		Monday 15 February 2021 **Opening Ceremony**
	14:00–17:00	1. Moments with the Holy Quran 2. National Anthem of the Islamic Republic of Iran 3. A short clip about the Universityof Kashan 4. Message from the Minister of Science, Research and Technology to the country's mathematicians and foreign guests. 5. Speech by the President of the University 6. Speech by the President of the Iranian Mathematical Society (IMS) 7. Awarding the Abbas RiyaziKermani Prize to its winner(s) by Professor Rahim Zare Nahandi 8. Conference Chair Report 9. Report of the Chair of the Scientific Committee on the articles received and their review process

Keynote Talks (in Persian)	Time	Lecturer	Title
	18:00–19:00	**Omid Ali Shehni Karamzadeh** (Shahid Chamran University, I. R. Iran)	Homemade Mathematics
	19:30–20:00	**Mohammad Bagheri** (Editor in Chief of Scientific Heritage of Islam & Iran)	نگاهی به زندگی و آثارعلمی غیاث الدین جمشیدکاشانی

Tuesday 16 February 2021

Keynote Talks	8:30–9:30	**Andrei Yu. Vesnin** (Russian Academy of Sciences, Russia)	The Wiener Index and Hyperbolic Geometry of Fullerene Graphs
	10:00–11:00	**Teerapong Suksumran** (Chiang Mai University, Thailand)	Gyrogroups: Generalization of Groups

Topic	Time	Author(s)	Title
Group Theory	11:15–11:35	**Mohammad Reza Darafsheh**	Semi-symmetric graphs of certain order
	11:40-12:00	**Hamid Mousavi**	NAC-group
	12:05-12:25	Danial Khoshnevis and **ZohrehMostaghim**	Some results on divisibility graph in some classes of finite groups
	12:30-12:50	Shirin Fouladi and**Reza Orfi**	Action of automorphism group on a certain subgroup
Rings and Modules	11:15–11:35	**Hossein Eshraghi**	On injectivity of certain Gorenstein injective modules
	11:40-12:00	**Ashkan Nikseresht**	Line graphs with a sequentially Cohen–Macaulay clique complex
	12:05-12:25	**Reza Naghipour**	On the linearly equivalent ideal topologies over Noetherian modules
	12:30-12:50	**Khadijeh Sayyari** and Maryam Jahangiri	A study of cohomological dimension via linkage
Functional Analysis	11:15–11:35	**Mohammad Bagher Asadi**	A characterization of frame–less Hilbert C*–modules
	11:40–12:00	**Kamran Sharifi**	On the graph of unbounded gegular operators on Hilbert C*–Modules
	12:05–12:25	Javad Farokhi Ostad, Mahdi Mohammadzadeh Karizaki and **Mahdi Aliakbari**	Some results about generalized inverse for modular operators based on its components
	12:30-12:50	**Mohsen Rostamian Delavar**	Trapezoid and mid–point type inequalities in $\mathbb{R}^2$ and $\mathbb{R}^3$

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Invited Speaker	11:20–12:00	**Mohsen Kian**	Information Monotonicity from Operator Geometric Mean to Multivariate Deformed Means
Topic	**Time**	**Author(s)**	**Title**
Analysis	12:05–12:25	**Mahdi Mohammadzadeh Karizaki,** Javad Farokhi Ostad and Mahdi Aliakbari	Reverse order law for Moore-Penrose inverses of operators with acting involution
	12:30–12:50	**Meysam Asadipour**	On hypercyclicity and local spectrum
Numerical Analysis	11:15–11:35	Tahereh Eftekhari and **Jalil Rashidinia**	A new operational vector for solving the general form of distributed order fractional differential equations
	11:40–12:00	**Farhad Fakhar-Izadi**	Numerical solution of nonlinear PDEs using modal spectral element method (SEM) in complex geometries with approach of reduction of aliasing error
	12:05–12:25	Maryam Mohammadi, **Reza Mokhtari** and Nader Karimi	An anisotropic fractional nonlinear diffusion equation for multiplicative noise removal of texture images
	12:30–12:50	**Jamshid Saeidian** and Bahareh Nouri	Shape preserving Interpolation by Bézier-like curve

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Topic	Time	Author(s)	Title
Dynamical Systems	11:15–11:35	Majid Gazor and **Nasrin Sadri**	Control bifurcations for a family of linearly uncontrollable nilpotent planner plants
	11:40–12:00	**Zahra Shabani Siahkalde**	On weak specification property of semigroup actions
	12:05–12:25	**Roya Makrooni**, Mehdi Pourbarat and Neda Abbasi	Chaos of Discontinuous maps
	12:30–12:50	**Ghasem Ahmadi**	Emotional Rough Extreme Learning Machines for the Identification of Nonlinear Dynamic Systems
Graphs and Combinatorics	11:15–11:35	**Saeid Alikhani**	On the list distinguishing number of graphs
	11:40–12:00	**Farzad Shaveisi**	On the structure of r–partite N–bounded graphs
	12:05–12:25	**Maryam Shahsiah**	Turan's numbers of Berge hypergraphs
	12:30–12:50	**Mohammad Javad Nadjafi–Arani**	Partition and colored distances in graphs
Keynote Talks	14:00–15:00	**Kees Roos** (Delft University of Technology, Netherland)	Using Nemirovski's Mirror–Prox Method for Solving Homogeneous Feasibility Problems
	15:30–16:30	**Masoud Asgharian** (McGill University, Canada)	Prevalent Cohort Studies: Length-Biased Sampling with Right Censoring

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Topic	Time	Author(s)	Title
Group Theory	16:40–17:00	**Azam Kaheni** and Farangis Johari	On Schur multipliers of special p-groups of rank 3
	17:05–17:25	**Mahsa Mirzargar**	Power graphs based on the order of their groups
	17:30–17:50	**Rasoul Soleimani**	Marginal automorphisms of finite p-groups
	17:55–18:15	**Farangis Johari**	Certain functors for p-groups of class two with elementary abelian derived subgroup of order p^2 and elementary abelian abelianization
	18:20–18:40	**Hayder Shelash** and Hussan Mehdi	The cyclic and normal graph of a group $D_{2n} \times C_p$, where p is an odd prome
	18:45–19:05	**Hassan Khosravi**	Finite groups with the Kappe property
Rings and Modules	16:40–17:00	**Monireh Sedghi**	On the generalization of Mirbagheri-Ratliff's Theorem
	17:05–17:25	**Reza Beyranvand** and AhadollahFarziSafarabadi	A generalization of annihilating-submodule graph
	17:30–17:50	**Alireza Salehi** and AbdolazizHesari	When is a factor ring of C(X) modulo a closed ideal a classical ring?
	17:55–18:15	**Mostafa Amini**	Relative isosuperfluous submodules
	18:20–18:40	**Ali Moradzadeh–Dehkordi**	Rings over which every simple module is FC–pure projective
	18:45–19:05	**Marziye Jamali**	A generalization of weakly prime submodules

