Curriculum Vitae

Reza Orfi
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Personal Data

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Position: Assistant professor

Education

Ph. D. in Pure Mathematics - Group Theory,
Tarbiat Moallem University (Kharazmi University), Tehran, Iran.
Supervisor: Prof. Ali Reza Jamali (2002-2007).

M. Sc. in Pure Mathematics, Group Theory,
Tarbiat Moallem University (Kharazmi University), Tehran, Iran.
Supervisor: Prof. Ali Reza Jamali (2000-2002).

B. Sc. in Pure Mathematics,
Tarbiat Moallem University (Kharazmi University), Tehran, Iran.
(1996-2000).

Research Interests

Automorphism Group, Finite p-groups,
Computer Algebra (GAP-MAGMA)
Presentation of Group,
Combinatorial Group Theory
Lie Ring Method in finite Group Theory

Publications:

1) S. Fouladi, A. R. Jamali and R. Orfi, Automorphism groups of finite p-groups of coclass 2, *Journal of Group Theory* 10 (2007), no.4, 437-440.

2) S. Fouladi, A. R. Jamali and R. Orfi, On the automorphism groups of finite p-group with cyclic Frattini subgroup, *Math. Proc. Royal. Irish, Math.* 108(2008), no.2, 165-175.

3) S. Fouladi and R. Orfi, Automorphisms of metabelian prime power order groups of maximal class, *Bull. Aust. Math. Soc.* 77(2008), no.2, 261-276.

4) S. Fouladi, A. R. Jamali and R. Orfi, Some 3-generator, 3-relation 2-groups, *Comm. Algebra* 37(2009), no. 1, 40-46.

5) S. Fouladi and R. Orfi, On the nilpotency class of the automorphism group of some finite p-groups, *Bull. Iran. Math. Soc.* 37(2011), no.3, 281-289.

6) S. Fouladi and R. Orfi, Maximal subsets of pairwise non-commuting elements of some finite p-groups of maximal class, *Bull. Aust. Math. Soc.* 84(2011), no.3, 447-451.

7) S. Fouladi and R. Orfi, Groups of order 2048 with three generators and three relations, *Int. Journal of Group Theory* 1(2012), no.1, 29-37.

8) A. Azad, S. Fouladi and R. Orfi, Maximal subsets of pairwise non-commuting elements of some finite p-groups, *Bull. Iran. Math. Soc.* 39(2013), no.1, 187-192.

9) S. Fouladi and R. Orfi, Maximum size of subsets of pairwise non-commuting elements in finite metacyclic p-groups, *Bull. Aust. Math. Soc.* 87(2013), no.1, 18 - 23.

10) S. Fouladi and R. Orfi, Commuting Automorphisms of some finite groups, *Glas. Math.* 48(2013), no.1, 91-96.

11) R. Orfi, Maximal subsets of pairwise non-commuting elements of p-groups of order less than p^6, *Int. Journal of Group Theory* 3(2014), no.1, 65-72.

12) S. Fouladi and R. Orfi, The Automorphism group of a finite minimal non-abelian p-group, *Mathematical Reports* 16(2014), no.1, 133-139.

13) S. Fouladi and R. Orfi, Minimal non-abelian groups as automorphism groups of finite groups, *Journal of Algebra and its Application* 13(2014), no. 5, 1350150, 6 pp.

14) S. Fouladi and R. Orfi, Noninner automorphisms of order p in finite p-groups of coclass 2, *Bull. Aust. Math. Soc.* 90(2014), no. 2, 232-236.

15) S. Fouladi, A. R. Jamali and R. Orfi, Schreier's extension theory for Lie rings, *J. Algebra and its Application* 14(2015), no. 8, 1550127, 10 pp.

16) S. Fouladi, A. R. Jamali and R. Orfi, Automorphisms of abelian Lie ring extensions, J. Algebra and its Application 16(2017), no. 8, 1750176, 12 pp.

Seminar and Conference

1) Finite metacyclic p-groups with few p-automorphisms, 20th *Seminar of Algebra* (2009).

2) Automorphisms of metabelian Prime power order groups of maximal class, *First Group Theory Conference* (2008).

3) On the nilpotency class of the automorphism group of a finite p-group, *Second Group Theory Conference* (2009).

4) Constructing two generators groups of order 1024 with trivial Schur Multiplier, 22th *Seminar of Algebra* (2012).

5) Determining p-groups whose automorphism group is General linear group. *43-Annual Iranian Mathematics Conference* (2013), Tabriz University.

6) (Computational Group Theory Workshop Speaker) The First Conference on Computational Algebra and Computational Number Theory, (2014) Kashan University.

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7) (GAP Workshop Speaker) The Second Conference on Computational Algebra and Computational Number Theory, (2015)Kashan University.

.

8) (Invited Speaker) Some finite groups which can occur as automorphisms group of finite group, 8th *Iranian Group theory Conference* (2016), Tabriz University.

9) Noninner automorphisms of order p in some finite p-groups of coclass 3, *47-Annual Iranian Mathematics Conference* (2016), Kharazmi university.

Supervised M.Sc. students and title of their thesis:

1) P. Ahmadi, Central Automorphisms of finite groups (Supervisor-2010).

2) F. Mahmoodi, Automorphisms of Direct products of finite groups (Advisor-2010).

3) M. Maleki, Finite p-groups all of whose non-abelian proper subgroups are generated by two elements (Supervisor-2011).

4) R. Zolnoorian, On subgroups of finite p-groups (Advisor-2011).

5) Z. Ghalebi, The automorphism group of split metacyclic p-group (Advisor-2011).

6) M. Ilkhani, On the occurrence of some finite groups as central automorphism groups (Advisor-2011).

7) M. Heydari, Some result about non-cyclic graph of finite group (Supervisor-2012).

8) M. Salehi , Non-cyclic graph associated with a group (Supervisor-2012).

9) N. Zanagaraki , Non-Cyclic graph (Supervisor-2012).

10) Amal Sawari , Powerful p-groups with noninner automorphisms of order p (Supervisor-2013).

11) F. Poryousefi , On Minimal Orders of Group with Odd Order Automorphism (Supervisor-2013).

12) A. Yousefinia, On central automorphisms fixing the center (Supervisor-2013).

13) A. Chegeni, Sum of order elements in finite groups (Supervisor-2013).