

Van Yüzüncü Yıl University

**2nd International Conference on Pure and Applied
Mathematics (ICPAM-VAN 2018)**

SCIENTIFIC PROGRAM



Book of Abstracts

Van, Turkey
September 11-13, 2018

Scientific Committee:

DIFFERENTIAL EQUATIONS

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Muhammad Aslam Noor, COMSATS Institute of Information Technology, Islamabad, PAKISTAN

Naim L. Braha, University of Prishtina REPUBLIC OF KOSOVA

NUMERICAL ANALYSIS

Abdon Atangana, University of the Orange Free State Bloemfontein, SOUTH AFRICA

APPLIED MATHEMATICS

Soon-Mo Jung, Hong-Ik University, Jochiwon Campus Chochiwon, REPUBLIC OF KOREA

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Editor:

Zeynep Kayar (Van Yüzüncü Yıl University)

September 11, 2018 Tuesday

Time	Amphi 1	Amphi 2	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107	Room 108
9:00-10:00	Registration									
Chair	C. TUNC									
10:00-10:30	Opening Ceremony									Opening Ceremony
10:30-11:15	D. BALEANU									Invited Speaker
11:15-12:00	A. KHALILI GOLMANKHA- NEH									Invited Speaker
12:00-13:30	Lunch Break									
Chair	H. S. MUSTAFAYEV									
13:30-14:15	S. HRISTOVA									Invited Speaker
14:15-15:00	V. I. SLYN'KO									Invited Speaker
15:00-15:15	Coffee Break									
Chair		O. SALDIR	N. ÖKTEM	S. ŞEHRIBAN- OĞLU	R. C. DEMIRKOL	T. HANOY- MAK	S. TEMEL	Ö. ATAN	N. ALSOY- AKGUN	Z. YAL- CINKAYA
15:15-15:35		M. GÖZEN	C. BOZKAYA	D. ALTINTAN	S. ONARAN	Ş. BAYDAŞ	B. SARAÇ	M. CANCAN	Z. KAYAR	Z. SEVİNÇ
15:35-15:55		S. ERDUR	H. GÜNGÖR	H. TAŞKESEN	M. A. AKYOL	A. YUNUS	S. ŞAHİNKAYA	R. KAMA	S. YAZICI	A. H. TOR
15:55-16:15		M. GHASEMI	E. ATICI EN- DES	M. ALALOUSH	T. KÖRPINAR	A. ÇALIŞKAN	E. AKALAN	M. R. JAB- BARZADEH	Ş. GÜNGÖR ^{Y.}	C. CENGİZ
16:15-16:35		E. KORK- MAZ		H. E. AKYÜZ	S. GÜLER	A. ŞAHİN	F. TUĞRUL	M. TELCİ	R. ASLAN	Ö. AYDOĞMUŞ
16:35-16:50	Coffee Break									
Chair		B. SARAÇ	C. BOZKAYA	D. ALTIN- TAN	S. ONARAN	A. KHALILI GOLMAN- KHANEH	Ö. AYDOĞ- MUŞ	M. TELCİ	A. H. TOR	F. TUĞRUL
16:50-17:10		R. YAZGAN	F. EKİNCİ	S. ŞEHRIBAN- OĞLU	R. C. DEMIRKOL	O. TUNÇ	L. BUGAY	O. OĞUR	T. GÜLEŞCE TATLI	W. S. KHEDR
17:10-17:30		Y. ALTUN	N. ÖKTEM	A. DEMİRCİ	M. POLAT	İ. AKBULUT	S. TEMEL	Ö. ATAN	T. HANOY- MAK	Z. YAL- CINKAYA
17:30-17:50		A. YİĞİT	T. TAN- RIVERDİ	A. DEMİRCİ	M. ATA- SEVER	C. TUNC	M. R. MO- TALLEBI	K. U. REHMAN	A. CHEHRAZI	Ş. KUBİLAY
19:00-20:30	CONFERENCE DINNER									