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Topic	Time	Author(s)	Title
Functional Analysis	16:40–17:00	**Hosna Jafarmanesh** and Maryam Khosravi	Some inequalities for the numerical radius
	17:05–17:25	**Maryam KeyvaniMaraghi** and MortezaTahmooresi	Schweitzer integral inequality for fuzzy integrals
	17:30–17:50	**Ehsan LotfaliGhasab** and Hamid Majani	Function weighted quasi-metric spaces and an application to fixed point theory
	17:55–18:15	**Hasan Hosseinzadeh**	N-tuple fixed point theorems via α-series on partially ordered cone metric space
	18:20–18:40	**MaysamMosadeq**	Sigma-derivations of operator algebras and an application
	18:45–19:05	**Alireza Pourmoslemi** and Tahere Nazari	Some new fixed point theorems in midconvex subgroups of a Banach group
Operator Theory	16:40–17:00	**Omid Zabeti**	Locally solid vector lattices with the AM-property
	17:05–17:25	**Sayyed MehrabRamezani**	Controlled g-dual frames in Hilbert spaces
	17:30–17:50	**MarjanAdib**	Quasi-uniform and quasi-strong operator topologies on QM(A)
	17:55–18:15	**Samira Mehrangiz**and Bahram KhaniRobati	Adjoint of certain weighted composition operators on Hilbert spaces of analytic functions
	18:20–18:40	**Kamran Musazadeh**	Parseval controlled g-frames in Hilbert spaces
	18:45–19:05	**Hormoz Rahmatan** and Hakime Haji	Estimating coefficients for certain subclass of meromorphic bi-univalent functions

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Topic	Time	Author(s)	Title
Numerical Analysis	16:40–17:00	**SeryasVakili** and GhodratEbadi	A new modified generalized shift–splitting preconditioner for saddle point problems
	17:05–17:25	**Nasrin Samadyar** and YadollahOrdokhani	Numerical solution of stochastic Black–Scholes–Merton model occurring in financial market
	17:30–17:50	**Mohammad Ilati**	A fast meshless method for solving coupled nonlinear advection-diffusion-reaction systems on irregular domains
	17:55–18:15	**Hamid Reza Tabrizidooz**	Composite interpolation method and its application in numerical solution of optimal control problems
	18:20–18:40	**Marzieh Pourbabaee** and Abbas Saadatmandi	Numerical solution of the distributed–order diffusion-wave equation based on Legendre operational matrix
	18:45–19:05	**SedighehSabermahani** and YadollahOrdokhani	A new operational matrix of Fibonacci polynomials for solving a class of distributed order fractional differential equations

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Topic	Time	Author(s)	Title
Differential Equations	16:40–17:00	**Farzaneh Safari** and AbdolrahmanRazani	Existence of a weak solution of an elliptic equation
	17:05–17:25	**Mohammad EsmaelSamei**, FatemeFasihi and Hasti Zanganeh	Existence of positive solution for systems of fractional q–differential equations via multi–point boundary value conditions
	17:30–17:50	**Armin Hadjian**	Three solutions for a two–point boundary value system
	17:55–18:15	**Hajar Ansari** and Mahmoud Hesaaraki	Global existence, asymptotic stability and blow-up for nonlinear Kirchhoff type equation with damping and Coriolis term
	18:20–18:40	**Yasser Khalili** and Mohsen Khaleghi Moghadam	The uniqueness theorem for discontinuous differential pencils
	18:45–19:05	**SeyfollahMosazadeh**	Stability of half inverse problem with boundary conditions dependent on the spectral parameter
Invited Talk	16:40–17:20	**Mohsen Ghasemi**	On Tetravalent Vertex-Transitive Non–Cayley Graphs
Algebraic Graph Theory	17:30–17:50	**Mohammad Reza Oboudi**	On distance spectral radius of complete multipartite graphs
	17:55–18:15	**Mardjan Hakimi-Nezhaad** and Modjtaba Ghorbani	On the spectrum of Seidel matrix of graphs
	18:20–18:40	**Maryam Shirali**	Planarity of perpendicular graph of modules

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Keynote Talks			
	19:30–20:30	**Javad Mashreghi** (Laval University, Canada)	Approximation Techniques in Function Theory
	21:00–22:00	**Henri Darmon** (McGill University, Canada)	Elliptic Curves, Modular Forms, and Explicit Class Field Theory

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Keynote Talks			
	8:30–9:30	**Mukut Mani Tripathi** (Banaras Hindu University, India)	Wintgen Inequality for Kulkarni Curvature Tensors and Its Applications
	10:00–11:00	**Mohammad Shahryari** (Sultan Qaboos University, Muscat, Oman)	On the Structure of Profinite Polyadic Groups

Topic	Time	Author(s)	Title
Algebra Group Theory	11:15–11:35	**Alireza Khalili Asboei**	Characterization of finite groups by the number of elements of prime order
	11:40–12:00	Mohammad Ali Iranmanesh and **Mohammad Zareiyan**	On m–centralizer CA–groups
	12:05–12:25	Mansour Hashemi and **Mina Pirzadeh**	On the t–nacci sequences of some finite groups of nilpotency class two
	12:30–12:50	**Elahe Mehraban** and Mansour Hashemi	On the generalized telephone numbers of some groups of nilpotency class 2
Functional Analysis	11:15–11:35	Sasan Amiri and **Azin Golbaharan**	Surjective linear isometries on little Zygmund spaces
	11:40–12:00	**Farkhondeh Takhteh**	Operator characterizations of von Neumann–Schatten p–Bessel sequences
	12:05–12:25	Ali Barani and **Naser Abbasi**	Generalized Hermite-Hadamard inequality for geometrically p-convex functions on co-ordinate
	12:30–12:50	**Samira Heidari** and Abdolrahman Razani	Weak solutions for a system of non-homogeneous problem

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Topic	Time	Author(s)	Title
Harmonic Analysis	11:15–11:35	Morteza Essmailiand **Mehdi Rostami**	Hereditary property of the notion related with phi−biflatness of Banach algebras
	11:40–12:00	**Sima Soltani Renani** and Zahra Yari	Projectivity of some Banach spaces related to locally compact groups
	12:05–12:25	Eghbal Ghaderi, **Seyedeh Fatemeh Shariati** and Amir Sahami	On approximate notions of Banach homological algebras
	12:30–12:50	**Kianoush Kazemi,** Mohammad Reza Miri and Ebrahim Nasrabadi	First HachschildCohomology Group of Triangular Banach Algebras on Induced Semigroup Algebras
Numerical Analysis	11:15–11:35	**Leila Pedram** and Davoud Rostamy	Numerical solutions of the initial boundary value problem for the perturbed conformable time modified Kawahara equation by using the finite element method
	11:40–12:00	**Sadegh Amiri**	Analysis of the stability of a high order numerical method for solving unsteady nonlinear parabolic differential equations
	12:05–12:25	**Tahereh Molaee** and Alimardan Shahrezaee	A meshless method of lines for the multi-term time-fractional nonlinear mixed diffusion and diffusion-wave equation
	12:30–12:50	**Reza Doostaki**, Mohammad Mehdi Hosseini and Abbas Salemi	A hybrid Laguerre method for the European exchange option pricing

