Azam Pourmirzaei

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Education:

September 1999- June 2003: B.S. in Payame noor University of Mashhad, Iran
June 2003-June 2005: M.S. in pure mathematic, Ferdowsi University of Mashhad, Iran (mathematic centre of excellence)
June 2005-August 2010: Ph.D. in pure mathematic, Ferdowsi University of Mashhad, Iran (mathematic centre of excellence)

Present Employment & Position:

Assistant Professor of Mathematics at the Hakim Sabzevari University.

Research Experiences:

September 2005: M.S.Thesis "The Capability of some p-groups"
Advisor: Dr. Saeed Kayvanfar
August 2010: Ph.D.Thesis "On the Capable, Perfect and Nilpotent Pair of Groups."
Supervisor: Dr. Saeed Kayvanfar

Subject Studied in M.S.:

Advanced Algebra
Real analysis (1)
Finite Groups
Manifold
Infinite Group
Homological Algebra

Subject Studies in Ph.D.:

Topics in Group Theory (I)
Topics in Group Theory (II)
Topics in Homological Algebra (II)
Topics in Group Theory (III)

Papers in journal:

1. The Capability of a Pair of Groups, Bulletin of the Malaysian Mathematical Sciences Society, 35 (2012), 205-213.

2. A criterion for *c*-capability of pairs of groups, Tbilisi Mathematical Journal 5 (2012), pp. 31–38.

3. On the Nilpotency of a Pair of Groups, Southeast Asian Bulletin of Mathematics (2013) 37: 67–77

4. On relative central extensions and covering pairs, Journal of Algebraic Systems Vol. 4, No. 1, (2016), 1-13

5. Some Bounds for the Index of the *n*-Center Subgroup of an *n*-Abelian Group. (to appear).

6. Baer's theorem and its converse in the variety of n-Abelian groups, U.P.B. Sci. Bull., Series A, Vol. 82, (2020), 75-82

7. On n-nilpotent groups and n-nilpotency of n-abelian groups, Mathematics Interdisciplinary Research 5 (2020), 355-366

8. An upper bound for the index of the second *n*-center subgroup of an *n*-abelian group, Global Analysis and Discrete Mathematics, Vol.6, 2, (2022), 263–268.

9. On the order of the *n*-center factor subgroup of an *n*-abelian group, Global Analysis and Discrete Mathematics, Vol.6, 2, (2022), 303-308.

10. Remarks on the autocommutator subgroup and absolute center of a group, U.P.B. Sci. Bull., Series A, accepted.

Presentations/Conferences:

1. A note on absolutely and relatively capable groups, 22nd Iranian Algebra Seminar, 2012
2. Capable pairs of finitely generated abelian groups, 1st Algebraic Structures Seminar, 2012
3. On the Nilpotency of a Pair of Groups, Fourth Group Theory Conference of Iran, 2012
4. On The Exterior G-center subgroup of a pair of groups, 22nd Iranian Algebra Seminar, 2012
5. The frattini and residually nilpotent pair of groups, The 44th Annual Iranian Mathematics Conference, 2013
6. An approach to c-imperfect groups, The 6th International Group Theory Conference, 2014
7. On the n-c-Nilpotent Groups, 46th Annual Iranian Mathematics Conference, 2015

8. Some results on relatively capable groups, The 8th Iranian Group Theory Conference, 2016
9. *n*-Nilpotent Fuzzy Subgroup, 25*th* Iranian Algebra Seminar, 2016
10. The autocommutator subgrorp and absolute center of a group, The 49th Annual Iranian Mathematics Conference, 2018