September 12, 2018 Wednesday									
Time	Amphi 1	Amphi 2	Room 101	Room 102	Room 103	Room 104	Room 105	Room 106	Room 107
Chair	Y. YAYLI								
9:30-10:15	C. W. WENG						Invited Speaker		
10:15-11:00	M. LAKESTANI						Invited Speaker		
11:00-11:15							Coffee Break		
Chair	M. LAKESTANI								
11:15-12:00	S. SHAH-MORAD						Invited Speaker		
12:00-12:45	Y. YAYLI						Invited Speaker		
12:45-14:15							Lunch Break		
Chair		N. GÖRENTAŞ	B. KALKAN	S. ERDUR	M. LUZUM	Ö. KÜSMÜŞ	İ. DENİZLER	H. C. TEMEL	M. SAKAR G.
14:15-14:35		F. YÖRÜK DEREN	R. N. ÜREGEN	A. KHOJALI	H. KUŞAK SAMANCI	E. ERTEM AKBAŞ	U. DURAN	N. YAREMCHENKO	D. DENİZ
14:35-14:55		T. ŞENLİK ÇERDİK	J. AZAMI	H. GÜNAY AKDEMİR	E. ERKAN	A. KAZEMI PILEDARAQ	E. DEMİRCİ AKARSU	R. OZARSLAN	D. DENİZ
14:55-15:15		F. A. ÇETİNKAYA	R. VARMAZYAR	F. KUTLU	S. BAŞ	N. A. LONE	Ü. SARP	O. SALDIR	M. KARAKUŞ
15:15-15:35		A. AHMAD-KHANLU	S. İĞRET ARAZ	F. TUĞRUL	M. B. KAZEMI	N. ALSOY- AKGÜN	M. BEKAR	F. COŞKUN	Y. KAYA
15:35-15:50							Coffee Break		
15:50-16:10							Poster Presentations		
Chair		F. YÖRÜK DEREN	R. YAZGAN	H. TAŞKESEN	F. KUTLU	C. W. WENG	Ş. BAYDAŞ	H. TOPAL	M. KARAKUŞ
16:10-16:30		H. IŞIK	T. AKTÜRK	A. YILMAZ	G. SOYDAN	M. Ş. ALDEMİR	F. TUTAR	S. UCAR	K. HAGHNEJAD AZAR
16:30-16:50		E. ŞEN	T. AKTÜRK	N. ERDOĞAN	S. ŞENYURT	M. Ş. ALDEMİR	B. KALKAN	L. G. LOPES	M. G. SAKAR
16:50-17:10		C. TEMEL	Z. KÖRPINAR	D. ARSLAN	T. YILDIRIM	S. EDİZ	V. DÖRMA	Ö. KÜSMÜŞ	İ. H. DENİZLER

September 13, 2018 Thursday	
Time	Program
8:00	Departure from university campus
09:00-10:30	Van Breakfast
10:30	Departure for Akhdamar Island
11:30-13:00	Visit to Akhdamar Island
13:00	Departure for lunch
14:30-16:00	Lunch (in city centre)
16:00	Return to university campus

Scientific program in details

September 11, 2018

Amphi 1 Chair: Cemil TUNÇ

10:00-10:30 **Opening Ceremony**

10:30-11:15 **Dumitru BALEANU**

Nonlocality and fractional calculus: Finding the best kernel

11:15-12:00 **Alireza KHALILI GOLMANKHANEH**, Cemil TUNC

Generalized Reimann calculus on fractal sets and curves and application

12:00-13:30 Lunch Break

Amphi 1 Chair: Heybetkulu S. MUSTAFAYEV

13:30-14:15 **Snezhana HRISTOVA**, Ravi AGARWAL, Ronald O'REGAN

Stability of Caputo non-instantaneous impulsive fractional differential equations with delays

14:15-15:00 **Vitalii I. SLYN'KO**, Cemil TUNÇ

Stability of linear switched impulsive systems with unstable subsystems

15:00-15:15 Coffee Break

Amphi 2 Chair: Onur SALDIR

15:15-15:35 **MELEK GÖZEN**, Cemil TUNÇ

New exponential stability criteria for certain neutral differential equations with interval discrete and distributed time-varying delays

15:35-15:55 **Sultan ERDUR**, Cemil TUNÇ

On the existence of periodic solutions of third order nonlinear differential equations with multiple delays

15:55-16:15 Hoshang BEHRAVESH, Mehdi GHAFFARZADEH, **Mohsen GHASEMI**

Groups whose codegree graphs have no triangle

16:15-16:35 **Erdal KORKMAZ**, Cemil TUNC

Sufficient conditions for global asymptotic stability of neural networks with time-varying delays

16:35-16:50 Coffee Break

Amphi 2 Chair: Bülent SARAÇ

16:50-17:10 **Ramazan YAZGAN**, Cemil TUNC

On the weighted pseudo almost periodic solutions of nonlinear functional Nicholson's blowflies equations