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Topic	Time	Author(s)	Title
Optimization	11:15–11:35	**Zeinab Saeidian**	An efficient trust region line search method for solving the unconstrained optimization problems
	11:40–12:00	**Fatemeh Bazikar**, Saeed Ketabchi and Hossein Moosaei	Reduced DC parametric-margin v-support vector machine
	12:05–12:25	**Mehdi Jahangiri** and Mohsen Abdolhosseinzadeh	Semidefinite relaxation for total dominating set problem
	12:30–12:50	Seyed Morteza Mirdehghan Ashkzari and **Diba Aminshayan Jahromi**	Relaxation method to estimate the nondominated frontier of the biobjective quadratic optimization problems
Geometry and Topology	11:15–11:35	**Neda Ebrahimi**	Characterization of osculating and rectifying curves in semi-Euclidean space of index 2
	11:40–12:00	**Elham Zangiabadi**, Nasrin Mohamadi and Zohre Nazari	Bundle-like metric on foliated manifold with semi-symmetric metric connection
	12:05–12:25	Rostam Mohamadian and **Maryam Zeinali**	On the compactness of minimal prime spectrum of $C_c(X)$
	12:30–12:50	**Mohammad Reza Farhangdoost** and SadeghMerati	The corresponding hom-Lie algebroid module of a representation up to homotopy
Graphs and Combinatorics	11:15–11:35	**Farnaz Soliemany**, Mohsen Ghasemi and RezvanVarmazyar	On the super connectivity of direct product of graphs
	11:40–12:00	**Mehrnoosh Shadravan** and Rajabali Borzooei	Degree-associated reconstruction number of balanced trees
	12:05–12:25	**Amir Khamseh** and Mahyar Ghasedian	Some games based on labeling of graphs
	12:30–12:50	Saeid Alikhani and **Hassan Zaherifar**	On the semitotal dominating sets of graph

Wednesday 17 February 2021

Topic	Time	Author(s)	Title
Coding Theory and Cryptography	11:15–11:35	**Karim Samei** and Arezoo Soufi Karbaski	Quantum codes from quadratic residue codes over $F_{q^r} + vF_{q^r}$
	11:40–12:00	**Mohammad Reza Alimoradi**	A new approach for decoding of cyclic codes over $F_2 + u\,F_2$
	12:05–12:25	**Farzaneh Farhang Baftani**	The Weight Hierarchy of $(u,u+v)$−construction of codes
	12:30–12:50	**Neda Bagheri** and Ali Asghar Talebi	Some subgroup perfect codes in Cayley graphs
Keynote Talk	14:00–15:00	**Maurizio Brunetti** (Università di Napoli Federico II, Italy)	Hoffman Program Between Past and Future: A Tale of Many Matrices
	15:00–17:00	**Annual Meeting of the Women's Committee of the Iranian Mathematical Society** 1. Welcome and announce the program 2. **Speech of Ashraf Daneshkhah,** Secretary of the Women's Committee of the Iranian Mathematical Society (IMS) 3. Play a clip for introducingWomen's Committee ofIMS 4. **Lecture by Carolina Araujo,** Award Wiener of Ramanujan 2020, Brazil and vice president of the IMU committee for women 5. **Speech of Zahra Rahaei**, Secretary of the Employment and Entrepreneurship Working Group of the Vice President for Women and Family Affairs	

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Topic	Time	Author(s)	Title
Group Theory	17:00–17:20	Mohammad Reza AhmadiZand and **SalimehRostami**	Some properties of generalized groups
	17:25–17:45	**Fatemeh Mirzaei**	Upper bounds for the index of the second center subgroup of a pair of finite groups
	17:50–18:10	**Mohammad Ali Salahshour**	On commuting conjugacy class graph of finite groups
	18:15–18:35	**Nasrin Malek-Mohammadi**	Normal subgroup based power graph of finite groups
	18:40–19:00	**Farrokh Shirjian** and Ali Iranmanesh	The Huppert conjecture and its extension to almost simple groups
	19:05–19:25	**Mahdi Abedei** and Ali Iranmanesh	Recognizable of finite groups with property of the prime graph
Functional Analysis	17:00–17:20	**Hakimeh Shahriaripour**	On Increasing Plus-concave-along-rays Functions
	17:25–17:45	**Mohammed Yahya Abed**	On the gg-orthogonality in normed linear spaces
	17:50–18:10	**Mansooreh Moosapoor**	Subspace-mixing operators and subspace-hypercyclicity criterion
	18:15–18:35	**Farzaneh Gorjizadeh** and NohaEftekhari	Some preorder on operators in semi-Hilbertian spaces
	18:40–19:00	**Akram Safari-Hafshejani**	On cyclic strongly quasi-contraction maps
	19:05–19:25	**Ali Shukur,** Anatolij Antonevich and Andri Kochergin	On the behavior of Birkhoff sums generated by irrational rotation

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Topic	Time	Author(s)	Title
Harmonic Analysis	17:00–17:20	**Morteza Essmaili** and Mehdi Rostami	The relationship between condition (W) of Banach algebras and the first cohomology group
	17:25–17:45	**Javad Farokhi Ostad**	G-frames and special modular operators
	17:50–18:10	**Mahshid Dashti** and Sima Soltani Renani	Injectivity of a certain Banach right module
	18:15–18:35	**Ali Reza Ghorchizadeh,** Mohammad Reza Miri and Ebrahim Nasrabadi	Module Lie derivations of triangular Banach algebras to its dual
	18:40–19:00	**Mohammad Reza Farmani**	P–woven g–frames and P–woven fusion frame in tensor product of Hilbert spaces
Numerical Analysis	17:00–17:20	**Mohammad Reza Eslahchi** and Rezvan Salehi	A reproducing kernel particle method for 2D time fractional telegraph equation
	17:25–17:45	**Azam Yazdani** and Farhad Fakhar-izadi	Fully spectral Galerkin method for the modified distributed-order anomalous sub-diffusion equation
	17:50–18:10	**Amin Faghih** and Payam Mokhtary	Spectral Galerkin method using fractional-order Generalized Jacobi functions for solving linear systems of fractional differential equations
	18:15–18:35	Mostafa Abbaszadeh and **Hanieh Amjadian**	Local radial point interpolating method (LRPIM) for solving the fractional Black-Scholes model governing European options
	18:40–19:00	**Azam Hejazi Noghabi** and Alireza Soheili	Numerical solution and stability of the mathematical model of human behaviors during catastrophic events as an epidemic model of fractional derivatives

