS COOPERATING IN A SYSTEM	
Rabia Kevser Yılmaz, Oğuz Yağcı	DEGENERATE ARA TRANSFORM	
Gülnur Yel, Miraç Kayhan	NEW ANALYTICAL APPROACH TO THE GENERALIZED FISHER EQUATION	
Hülya Gültekin Çitil	ON A STURM-LIOUVILLE FUZZY PROBLEM	
Özlem Kırcı	ANALYSIS OF THE SOLUTIONS OF A SPACE-TIME FRACTIONAL MATHEMATICAL MODEL WITH AN ANALYTICAL METHOD	

(Geometry)-Hall-20 https://ncx.uzem.odu.edu.tr/b/kon-qex-48y-xzh

16:00-17:40 22.05.2022

Chair	Dr. Öğr. Üyesi İnan ÜNAL Titles		
Authors			
Ramazan Sarı, İnan Ünal	SEMI-INVARIANT RIEMANNIAN SUBMERSIONS WITH RICCI SOLITON		
Ramazan Sarı, İnan Ünal	SEMI-INVARIANT SUBMANIFOLDS OF GENERALIZED KENMOTSU MANIFOLD ADMITTING A QUARTER SYMMETRIC NON METRIC CONNECTION		
Pakize Uygun, Süleyman Dırık, Mehmet Atçeken	P-SASAKIAN MANIFOLDS AND THEIR CURVATURE CLASSIFICATION		
Pakize Uygun	ON P-SASAKIAN MANIFOLDS SATISFYING CERTAIN CURVATURE CONDITIONS		

(Applied Science)-Hall-21 https://ncx.uzem.odu.edu.tr/b/kon-rch-vr4-96z

14:00-15:40
22.05.2022

	Chair	Doç. Dr. Derya Arslan
	Authors	Titles
	Sena Halıcı, Ayşegül Çetinkaya	INTEGRAL REPRESENTATIONS OF k-SRIVASTAVA HYPERGEOMETRIC FUNCTIONS
	Sena Halıcı, Ayşegül Çetinkaya	RECURSION FORMULAS OF k-SRIVASTAVA HYPERGEOMETRIC FUNCTIONS
	Erhan Pişkin, Ayşe Fidan	BLOW UP OF SOLUTIONS FOR THE WAVE EQUATION VARIABLE COEFFICIENTS
	Ayşe Metin Karakaş, Sinan Çalık, Aslıhan Demir	MARSHALL OLKIN GARIMA DISTRUBUTION AND STATISTICAL PROPERTIES
	Derya Arslan	NEW NUMERICAL SCHEME FOR SOLVING OF SINGULARLY PERTURBED PROBLEM WITH NONLOCAL BOUNDARY CONDITIONS

(Engineering Science)-Hall-22 https://ncx.uzem.odu.edu.tr/b/kon-ojy-gpq-urj

16:00-17:40 22.05.2022	Chair	Doç. Dr. Mehmet KORKMAZ	
	Authors	Titles	
	Mahir Demir	SUSTAINABLE FISHERIES WITH OPTIMAL CONTROL THEORY	
	Hajar Ahessab, Khalid Rahmani, Mohamed Al-Hattab	THE ELECTRONIC AND OPTICAL PROPERTIES OF GRAPHENE QUANTUM DOTS PYRENE FAMILY	
	Megrini Meriem, Gaga Ahmed, Mehdaoui Youness	MATHEMATICAL MODELLING AND SPEED CONTROL OPTIMIZATION OF PMSM MACHINE FOR ELECTRIC VEHICLE APPLICATION	
	Sadaf Waziry, Jawad Rasheed, Mirsat Yesiltepe	PROPERLY WEARING FACE MASK DETECTION USING HYBRID DEEP AND CLASSICAL MACHINE LEARNING TECHNIQUES	
	Ahmad Bilal Wardak, Jawad Rasheed, Mirsat Yesiltepe	AUTOMATIC NOISE DETECTION SYSTEM IN QR CODES	

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Chair	Doç. Dr. İlknur KOCA			
Authors	Titles			
Pelin Yaprakdal Uzun	ANALYSIS OF THE VECTORED PLANT DISEASE MODEL CONSIDERING BY FRACTIONAL OPERATOR			
Pelin Yaprakdal Uzun, Kıvanç Uzun, İlknur Koca	ANALYSIS OF THE PEER BULLYING IN SCHOOLS CONSIDERING BY FRACTIONAL ORDER METAPOPULATION MODELLING			
Beyza Billur İskender Eroğlu, Dilara Yapışkan	AN OPTIMAL CONTROL STRATEGY FOR AN H1N1 MODEL			
Sevda Özdemir, Fevzi Erdoğan	STOCHASTIC DIFFERENTIAL EQUATION MODELING FOR GOLD DATA WITH YUIMAGUI			
Mohamed Hariri, Zohra Bouteffal, Nourelhouda Beghersa, Mehdi Benabdallah	ON THE STABILITY AND STABILIZATION FOR THE IMPLICIT DIFFERENTIAL CONTROL SYSTEM IN BANACH SPACES			
	Chair Authors Pelin Yaprakdal Uzun Pelin Yaprakdal Uzun, Kıvanç Uzun, İlknur Koca Beyza Billur İskender Eroğlu, Dilara Yapışkan Sevda Özdemir, Fevzi Erdoğan Mohamed Hariri, Zohra Bouteffal, Nourelhouda Beghersa,			

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16:00-17:40 22.05.2022	Chair	Doç. Dr. Şeyma TÜLÜCE DEMİRAY		
	Authors	Titles		
	Zelal Temel, Musa Çakır	CONVERGENCE ANALYSIS OF FITTED NUMERICAL METHOD FOR A SINGULARLY PERTURBED NONLINEAR VOLTERRA INTEGRODIFFERENTIAL EQUATION WITH INTEGRAL BOUNDARY CONDITION		
	Zelal Temel, Musa Çakır	A NOVEL NUMERICAL APPROXIMATION FOR SINGULARLY PERTURBED VOLTERRA INTEGRODIFFERENTIAL EQUATION WITH INTEGRAL BOUNDARY CONDITION		
	Fırat Çakır, Hayriye Güçkır Çakır, Musa Çakır	A FINITE DIFFERENCE METHOD FOR FREDHOLM INTEGRO- DIFFERENTIAL EQUATIONS		
	Ekhtiar Khodadadi, Mesut Karabacak, Ercan Çelik	PREDICTOR-CORRECTOR (m+1) -STEP METHOD FOR SOLVING FUZZY ORDINARY DIFFERENTIAL EQUATIONS BY USING THE INTERPOLATION OF FUZZY NUMBER		
	Ekhtiar Khodadadi, Mesut Karabacak, Ercan Çelik	NUMERICAL SOLUTION OF FUZZY DIFFERENTIAL EQUATIONS BY TWOSTEP MODIFIED SIMPSON RULE		

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14:00-15:40 22.05.2022	Chair			
	Authors	Titles		
	Samet Uytun	EIGEN FUNCTION EXPANSIONS FOR A STRUM-LIOUVILLE OPERATOR FOR THE CASE OF AN INFINITE INTERVAL		