17:10-17:30 **Yener ALTUN**, Cemil TUNÇ

On the global exponential stability of nonlinear neutral differential equations with time-varying delays

17:30-17:50 Yener ALTUN, Cemil TUNÇ, **Abdullah YİĞİT**

On the exponential stability in nonlinear neutral differential equations

19:00-20:00 CONFERENCE DINNER

Room 101 Chair: Nuray ÖKTEM

15:15-15:35 **Canan BOZKAYA**

MHD natural convection flow in a porous cavity

15:35-15:55 **Hakkı GÜNGÖR**

Regularization of inverse coefficient determination problem in a hyperbolic problem

15:55-16:15 **Emine ATICI ENDES**, Jonathan A. SHERRATT

A non-local model for E and N cadherin-dependent cell-cell adhesion

16:35-16:50 Coffee Break

September 11, 2018

Room 101 Chair: Canan BOZKAYA

- 16:50-17:10 Erhan PİŞKİN, **Fatma EKİNCİ**
Blow up of solutions for a quasilinear Kirchhoff-type wave equations with degenerate damping terms
- 17:10-17:30 **Nuray ÖKTEM**
An efficient TVD-WAF scheme application for the 2D shallow water equations on unstructured meshes
- 17:30-17:50 **Tanfer TANRIVERDI**
Schrödinger equation with potential vanishing exponentially fast
- 19:00-20:00 CONFERENCE DINNER

Room 102 Chair: Sanem SEHRIBANOGLU

- 15:15-15:35 **Derya ALTINTAN**, Heinz KOEPPL
Inference algorithms for jump-diffusion approximations of multi-scale processes
- 15:35-15:55 **Hatice TASKESEN**
Blow up of solutions for a stochastic Klein-Gordon equation
- 15:55-16:15 Hatice TASKESEN, **Mohanad ALALOUSH**
On the blow-up of solutions for a stochastic Camassa-Holm equation
- 16:15-16:35 **Hayriye Esra AKYÜZ**
Approximate confidence interval based on winsorized mean for the coefficient of variation of positively skewed populations
- 16:35-16:50 Coffee Break

Room 102 Chair: Derya ALTINTAN

- 16:50-17:10 **Sanem SEHRIBANOGLU**
Estimation of parameters of Gumbel distribution data
- 17:10-17:30 Ozlem UGUZ, **Ali DEMIRCI**, Hanzade HAYKIRI ACMA, Serdar YAMAN
Applicability of regression analysis on the oxygen enriched combustion of Adiyaman- Golbasi lignite
- 17:30-17:50 Ozlem UGUZ, **Ali DEMIRCI**, Hanzade HAYKIRI ACMA, Serdar YAMAN
Applicability of regression analysis on the oxygen enriched combustion of Kutahya-Tuncbilek lignite
- 19:00-20:00 CONFERENCE DINNER

Room 103 Chair: Rıdvan Cem DEMİRKOL

- 15:15-15:35 **Sinem ONARAN**
On contact surgeries and a counterexample
- 15:35-15:55 **Mehmet Akif AKYOL**
Some properties of conformal generic submersions
- 15:55-16:15 Zeliha KÖRPINAR, **Talat KÖRPINAR**, Selçuk BAŞ, M. Talat SARIAYDIN
On inextensible flow with Schrödinger flow
- 16:15-16:35 **Sinem GÜLER**
Lorentzian homogeneous generalized Ricci solitons of dimension $n \geq 3$
- 16:35-16:50 Coffee Break

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Room 103 Chair: Sinem ONARAN

- 16:50-17:10 **Rıdvan Cem DEMİRKOL**, Talat KÖRPINAR, Vedat ASİL, Selçuk BAŞ
A new approach to a bending energy of elastica for space curves in De-Sitter space
- 17:10-17:30 **Murat POLAT**
Semi-tensor bundle and the vertical lift of tensor fields
- 17:30-17:50 **Merve ATASEVER**, Sezgin ALTAY DEMİRBAĞ
On the structure of Ricci solitons on gradient Einstein-type manifolds
- 19:00-20:00 CONFERENCE DINNER