Topic	Time	Author(s)	Title
Optimization	17:00–17:20	**Jalal Askari**	An optimal model for time-memory control in wireless sensor networks
	17:25–17:45	**Marzieh Izadi** and Mohammad Ali Yaghoobi	Using the random planning method in the investment portfolio selection problem including interval parameters
	17:50–18:10	**Atefeh Abdolah Abyaneh** and Mohammad Ali Raayatpanah	A reliable design of wireless body area networks with energy consumption minimization
	18:15–18:35	**Hossein Pourbashash** and Mahmood Khaksar-e Oshagh	A finite volume method for fractional diffusion equation
	18:40–19:00	**Mohamad Javad Fazeli** and Mahdi Panahi	Extreme spectra realization by real symmetric arrow matrices
	19:05–19:25	**Fatemeh Mirzaei Gaskarei** and Davood Rostamy	Hybrid of finite difference and spectral methods for parabolic time-fractional integro-differential equation
INVITED TALK	17:00–17:40	**ALI A. SHUKUR**	**ON THE BEHAVIOR OF BIRKHOFF SUMS GENERATED BY IRRATIONAL ROTATION**
Dynamical Systems	17:50–18:10	**Najmeh Akbari** and Rasoul Asheghi	Stability and dynamic of the HIV model with logistic growth, treatment, cure rate and cell-to-cell transmission
	18:15–18:35	**Ali Barzanouni**	Proximality, uniformly recurrent, almost periodic point of topological semiflow
	18:40–19:00	**Javad Ebadpour Golanbar** and Farzad Farzanfar	Investigation of the Fredholm of the elliptic Cauchy - Riemann equations including parameters in local and non - local bounded conditions
	19:05–19:25	Mohammad Sadegh Shahrokhi Dehkordi and **MojganTaghavi**	Sigma(2,p)-energy functional and polyconvexity

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Topic	Time	Author(s)	Title
Geometry and Topology	17:00−17:20	**Ali Asghar Rezaei**	Building different types of curves in a specificformula
	17:25−17:45	**Ahmad Reza Attari Polsangi**, Mohammad Reza Farhangdoost and Sadegh Merati	Hom-Lie algebroid structures on double vector bundles and representation up to homotopy
	17:50−18:10	Mohamad Yar Ahmadi and **Sina Hedayatian**	Geometrical properties of shrinking Finsler Ricci solitons
	18:15−18:35	**Behnaz Lajmiri**	Projective vector topic on Finsler Space
	18:40−19:00	**Mohamad Yar Ahmadi**	Ricci flow and estimations for derivatives of Cartan curvature tensor
	19:05−19:25	Fatemeh Raei and**Mohammad Bagher Kazemi**	On pseudo slant submanifolds of 3−cosymplectic manifolds
INVITED TALK	17:00−17:40	**GÜLISTAN KAYA GÖK**	**ON THE ABC INDEX OF GRAPHS**
Graph Theory	17:50−18:10	**ZahraYarahmadi**	Exatremal polyomino chains with respect to total irregularity
	18:15−18:35	**Somayeh Khalashi Ghezelahmad**	A lower bound on graph energy in terms of minimum and maximum degrees
	18:40−19:00	**Mohsen Jannesari Ladani**	On lower bounds for metric dimension of graphs
	19:05−19:25	**Fatemeh Choopani** and Doost Ali Mojdeh	On covering set of dominated coloring in some graph operations

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Topic	Time	Author(s)	Title
Coding Theory and Cryptography	17:00–17:20	**Nasim Abdi Kourani**, Hassan Khodaiemehr and Mohammad Javad Nikmehr	List decoding of unit codes
	17:25–17:45	**Fariba Fayazi** and Ali Reza Ashrafi	Equivalence classes of comma free codes
	17:50–18:10	**Maryam Rezaei Kashi** and Mojtaba Bahramian	Oblivious transfer using generalized Jacobians of elliptic curves
	18:15–18:35	**Saeed Johari**	Sharing the threshold secret of interdependent multi–group using the Chinese remainder theorem
	18:40–19:00	**Leila Goodarzi** and Hassan Daghigh	Isogeny problems in cryptography
	19:05–19:25	**Javad Sharafi** and Hassan Daghigh	Diffie–Hellman key exchange protocol in lattice basic cryptography
Keynote Talks	19:30-20:30	**Luca De Feo** (IBM Research Zürich, Switzerland)	Isogeny Based Cryptography, the New Frontier of Number Theoretic Cryptography
	21:00-22:00	**Khodakhast Bibak** (Miami University, USA)	Congruences in Cryptography, QIS, Coding, NLP, and More

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Keynote Talks	8:30–9:30	**Andrea Solotar** (University of Buenos Aires, Argentina)	Han's Conjecture for Bounded Extensions
	10:00–11:00	**Changchang Xi** (Capital Normal University, China)	Exact Contexts and Recollements of Derived Module Categories

Topic	Time	Author(s)	Title
Hyperstructures	11:15–11:35	Mohammad Samet and **Fereshteh Forouzesh**	Some result in extended .-ideals in PMV-algebras
	11:40–12:00	**Mohammad Hamidi** and Hoda Mohammadi	Hyperring–based graph
	12:05–12:25	**Razieh Naghibi** and Seid Mohammad Anvariyeh	Isomorphism theorems of hyper K–algebras
	12:30–12:50	**Mahdi Anbarloei**	On n–absorbing hyperideals
Lie Algebra	11:15–11:35	**Hasan Shlaka**	Simple associative algebras and their corresponding finitary simple Lie algebras
	11:40–12:00	Saeid Azam and **Fatemeh Parishani**	Geometric reflections and Cayley graph-reflections(Type A_1)
	12:05–12:25	**Seyed Jalal Langari**	The Skjelbred–Sund method to classify nilpotent Leibniz algebras
	12:30–12:50	**JafarOjbag**	A note on Poisson quasi–Nijenhuis Lie groupoids

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Topic	Time	Author(s)	Title
Numerical Analysis	11:15–11:35	**Marzieh Raei**	A meshless partition of unity method for electromagnetic scattering problem of anisotropic obstacle
	11:40–12:00	**Ali Ebrahimijahan** and Mehdi Dehghan	Numerical solution of two-dimensional sinh–Gordon equation via Integrated RBF–FD
	12:05–12:25	**Gholamreza Karamali**	On the CRI method for solving Sylvester equation with complex symmetric semi-definite positive coefficient matrices
	12:30–12:50	**Parisa Rahimkhani** and Yadollah Ordokhani	Hybride of Laplace transform and Chelyshkov wavelets integral operator for solving fractional-order differential equations with delay
Dynamical Systems	11:15–11:35	**Sanaz Lamei** and Maryam Razi	A generalization of Katok entropy formula to measure-theoretic pressure
	11:40–12:00	**Maryam Rabiee Farahani** and Fateme Helen Ghane Ostadghassemi	Invariant bony multi-graphs
	12:05–12:25	**Fatemeh Sadat Mousavinejad** and Mehdi Fatehi Nia	Stability of a stochastic model of the Burst Neurons
	12:30–12:50	**Mahdieh Molaeiderakhtenjani**, Omid Rabieimotlagh and HajimohammadMohammadinejad	Poincare map on degenerate centers

