

Tuesday: 18 February 2020

| Time Class | 8:00 - 8:45 | 8:45- 9:30 | 9:30 - 10:15 | 10:15- 10:45 | 10:45 - 11:30 | 11:30 – 12:00 | 12:00 – 12:15 | 12:15 - 14:00 |
|------------------------------------|--------------|---------------------|--|-----------------|--|---|---------------------|------------------------|
| Hall # -1 Faculty of Science | Registration | Opening Ceremony | Keynote Speaker Prof. Ismail Guloglu Frobenius group of automorphisms with almost fixed point free kernel | Coffee Break | Keynote Speaker Prof. M.R. Darafsheh Super character theory of finite groups | Invited Speaker Prof. Ahmad Erfanian Perfectness of some classes of finite p- groups relative to an automorphism | Conference Photo | Prayer and Lunch |

Tuesday: 18 February 2020

| Time Class | 14:00-14:20 | 14:20-14:40 | 14:40-15:00 | 15:00-15:20 | 15:20-15:40 | 15:40- 16:00 |
|------------------------------------|---|---|---|--|--|-----------------|
| Hall # -1 Faculty of Science | H. Mousavi The structure of p - groups with $\nu_c = p$ or $p+1$ | R. Orfi On the clique number of non- commuting graphs of some finite p- groups | N. Ahanjideh The product of particular conjugacy classes of a finite group | H. Jafarian Dehkordy On the P-nilpotency of finite groups | N. Azimi Shahrabi Commuting automorphisms of finite 2-groups of almost maximal class | Coffee Break |
| Room A | A. Bahri An answer to a conjecture on sum of the element orders of finite groups | Z. Sayanjali Partial answer to a conjecture on the character degree graph | H. Shelash Estimation of monad graphs of group C_n generated by linear function | M. Ghasemi Coprimeness among the degrees of irreducible characters | M. Sajedi Cyclicity degree of finite groups | |
| Room B | Z. Riyahi Some relations between the nilpotent multiplier and the n- isoclinism of crossed modules | N. Akbarossadat The dimension of tensor square of n -Lie algebras | E. Khamseh On the non-abelian tensor product of nilpotent finite dimensional Lie super algebra | A. Molkhasi Property of complete Boolean algebras | S. Mahdi Zanjanian Non-units of group algebras over the fours group | |

| Tuesday: 18 February 2020 | | | | | | |
|------------------------------------|--|--|---|---|---|---|
| Time Class | 16:00-16:20 | 16:20-16:40 | 16:40-17:00 | 17:00-17:20 | 17:20-17:40 | 17:45-18:30 |
| Hall # -1 Faculty of Science | Workshop: GAP, Groups, Algorithms and Programming Prof. S.A. Ashrafi | | | | | Discussion and Open Problems |
| Room A | Z. Azhdari Some properties of derival automorphisms group | R. Sharafdini On the adjacency spectrum of Cayley graphs | M. Ghorbani On the eigenvalues of Cayley graphs | M. Bibak A characterization of simple groups L_5 (q) and U_5 (q) by orders and degree patterns for certain q | Kh. Khoramshahi Some results in C_n -groups | |
| Room B | Z. Mostaghim c-normal subgroups in some classes of finite groups | S. Mahdavi Zafarghandi The normal subgyrogroups of some new classes of gyrogroups | M. Pirzadeh Probability that the commutator equation $[x, y]=g$ has a solution in a finite group G | V. Rahmani Boldaji Subgroups generated by two cycles of a symmetric group | F. Salehzadeh Finite non- abelian groups with abelian partition | |

| Wednesday : 19 February 2020 | | | | |
|-------------------------------------|--|---|---|---------------------------------|
| Time Class | 8:15 - 9:00 | 9:00 - 9:30 | 9:30 - 10:00 | 10:00 - 10:40 |
| Hall # -1 Faculty of Science | Keynote Speaker: Prof. Nikolai Vavilov Commutator formulas for relative subgroups, revisited | Invited Speaker Prof. A. Abdollahi Compact groups with many elements of bounded order | Invited Speaker Dr. Roghayeh Hafezieh On bipartite divisor graph for the set of irreducible character degrees | Coffee Break and Poster Session |

| Wednesday: 19 February 2020 | | | | | |
|------------------------------------|---|--|---|---|------------------|
| Time Class | 10:40 - 11:00 | 11:00 - 11:20 | 11:20 - 11:40 | 11:40 - 12:00 | 12:00 - 14:00 |
| Hall # -1 Faculty of Science | F. Shirjian Groups of Lie type: the irreducible characters and related finite dimensional algebras | A. Daneshkhah A characterisation of almost simple group with socle $PSL_2(q)$ | H. Alavi On 2-designs with $\gcd(r, \lambda) = 1$ admitting flag-transitive automorphism groups | M. Bayat Symmetric designs and classical simple groups of dimension four | Prayer and Lunch |
| Room A | J. Choulaki Flag-transitive block designs with prime replication number and almost simple groups | S. Marzang Ensuring commutativity of groups by subsets | S. Mahmood Robati Darafsheh's conjecture for finite simple groups related to conjugacy class sizes | M. Rezakhanlou Towards classifying finite groups whose non-linear irreducible characters are rational valued | |
| Room B | M. Zameni Relative exterior graph of finite group | H. Shahsavari The intersection graphs of finite groups and its applications | S. Barin The n-autonilpotency of cyclic and abelian groups | M. Rezaei Movement of finite non-abelian groups of order pq | |

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| Time Class | 14:00-14:20 | 14:20-14:40 | 14:40-15:00 | 15:00-15:20 | 15:20-15:40 | 15:40-16:00 |
| Hall # -1 Faculty of Science | Workshop: MathSciNet and ZentralBlattMath Prof. Ali Iranmanesh | | | | | Coffee Break |
| Room A | E. Mirdamadi On a graph related to conditionally permutability in finite groups | A. Hamzeh Some remarks on graph polynomials of the power graph and its supergraphs | K. Ahmadidelir Power, enhanced power and commuting graphs of finite dihedral automorphic loops and their relationships | V. Bazoobandi The power graph on the conjugacy classes with circumference 3 | S. Madani Automorphism group of unicyclic graph and bicyclic graph | |
| Room B | H. Rahmatan Study on generator of semigroup in geometric functions theory | M. Ghaneei The nth commutativity degree of semigroups | N. Okhovat Junaghani Block designs with flag-transitive automorphism groups | S. Rostami Some properties of generalized groups | F. Raei Properties of the valency pattern of association p-schemes | |

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| Time Class | 16:00-16:20 | 16:20-16:40 | 16:40-17:00 | 17:00-17:20 | 17:20-17:40 | 17:45-18:15 |
| Hall # -1 Faculty of Science | M. Arezoomand Which finite supersolvable groups are totally 2-closed? | M. Bahrami Taghanaki On graphs arising from group actions | M. Akbari The energy of a prime graph associated with a finite group | Y. Bagheri Concerning some properties of signed graphs associated with specific graphs | J. Mirzajani Concerning solvability graphs associated with finite groups | Closing Ceremony |
| Room A | F. Mohebian On the upper n-autocentral series of groups | M. Alizadeh Sanati On the polynilpotent multiplier of powerfull p-groups | S. Bamery Complete invariant fuzzy metrics on groups | M. Hassanzadeh Self-centralizing elements in symmetric and alternating groups | H. Naraghi Construct multigroups by an equivalence relation on multisets | |