Room 104 Chair: Turgut HANOYMAK

- 15:15-15:35 **Şenay BAYDAŞ**, Bülent KARAKAŞ
On mechanisms in three-dimensional Minkowski space
- 15:35-15:55 **Awais YOUNUS**, Hongwei LOU
Input distinguishability of linear dynamic control systems
- 15:55-16:15 Süleyman ŞENYURT, **Abdussamet ÇALIŞKAN**
Dual pole indicatrix curve and surface
- 16:15-16:35 **Abdulgani ŞAHİN**, Bünyamin ŞAHİN
Jones polynomial for graphs of twist knots
- 16:35-16:50 Coffee Break

Room 104 Chair: Alireza KHALILI GOLMANKHANEH

- 16:50-17:10 **Osman TUNÇ**
A note on certain qualitative properties of solutions in Volterra integro-differential equations
- 17:10-17:30 **Irem AKBULUT**, Cemil TUNÇ
Analysis of behaviors of solutions of a coupled Volterra integro-differential equations
- 17:30-17:50 **Cemil TUNÇ**
Instability in nonlinear functional differential equations of higher order
- 19:00-20:00 CONFERENCE DINNER

Room 105 Chair: Sedat TEMEL

- 15:15-15:35 **Bülent SARAÇ**
Rings without a middle class: past and recent
- 15:35-15:55 **Serap ŞAHİNKAYA**, Truong Cong QUYNH
Kernel stable and uniquely generated modules
- 15:55-16:15 **Evrım AKALAN**, Hidetoshi MARUBAYASHI, Akira UEDA
Strongly graded rings over hereditary Noetherian prime rings
- 16:15-16:35 **Fatih TUĞRUL**, Şenay BAYDAŞ, Bülent KARAKAŞ
On the orbit surface of two parameter motion
- 16:35-16:50 Coffee Break

September 11, 2018

Room 105 Chair: Ö. AYDOĞMUŞ

16:50-17:10 **Leyla BUGAY**

A general approach to find generating sets of certain finite subsemigroups of symmetric inverse semigroup

17:10-17:30 **Sedat TEMEL**, Tuncar SAHAN, Osman MUCUK

Crossed modules of group-groupoids and double group-groupoids

17:30-17:50 **Mohammad Reza MOTALLEBI**

Direct sum of neighborhoods in locally convex cones

19:00-20:00 CONFERENCE DINNER

Room 106 Chair: Özkan ATAN

15:15-15:35 **Murat CANCAN**, Süleyman EDİZ, Mehmet Şerif ALDEMİR

On ve -degrees in Cartesian product of two graphs

15:35-15:55 **Ramazan KAMA**

On some vector valued multiplier spaces obtained by Zweir matrix method

15:55-16:15 **Mohammad Reza JABBARZADEH**

Conditional expectation operators on measurable function spaces

16:15-16:35 **Mustafa TELCİ**

Caristi type related fixed point theorems in two metric spaces

16:35-16:50 Coffee Break

Room 106 Chair: Mustafa TELCİ

16:50-17:10 **Oğuz OĞUR**

A note on superposition operators in Fibonacci sequence spaces $l_p(F)$

17:10-17:30 **Özkan ATAN**, Fatih KUTLU

Synchronization control of two chaotic systems via a novel fuzzy control method

17:30-17:50 **Khalil Ur REHMAN**, M. Y. MALIK

New Lie group of transformation for the non-Newtonian fluid flow narrating differential equations

19:00-20:00 CONFERENCE DINNER

Room 107 Chair: Nagehan ALSOY-AKGÜN

15:15-15:35 **Zeynep KAYAR**

A novel Lyapunov type inequality for quasilinear impulsive systems

15:35-15:55 **Serdal YAZICI**, Bayram ÇEKİM

A new generalization of Szász operators and its approximation properties

15:55-16:15 **Şule Yüksel GÜNGÖR**

Approximation by summation-integral type operators involving Brenke polynomials

16:15-16:35 **Reşat ASLAN**, Aydın İZGİ

Approximation by bivariate Bernstein-Kantorovich operators on a triangular domain

16:35-16:50 Coffee Break

September 11, 2018

Room 107 Chair: Ali Hakan TOR

- 16:50-17:10 **Tuba GÜLEŞCE TATLI**, Turgut HANOYMAK, Ömer KÜSMÜŞ
Multi-party key exchange protocol and man in the middle attack
- 17:10-17:30 **Turgut HANOYMAK**, Atilla BEKTAŞ
On mathematical aspects of blockchain architecture
- 17:30-17:50 **Akram CHEHRAZI**, Turgut HANOYMAK
Mathematical aspects of quantum cryptography