Thursday 18 February 2021

Topic	Time	Author(s)	Title
Probability and Statistical Process	11:15–11:35	**Zahra Sajjadnia**, Zohreh Mohammadi and Maryam Sharafi	INAR(1) model with Zero-and-One inflated Poisson-Lindley innovations
	11:40–12:00	**Esmaeil Bashkar**	Stochastic comparisons of parallel systems with exponentiated Kumaraswamy−G components having Archimedean Copulas
	12:05–12:25	**Mehdi Sabzevari**, Naser Noroozi and Hamid Ghorbani	A new variant of Three Tower Problem
	12:30–12:50	**Elham Karimi** and Yasaman Maleki	Optimal time−frequency spectrum for impendence cardiography signals analysis
Geometry and Topology	11:15–11:35	**Mosayeb Zohrehvand**	Projective vector topics on the cotangent bundle of a manifold
	11:40–12:00	**Fatemeh Ahangari**	Application of Frolicher−Nijenhuistheory in geometric characterization of metric Legendre foliations on contact manifolds
	12:05–12:25	**Samaneh Saberali**	On concircular transformations in Finsler spaces
	12:30–12:50	Parvane Atashpeykar and **Amirhesam Zaeim**	Generalized Ricci solitons on four-dimensional non-reductive homogeneous spaces of signature (2,2)

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Topic	Time	Author(s)	Title
Mathematical Biology	11:15–11:35	**Mohammad Hossein Rahmani Doust** and Atena Ghasemabadi	Analysis Of Predator-Prey System With Infection
	11:40–12:00	**Leila Eftekhari** and Soleiman Hosseinpour	A Fractional-order model of CA3 hippocampal pyramidal neurons
	12:05–12:25	**Ghazale Aliasghari** and Hamid Mesgarani	Approximate solution of tumor growth model with cancer stem cells
	12:30–12:50	**Mohsen Yousefnezhad** and Seyyed Abbas Mohammadi	Optimal protocol of brain tumor chemotherapy with a mathematical model
Keynote Talks	14:00–15:00	**Alireza Abdollahi** (University of Isfahan, I. R. Iran)	Profnite Groups with Many Elements Satisfying a Law
	15:30–16:30	**Mohammad Sal Moslehian** (Ferdowsi University of Mashhad,Iran)	Real and Complex Banach Spaces: Analogies and Differences
Hyperstructures	16:40–17:00	**RajabaliBorzooei** and NargesAkhlaghinia	A new type of filter in EQ–algebras
	17:05–17:25	**SeyedMojtaba Naser Sheykholislami** and Mahdie Haddadi	Injectivity in the category Set$_F$
	17:30–17:50	Mohammad Hamidi and **Marzieh Rahmati**	Hyperdiagrams Related To Switching Functions
Lie Algebra	16:40–17:00	**Afsaneh Shamsaki** and Peyman Niroomand	On a generalization of Schur's theorem
	17:05–17:25	Roghaieh Khosravi and **Mohammadali Naghipoor**	Essentially retractable acts over monoids
	17:30–17:50	**Abdolaziz Hesari** and Alireza Salehi	Depth of factor rings of C(X) modulo Z–ideals

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Numerical Analysis	16:40–17:00	**Ali Mahdipoor** and Ali Eftekhari	A sinc-Nystrom method for solving the Volterra-Fredholm-Hammerstein
	17:05–17:25	**Parisa Shiri** and Mojtaba Hajipour	A fractional pseudo spectral method for solving fractional differential equations
	17:30–17:50	**Zahra Mahmoodi**	Numerical solution of Bratu's problem by the quintic B-spline method
Dynamical Systems	16:40–17:00	**Saman Saki**, Hossein Bolandi and Saeed Ebadollahi	A frequency domain interpretation for the Gap metric on the non−linear operator space: S−Gap metric
	17:05–17:25	**Zahra Mohammadzadeh**	Applications of Bam neural network synchronization in ECG signals
	17:30–17:50	Mehdi Jafari, Mohammad Hadi Moslehi and **Razie Darvazeban Zade**	Conservation laws by scaling method for the fifth−order K−S equations
Computer Mathematics	16:40-17:00	**Monireh Riahi,** Abdolali Basiri, Sajjad Rahmany and Felix Kuebler	Applying computer algebra for parametric representation of the steady states of overlapping generations model
	17:30-17:50	**Safora RezaieAderyani**, Zahra Eidinejad and Reza Saadati	Stability of the fractional Volterra integro-differential equation by means of Psi-Hadamard operator

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Keynote Talks			
	18:00–19:00	**Constantine Tsinakis** (Vanderbilt University, USA)	Residuation in Algebra and Logic: A Short Introduction
	19:30–20:30	**Khalil Shafie** (University of Northern Colorado, USA)	Statistical Inference on Some Abstract Spaces
	21:00–22:00	**Javad Asadollahi** (University of Isfahan, I R Iran)	Higher Dimensional Ideal Approximation Theory

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Keynote Talks			
	8:30–9:30	**Thekiso Seretlo** (University of Limpopo, South Africa)	Clifford−Fischer Theory
	10:00–11:00	Ahmad Reza Soltani (**Kuwait University, Kuwait**)	An Estimation Procedure: Search Detection Via Simulation

Topic	Time	Author(s)	Title
Rings and Modules	11:40–12:00	**Farzaneh Vahdanipour**	Projective dimension over regular local rings
	12:05–12:25	**Maryam Masoudi Arani** and Reza Jahani-nezhad	Group rings which are right gr−ring
	12:30–12:50	**Alireza Najafizadeh**	On prime and completely prime modules

Harmonic Analysis			
	11:15–11:35	**Reza Rezavand**	Construction of a module operator virtual diagonal on the Fourier algebra of an amenable inverse semigroup
	11:20–12:00	**Mohsen Niazi and Mohammad Reza Miri**	A survey on ternary derivations
	12:05–12:25	Ali Ghaffari and **Ebrahim Tamimi**	Φ−Connes module amenability of dual Banach algebras and φ−splitting
	12:30–12:50	**Gholamreza Rahimlou**	Construction of controlled K−g−fusion frames in Hilbert spaces

Numerical Analysis			
	11:15–11:35	**Behzad Nemati Saray**	Multiscale representation of weakly singular integral equations based on multiwavelets
	11:20–12:00	**Salameh Sedaghat**	Solution of a model describing biological species living together using the Jacobi wavelets
	12:05–12:25	Mostafa Abbaszadeh and **Mostafa Bayat**	Meshless local procedure for solving the Couette hydromagnetic flow
	12:30–12:50	**Reza Mohammadi Arani** and Mehdi Dehghan	Solving time-dependent PDEs with rational radial basis function collocation and semi-implicit time discretization