Room 108 Chair: Zeki YALÇINKAYA

- 15:15-15:35 Nazlım Deniz ARAL, **Zeynep SEVİNÇ**
On a new type of q -Baskakov-Kantorovich operators
- 15:35-15:55 **Ali Hakan TOR**
An optimality condition for non-smooth convex problems via $*$ -subgradient
- 15:55-16:15 **Cansu CENGİZ**, Serkan Ali DUZCE
Extortion strategies in non-symmetric iterated Prisoner's Dilemma
- 16:15-16:35 **Ozgur AYDOGMUS**
Approximating the stochastic evolution via difference equations
- 16:35-16:50 Coffee Break

Room 108 Chair: Feride TUĞRUL

- 16:50-17:10 **Waleed S. KHEDR**
Reduction of Navier-Stokes equation to a linear equation
- 17:10-17:30 **Zeki YALÇINKAYA**, Şenol KUBİLAY, Ali SAVRAN, Necla ÇALIŞKAN
Studying the kinetic parameters and mechanism of the thermal decomposition (dehydration, dehydroxylation and decarbonylation) of some clays using TG traces
- 17:30-17:50 Zeki YALÇINKAYA, Ali SAVRAN, **Şenol KUBİLAY**, Necla ÇALIŞKAN
Clay transition (dehydration, dehydroxylation and decarbonylation) kinetics by DTA
- 19:00-20:00 CONFERENCE DINNER

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Amphi 1 Chair: Yusuf YAYLI

- 9:30-10:15 Yen-Jen CHENG, **Chih-Wen WENG**, Feng-Lei FAN
A conjecture on the spectral radius of a bipartite graph
10:15-11:00 **Mehrdad LAKESTANI**
Proximal algorithm for compressive sensing
11:00-11:15 Coffee Break

Amphi 1 Chair: Mehrdad LAKESTANI

- 11:15-12:00 **Sedaghat SHAHMORAD**, Younes TALAEI
Review of the Tau method
12:00-12:45 **Yusuf YAYLI**
Quaternions and their applications
12:45-14:15 Lunch Break

Amphi 2 Chair: Necat GÖRENTAŞ

- 14:15-14:35 **Fulya YORUK DEREN**
Existence of solutions for a system of coupled fractional boundary value problems
14:35-14:55 **Tugba SENLIK CERDIK**, Fulya YORUK DEREN, Nuket Aykut HAMAL
Existence of positive solutions for boundary value problems of nonlinear fractional differential equations
14:55-15:15 **F. Ayca CETINKAYA**, Ilknur AYDIN
Spectral properties of a q -fractional boundary value problem
15:15-15:35 **Asghar AHMADKHANLU**, Vedat Suat ERTURK
Existence of positive solutions for a singular fractional boundary value problem
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

Amphi 2 Chair: Fulya YORUK DEREN

- 16:10-16:30 **Hüseyin IŞIK**
A new class of set-valued contractions and related results
16:30-16:50 **Erdoğan ŞEN**
Generalized class of boundary value problems with a constant retarded argument
16:50-17:10 **Cesim TEMEL**
Krasnoselskii fixed point theorem for singlevalued operators and multivalued operators

Room 101 Chair: Bahar KALKAN

- 14:15-14:35 **Rabia Nagehan UREGEN**
On uniformly pr -ideals in commutative rings
14:35-14:55 **Jafar A'ZAMI**, Maryam KHAJEPOUR
Reduction and coreduction of modules
14:55-15:15 **Rezvan VARMAZYAR**
On 2-absorbing ideals
15:15-15:35 **Seda İĞRET ARAZ**
On numerical solution of an optimal control problem involving hyperbolic equation
15:35-15:50 Coffee Break
15:50-16:10 POSTER PRESENTATIONS

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Room 101 Chair: Ramazan YAZGAN

- 16:10-16:30 **Tolga AKTURK**, Hasan BULUT
Modified expansion function method to the nonlinear problem
- 16:30-16:50 Eda GUNAYDIN, Yusuf GUREFE, **Tolga AKTURK**
On the kink type and singular solitons solutions to the nonlinear partial differential equation
- 16:50-17:10 **Zeliha KÖRPINAR**, Mustafa İNÇ
On numerical solutions for fractional (1+1)-dimensional Biswas-Milovic equation

Room 102 Chair: Sultan ERDUR

- 14:15-14:35 **Ahmad KHOJALI**
A note on the annihilator of certain local cohomology modules
- 14:35-14:55 **Hande GÜNAY AKDEMİR**
Simulation studies for credibility-based multi-objective programming problems with fuzzy parameters
- 14:55-15:15 **Fatih KUTLU**, Özkan ATAN
Review on fuzzy thermal image processing applications
- 15:15-15:35 Fatih KUTLU, **Feride TUĞRUL**, Mehmet ÇİTİL
On temporal intuitionistic fuzzy De Morgan triplets
- 15:35-15:55 Coffee Break
- 15:55-16:10 POSTER PRESENTATIONS

Room 102 Chair: Hatice TAŞKESEN

- 16:10-16:30 **Asuman YILMAZ**, Mahmut KARA
Statistical inference for the inverse Weibull distribution
- 16:30-16:50 **Necati ERDOĞAN**, Asuman YILMAZ, Mahmut KARA
Statistical analysis of wind speed data with some distributions
- 16:50-17:10 **Derya ARSLAN**
Second-order difference approximation for nonlocal boundary value problem with boundary layers

Room 103 Chair: Murat LUZUM

- 14:15-14:35 **Hatice KUŞAK SAMANCI**, Muhsin İNCESU
Investigating a quadratic Bezier curve according to N-Bishop frame
- 14:35-14:55 **Esra ERKAN**, Salim YÜCE
The theory of Bézier curves in E^4
- 14:55-15:15 **Selçuk BAŞ**, Talat KÖRPINAR, Rıdvan Cem DEMİRKOL, Mustafa YENEROĞLU
Roller coaster surface according to modified orthogonal frame in Euclidean space
- 15:15-15:35 **Mohammad Bagher KAZEMI BALGESHIR**
Invariant submanifolds of statistical Kenmotsu manifolds and their curvatures
- 15:35-15:50 Coffee Break
- 15:50-16:10 POSTER PRESENTATIONS

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Room 103 Chair: Fatih KUTLU

- 16:10-16:30 **Gökhan SOYDAN**, Gamze SAVAŞ ÇELİK
Elliptic curves containing sequences of consecutive cubes
- 16:30-16:50 **Süleyman ŞENYURT**, Abdussamet ÇALIŞKAN
Curves and ruled surfaces according to alternative frame in dual space
- 16:50-17:10 **Tülay YILDIRIM**
Characterization of regular morphisms in terms of abelian categories

Room 104 Chair: Ömer KÜŞMÜŞ

- 14:15-14:35 **Elif ERTEM AKBAŞ**, Mustafa GÖK
Misconceptions regarding representativeness in probability subject of high school students:
Van case
- 14:35-14:55 **Adel P. KAZEMI**
Total dominator coloring of a graph
- 14:55-15:15 **Nisar A. LONE**
An interplay between Riemann integrability and weaker forms of continuity
- 15:15-15:35 **Nagehan ALSOY-AKGÜN**
Numerical study of nanofluids under DDMC in a lid driven cavity
- 15:35-15:50 Coffee Break
- 15:50-16:10 POSTER PRESENTATIONS

Room 104 Chair: Chih-Wen WENG

- 16:10-16:30 **Mehmet Şerif ALDEMİR**, Abdalla Khdir Abdalla MANGURI
On stratified domination and Zagreb indices
- 16:30-16:50 **Mehmet Şerif ALDEMİR**, Abdalla Khdir Abdalla MANGURI
On eccentricity based indices of generalized Petersen graphs
- 16:50-17:10 **Süleyman EDİZ**, Murat CANCAN, Mehmet Şerif ALDEMİR
On ve -degrees in direct and strong products of two graphs

Room 105 Chair: I. Hakkı DENİZLER

- 14:15-14:35 **Ugur DURAN**, Mehmet ACIKGOZ, Serkan ARACI
A note on q -Fubini polynomials
- 14:35-14:55 **Emek DEMIRCI AKARSU**
Random process generated by the short incomplete Gauss sums
- 14:55-15:15 **Umit SARP**, Daeyoul KIM, Sebahattin IKIKARDES
Some applications about Mobius function
- 15:15-15:35 **Murat BEKAR**, YUSUF YAYLI
Some algebraic properties of elliptic biquaternions
- 15:35-15:50 Coffee Break
- 15:50-16:10 POSTER PRESENTATIONS