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Topic	Time	Author(s)	Title
Numerical Analysis	11:15–11:35	**Davod Khojasteh Salkuyeh**	A new iterative method for solving a class of two-by-two block complex linear systems
	11:40–12:00	**Hossein Zare** and Masoud Hajarian	Efficient determination of regularization parameter in Tikhonov-type regularization of discrete ill-posed problems
	12:05–12:25	**Alimohammad Nazari**, Maryam Zeinali, Hamid Mesgarani and Atiyeh Nezami	Realizableintervallist of realnumbersby interval nonnegative matrices via lower triangular matrices
	12:30–12:50	**Asiyeh Ebrahimzadeh**	Robust CAS wavelet approach for optimal control of nonlinear Volterra-Fredholm integral equation
Optimization	11:15–11:35	**Alireza Kabgani**	Nonsmooth quasiconvex optimization using lower global subdifferential
	11:20–12:00	**Ali Ansari Ardali**	Optimality and duality for eefficiency in nonsmoothmultiobjective fractional optimization problems
	12:05–12:25	**Nasim Nasrabadi**	A two−step benchmarking approach in value efficiency analysis
	12:30–12:50	**Saeed Doostali** and Mohammad Javad Nadjafi−Arani	A non-convex non-linear optimization model for optimizing lifetime in wireless sensor networks

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Topic	Time	Author(s)	Title
Statistics	11:15–11:35	**Sakineh Dehghan** and Mohammad Reza Faridrohani	A center-outward rank test for multivariate paired data
	11:20–12:00	**Kambiz Ahmadi**	Reliability analysis for a class of an exponential distribution based on progressive first-failure censoring
	12:05–12:25	**Mehran Naghizadeh Qomi** and Zohreh Mahdizadeh	Numerical evaluation of sample sizes in two stage pretest estimation from a Rayleigh distribuion
	12:30–12:50	Shirin Shoaee and Akram Kohansal	Bayesian inference of mortality models in joint life insurance products
Algebraic Geometry	11:15–11:35	Abbas Maarefparvar and **Ali Rajaei**	Polya group in dihedral extensions of Q
	11:20–12:00	**Mehdi Hassani**	On a weighted asymptotic expansion concerning primes counting function and applications to Landau's and Ramanujan's inequalities
	12:05–12:25	**Razieh Ahmadian**	The problem of toroidalization of morphisms: A step forward
	12:30–12:50	**Abbas Maarefparvar** and JavadSharafi	Existence integral basis of biquadratic topics over quadratic subtopics
Graphs and Combinatorics	11:15–11:35	Saeid Alikhani and **Nasrin Jafari**	Total domination polynomial and $\mathbb{D}_t$ −equivalence classes of some graphs
	11:20–12:00	Doostali Mojdeh and **Atieh Teymourzadeh**	Total double Roman domination number
	12:05–12:25	Javad Ebrahimi Boroujeni, **Sajed Karimy** and Shayan Ranjbarzadeh	Maximum fractional forcing number of the products of cycles
	12:30–12:50	Doost Ali Mojdeh, Ali Parsian and **Iman Masoumi**	A new approach on Roman graphs

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Topic	Time	Author(s)	Title
Fuzzy Mathematics	11:40–12:00	**Nivetha Martin,** FlorentinSmarandache and Akbar Rezaei	Multi–strategy decision-making on enhancing customer acquisition using neutrosophic soft relational maps
	12:05–12:25	**Batoul Ganji Saffar**	Fuzzy n–fold obstinate (pre)filters of EQ–algebras
	12:30–12:50	**Mohammadreza Karimzadeh** and Bayaz Daraby	Diyaz–Matkolf inequality for fuzzy integrals
Keynote Talks	14:00–15:00	**Majid Soleimani Damaneh** (University of Tehran, I. R. Iran)	Properly Increasing Maps and Proper Efficiency in Multi-Objective Programming
	15:30–16:30	**Nezameddin Mahdavi–Amiri** (Sharif University of Technology, I. R. Iran)	A Competitive Exact Penalty Approach with Secant Structured Projected Hessian Updates for Constrained Nonlinear Least Squares
Rings and Modules	16:40–17:00	Rasoul Moradi and **Najmeh Dehghani**	On (Quasi–)Morphic Rings
	17:05–17:25	**Esmaeil Rostami**	When Gelfand rings are clean
	17:30–17:50	**Behruz Sadeqi** and Ebrahim Ijabi	Associated primes of formal local cohomology modules
	17:55–18:15	**Niloufar Keshavarz** and Najmeh Dehghani	On trivial extensions of morphic rings
	18:20–18:40	Habibollah Ansari-Toroghy, Faranak Farshadifar and **Sepideh Maleki-Roudposhti**	Generalized 2–absorbing and strongly generalized 2–absorbing second submodules
	18:45–19:05	**Marjan Sheibani Abdolyousefi**	P–Hirano invertible matrices over local rings

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Topic	Time	Author(s)	Title
Non-Linear Analysis	16:40–17:00	**Zahra Dehvari** and Seyed Mohammad Sadegh Modarres Mosadegh	The stability of the Cauchy functional equation in quasilinear spaces
	17:05–17:25	**Sirous Moradi**	The strong convergence of new proximal point algorithm and its application
	17:30–17:50	**Hamid Faraji**	Coincident and common fixed point of mappings on uniform spaces generated by a family of b-pseudometrics
	17:55–18:15	**Maryam Lotfipour**	An equilibrium problem in the absence of usual convexity conditions
	18:20–18:40	**Ali Barani** and Naser Abbasi	Integral Jensen type inequality for preinvex functions
	18:45–19:05	**Ehsan Movahednia** and Parvaneh Lo'lo'	Self testing correcting programs and Ulam stability
Numerical Analysis	16:40–17:00	**Habibollah Jafari**	Spectral accuracy for singularly perturbed boundary value problems with thin interior layer using differential evolution algorithm
	17:05–17:25	Afshin Babaei, Hossein Jafari and **Seddigheh Banihashemi**	A numerical scheme for solving the time-fractional stochastic diffusion equation via orthonormal Chebyshev polynomials
	17:30–17:50	**Shima Baharlouei** and Reza Mokhtari	A stable hybridized discontinuous Galerkin method for the telegraph equation
	17:55–18:15	**Mohammad Heidari** and Maryam Mohammadi	New positive definite RBFs via completely monotone functions of order k
	18:20–18:40	**Donya Haghighi** and Saeid Abbasbandy	The Fragile Points Method (FPM) for solution of the two-dimensional wave equation using point stiffness matrices
	18:45–19:05	**Amin Shahkarami** and Bahman Ghazanfari	A fractional-stochastic model for the capillary formation model with analysis of finite difference method as its numerical solution

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Topic	Time	Author(s)	Title
Numerical Analysis	16:40–17:00	**Elham Zeynal** and Esmail Babolian	A direct method for solving a class of Volterra functional equations
	17:05–17:25	**Mohammad Hemami**, Kourosh Parand and Jamal Amani Rad	An efficient meshfree machine learning approach to simulate the generalized Fitzhugh-Nagumo equation inspired by neuroscience
	17:30–17:50	**Ali Habibirad** and Esmail Hesameddini	A numerical meshless method for fractional differential equations
	17:55–18:15	**Fatemeh Ghanadian**, Reza Pourgholi and SeyedhashemTabasi	An inverse problem for the damped BBM equation
	18:20–18:40	**Raheleh Shokrpour** and Ghodrat Ebadi	Refinement of diagonal and off-diagonal splitting iteration method for solving the linear systems
	18:45–19:05	**Mahdiyeh Manavi**	Moore-Penrose inverse of adjointable operators on Hilbert C*-modules
Optimization	16:40–17:00	**Atefeh Deris** and Mahdi Sohrabi-Haghighat	Applying Game Theory in Tumor Growth Analysis
	17:05–17:25	**Mehrasa Ayatollahi**	Calculating optimum control law for a non-homogeneous linear time-invariant control system via HJB equation
	17:30–17:50	**Maryam Joulaei**, Ali Shahabi and Atefeh Armand	A new approach to fuzzy rough DEA model
	17:55–18:15	**Zohreh Akbari**	Minimization of the locally Lipschitz function by the generalized nonmonotone line search method
	18:20–18:40	**Fatemeh Ghandi** and Mostafa Davtalab-Olyaie	Evaluating the cross-efficiency in supply chains using game theory
	18:45–19:05	Mostafa Davtalab-Olyaieand **Maryam Najafvand Derikvandi**	Neutral cross-efficiency evaluation in the meta-frontier framework