September 12, 2018

Room 105 Chair: Şenay BAYDAŞ

16:10-16:30 **FATMA TUTAR**, Şenay BAYDAŞ, Bülent KARAKAŞ

Galois theory and palindromic polynomials

16:30-16:50 **Bahar KALKAN**, Şenay BAYDAŞ, Bülent KARAKAŞ

Inverse kinematics computation for a 6-DOF articulated robot arm using conformal geometric algebra

16:50-17:10 **Vedat DÖRMA**, Bülent KARAKAŞ, Şenay BAYDAŞ

Kinematics of 4R and 2RPR mechanisms in Clifford algebra

Room 106 Chair: Cesim TEMEL

14:15-14:35 Elena BESPALOVA, Nataliia YAREMCHENKO

Quasilinearization method in problems of the subcritical deformation of flexible shell systems

14:35-14:55 **Ramazan OZARSLAN**, Erdal BAS, Ahu ERCAN

Singular eigenvalue problems via Hilfer derivative

14:55-15:15 Mehmet Giyas SAKAR, **Onur SALDIR**, Fevzi ERDOGAN

A numerical approach for time-fractional Kawahara equation with reproducing kernel method

15:15-15:35 Zeliha KÖRPINAR, **Fatih COŞKUN**

On the cubic nonlinear Shrodinger's equation with repulsive delta potential

15:35-15:50 Coffee Break

15:50-16:10 POSTER PRESENTATIONS

Room 106 Chair: Hayri TOPAL

16:10-16:30 **Sumeyra UCAR**, Nihal YILMAZ ÖZGÜR

Canonical finite Blaschke products and decomposibility

16:30-16:50 Roselaine Neves MACHADO, **Luiz Guerreiro LOPES**

Ehrlich-Aberth's type method with King's correction for the simultaneous approximation of polynomial zeros

16:50-17:10 **Omer KUSMUS**, I. Hakkı DENIZLER, Necat GORENTAS

Idempotent unit group in commutative group rings of direct products

Room 107 Chair: Mehmet Giyas SAKAR

14:15-14:35 Hıfı ALTINOK, Mithat KASAP, **Derya DENİZ**

Strongly Cesaro summability of order β with respect to a modulus function

14:35-14:55 Hıfı ALTINOK, **Derya DENİZ**, Mithat KASAP

Some properties of sequence class $S^\beta(\Delta, F, f)$ defined by a modulus function

14:55-15:15 **Mahmut KARAKUŞ**, Tunay BİLGİN

Λ - matrix as a summability operator and completeness of certain normed spaces via weakly unconditionally Cauchy series

15:15-15:35 **Yasin KAYA**

The maximal function in Sobolev spaces

15:35-15:50 Coffee Break

15:50-16:10 POSTER PRESENTATIONS

September 12, 2018

Room 107 Chair: Mahmut KARAKUŞ

16:10-16:30 **Kazem HAGHNEJAD AZAR**

Some notes on the order-to-topology continuous operators

16:30-16:50 **Mehmet Gıyas SAKAR**, Onur SALDIR, Fevzi ERDOGAN

Reproducing kernel method with Bernstein polynomials for fractional boundary value problems

16:50-17:10 **İsmail Hakkı DENİZLER**

An analogue of the Artin-Rees Lemma for Artinian modules

15:50-16:10 POSTER PRESENTATIONS

Mohammed Salah ABDELOUAHAB, Safa BOURAFA

On Caputo and Riemann-Liouville fractional-order derivatives with fixed memory length

Ecem ACAR, Aydın İZGİ

On approximation by generalized Bernstein-Durrmeyer operators

Filiz KANBAY, Nurten VARDAR

A fuzzy methodology on surface representation of greenhouse gas estimation

Mohammad Bagher MOGHIMI

Asymptotic aspect of some functional equations

İlkay YASLAN KARACA, **Aycan SİNANOĞLU ARISOY**

Existence of positive solutions for second order impulsive boundary value problems on the half-line

September 13, 2018

8:00-16:00 SOCIAL PROGRAM

8:00 Departure from university campus

9:00-10:30 Van Breakfast

10:30 Departure for Akhdamar Island

11:30-13:00 Visit to Akdamar Island

13:00 Departure for lunch

14:30-16:00 Lunch (in city centre)

16:00 Return to university campus