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Topic	Time	Author(s)	Title
Statistics	16:40–17:00	**Ramin Kazemi**	Stress-Strength Reliability of a Weibull-Standard Normal Distribution Based onType-II Progressive Censored Samples
	17:05–17:25	**Amir Abbas Mofidian Naeini** and Reyhaneh Rikhtehgaran	The Initial Conditions Problem in L1 Regularization of Dynamic Random-Intercepts Models
	17:30–17:50	**Nooshin Hakamipour**	Optimal design of step stress test under periodic inspection for exponential distribution
	17:55–18:15	**Zahra Seyedi Lahrodi** and Majid Jafari Khaledi	Regression models based on Birnbaum–Saunders distribution
	18:20–18:40	**Fereshteh Arad** and Ayyub Sheikhi	Improvement of regression models using copula functions
	18:45–19:05	**Me'raj Abdi**, Mohsen Madadi and Ahad Jamalizadeh	Multivariate tail conditional expectation for mean-mixtures family of normal distribution
Topology	16:40–17:00	**Mehdi Parsinia** and Sudip Kumar Acharyya	On some questions concerning rings of continuous ordered-Topic valued functions
	17:05–17:25	**Masoumeh Etebar** and Mohammad Ali Siavoshi	Λ-strongly compact spaces
	17:30–17:50	**Somayeh Soltanpour**	$C_c(X)/P$ as a valuation domain
	17:55–18:15	**Amir Veisi**	Some Ideals and Filters in Rings of Continuous Functions
	18:20–18:40	**Alireza Ahmadi**	Smooth Quasifibrations
	18:45–19:05	**Majid Kowkabi** and Hamid Torabi	On (G;H)-(semi)covering map

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INVITED SPEAKER	17:05–17:25	AKBAR ALI UNIVERSITY OF HA'IL, HA'IL, SAUDI ARABIA	ON THE EXTREMAL PROBLEMS FOR SOME DEGREE-BASED GRAPH INVARIANTS
Topic	**Time**	**Author(s)**	**Title**
Graph Theory	17:30–17:50	**Mahdieh Azari**	On a variant of eccentric connectivity index
	17:55–18:15	**Ali Ghalavand**	Coefficients of the Laplacian and Matching Polynomials of a Graph
	18:20–18:40	**Meysam Taheri–Dehkordi** and Gholamhosein Fath–Tabar	Relationship between k–matching and coefficient of characteristic polynomial of graphs
INVITED TALK	16:40–17:00	EBRAHIM REYHANI SHAHID RAJAEE TEACHER TRAINING UNIVERSITY, I. R. IRAN	INVESTIGATION OF QUALITY OF MATHEMATICS STUDENT REASONING IN DETERMINING THE VALUE OF A PROPOSITIONAL SENTENCE
Mathematics Education	17:05–17:25	**Zahra Mohtasham** and Zahra Gooya	Science- technology-engineering-mathematics A way to deal with the crisis of university mathematics in Iran
	17:30–17:50	**Farahnaz Fakhraddin Arani** and Behnaz Savizi	A meta-analysis of researches on mathematics textbooks in Iran from 87 to 98
	17:55–18:15	**Mohammadreza Tavakkoli Moghaddam** and Zahra Gooya	The effect of new abacuses on learning math: from dream to reality
	18:20–18:40	**Mohammad Hesam Ghasemi** and Zahra Gooya	The vague position of Grade 9 Mathematics Curriculum and Textbook at the end of the General Education

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Keynote Talks	19:30–20:30	**Roberto Garrappa** (University of Bari, Italy)	On the Use of Matrix Mittag–Leffler Functions in Fractional Calculus: From Theory to Applications
	21:00–22:00	**Predrag S. Stanimirovic** (University of Nis, Serbia)	Zeroing neural networks for solving time–varying problems in linear algebra

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Keynote Talks	8:30–9:30	**Bijan Zohuri-Zangeneh** (Sharif University of Technology, I R Iran)	53 Years of Evolutionary Process of a Passionate Mathematician!
	10:00–11:00	**Davoud Mirzaei** (University of Isfahan, I R Iran)	A Recent Progress in Localized RBF Techniques
Topic	**Time**	**Author(s)**	**Title**
Algebra	11:15–11:35	Fateme Olia, **Sedighe Jamshidvand** and Shaban Ghalandarzadeh	LU−factorization method for solving linear systems over max−plus algebra
	11:40–12:00	**Sedighe Jamshidvand**, Fateme Olia and Amirhossein Amiraslani	Finding the degrees of freedom of linear systems over max-plus algebra through normalization method
	12:05–12:25	**Masoumeh Koohestani**, AmirhosseinAmiraslani and Amir Rahnamai Barghi	Some Applications of Tridiagonal Matrices in P-polynomial Table Algebras
	12:30–12:50	**Ali Iranmanesh** and Azitatajaddini	Adaptive simpler GMRES based on tensor format for Sylvester tensor equation
Operator Theory	11:15–11:35	**Amir H. Sanatpour**and Zahra S. Hosseini	Tensor products and BSE−algebras
	11:40–12:00	**Rohollah Parvinianzadeh** and Jumakhan Pazhman	A note on local spectral subspace preservers of Jordan product
	12:05–12:25	**Seyedeh Mahya Hosseini** and Sharifeh Rezagholi	C-norm inequalities for special operator matrices
	12:30–12:50	**Mohammad Ali Ahmadpoor** and Marzieh Shams Yousefi	A note on the p-operator space structure of the p-analog of the Fourier-Stieltjes algebra

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Topic	Time	Author(s)	Title
Numerical Analysis	11:15−11:35	**HojatollahSaeidi** and MohammadshafieDahaghin	On the stability analysis of continuous block backward differentiation formulas up to order 9
	11:40−12:00	**Sayyed Mahmood Zabetzadeh**	Numerical solution for the time fractional fourth order reaction diffusion using a meshless radial point interpolation method based on weak form
	12:05−12:25	**Azar Mirzaei** and MinooKamrani	Providing an implicit new scheme for the numerical solution of a bunch of random ordinary differential equations and investigating its B−stability
	12:30−12:50	**Faezeh Bahmani** and Ali Eftekhari	A hybrid collocation method for solving the convection−diffusion time−fractional equations
Numerical Analysis	11:15−11:35	**FarshidAbdollahi**	Simultaneous hard thresholding algorithms for multiple measurement vectors
	11:40−12:00	**Mohammad Mahdi Moayeri**, KouroshParand and Jamal Amani Rad	Desynchronization of neural oscillator populations using least squares support vector machines
	12:05−12:25	**Somayeh Seifollahzadeh** and GhodratEbadi	Extrapolated iterative method for solving absolute value equations
	12:30−12:50	**Vali Torkashvand**, Masoud Azimi and ManochehrKazemi	Steffensen−like methods with twelfth−order convergence for solving nonlinear equations

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Topic	Time	Author(s)	Title
Geometry and Topology	11:15–11:35	Seyed Mehdi KazemiTorbaghan, Salman Babayi and Keyvan Salehi	Stable exponential harmonic maps with potential
	11:40–12:00	**ParvaneAtashpeykar**and Ali Hajibadali	Characterization of the Killing and homothetic vector Topics on Lorentzian pp-wave four-manifolds
	12:05–12:25	**GholamrezaSoltaniabri**	A method to prove the possibility of accurately drawing a regular 17-sided
	12:30–12:50	**Samira Latifi** and NematAbazari	Some anti de sitter space in different dimensions and coordinates
Keynote Talks	14:00–15:00	**Tomislav Doslic** (University of Zagreb, Croatia)	Packing Stars (and Other Structures) into Fullerenes (and into Other Polyhedra)
	15:30–16:30	**Alain Bretto** (University of Caen, France)	G-graphs and Cayley graphs
Algebra	16:40–17:00	Raheleh Jafari and **MarjanYaghmaei**	The quasi-Frobenius elements of simplicial affine semigroups
	17:30–17:50	Maryam Shirali and **Nasrin Shirali**	On parallel Krull dimension
	17:55–18:15	Mohammad Farrokhi D. G.,**Alireza Shamsian** and Ali Akbar Yazdan Pour	Methods for constructing shellable simplicial complexes
	18:20–18:40	**Narges Haj Aboutalebi**	K-numerical range of quaternion matrices with respect to nonstandard involutions

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Topic	Time	Author(s)	Title
Operator Theory	16:40–17:00	Mohsen Zivari–Rezapour and **Zahra Donyari**	Existence of solution to a class of nonlinear elliptic equation via minimization on the Nehari manifold
	17:05–17:20	**Hamid Khodaei**	A perturbation of n–Jordan derivations on Banach algebras
	17:25–17:40	Fakhreddin Falahat and **Zahra Kamali**	Mean Ergodicity of Multiplication Operators on Besov Spaces
	17:40–18:40	**Vali Soltani Masih**	A new subclass of univalent functions associated with the Lima\c{c}on domain
	18:20–18:40	**Mostafa Hassanlou** and Amirhossein Sanatpour	Roundedness of generalized weighted composition operators between Zygmund type spaces
	18:45–19:05	**Maryam Saadati**and Morteza Oveisiha	On nonsmooth optimality conditions and duality in robust multiobjective optimization
Numerical Analysis	16:40–17:00	**Ali Barati**	Numerical solutions of time-fractional Allen-Cahn equation with sinc collocation method
	17:05–17:20	**Amirhossein Sobhani**	A numerical method for pricing discrete barrier option by CAS wavelet
	17:25–17:40	**Roghayeh Katani**	Numerical solution for nonlinear equation of corneal shape
	17:40–18:40	**Fateme Torabi**, Reza Pourgholi and Sead Amin Esfahani Rashidi	Application of B-spline method for solving inverse Kawahara equation
	18:20–18:40	**Marziyeh Saffarian** and Akbar Mohebbi	The numerical solution of two dimensional variable-order Galilei advection diffusion equation with nonlinear source term
	18:45–19:05	**Erfan Bahmani** and Ali Shokri	A new meshless method for two-dimensional time fractional diffusion wave equation

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Topic	Time	Author(s)	Title
Numerical Analysis	16:40−17:00	**Mohammad Mahdi Izadkhah**	A Hybrid of Diagonal Preconditioner and Shift-Splitting Method for Double Saddle Point Problems
	17:05−17:20	DavodKhojastehSalkuyeh, **Hamed Aslani** and Zhao-Zheng Liang	A preconditioner for three-by-three block saddle point problems
	17:25−17:40	**EisaKhosraviDehdezi** and Saeed Karimi	Higher-order Bi-CGSTAB and Bi-CRSTAB methods for solving the generalized coupled Sylvester tensor equations
	17:40−18:40	**Mohammad Jafari**	Computation of the eigenvalues of the Sturm-Liouville problem using the Mittag-Leffler function
	18:20−18:40	**Somayeh Ghadamyari** and Maryam Mojarrab	A polynomial preconditioner for the LSQR method
	18:45−19:05	**MohammadehsanDadkani**	Approximate solution of optimal fraction control problems by Dickson polynomials
Dynamical Systems	17:30−17:50	**Monireh Nosrati Sahlan** and Mahin Aas	Laplace−Adomian decomposition method for solving a model of HIV infection on CD4^{+} cells
	17:55−18:15	**Saeed Shaabanian**	An overview of Bernoulli action

Saturday 20 February 2021

Topic	Time	Author(s)	Title
Interdisciplinary and Fuzzy Mathematics	16:40–17:00	**Saghar Heidari**	Pricing equity–linked insurance products with options under jump models
	17:05–17:20	**Fazlollah Soleymani**	Deriving coherent and non-coherent risk measures under the logistic distribution
	17:25–17:40	Amir Hosein Hadian Rasanan, **Jamal Amanir Rad** and Amin Padash	Race Levy Flights model: A PDE framework for modeling dynamic decisions with multiple alternatives
	17:40–18:40	**Rasoul Heidary Dastjerdi**	Using a web-based fuzzy inference system to assess the risk of cardiovascular disease
	18:20–18:40	**Marziyeh Motahari**	Solving the nonlinear parabolic free boundary PDEs system using finite difference-spectral collocation method
Logic and Computer Science	16:40–17:00	**Alireza Mofidi**	NIP theories and actions
	17:05–17:20	**Somayyeh Tari**	Quantifier elimination in some first order theories
	17:25–17:40	**Maryam Tahmasbi**, Zahra Rezai Farokh, Zahra Haj Rajab Ali Tehrani and Yousof Buali	New heuristics for burning graphs
	17:40–18:40	**Hamid Salimi,** Morteza Amini and Alireza Hosseini	Face recognition using ordinary and higher–order singular value decomposition classifier: A comparison study
	18:20–18:40	**Nazanin Roshandel Tavana**	Logic and operator algebras
	18:45-19:05	**Mahnaz Habibi**	ML: A machine learning approach to identify party and date hub in PPI network
Keynote Talks	19:30–20:30	**Zahra Gooya** (Shahid Beheshti University, I. R.Iran)	Paradigm change, covid-19 pandemic and new trends in mathematics education research

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