

MARYAM KHATAMI

Affiliation

Assistant Professor, Department of Mathematics, University of Isfahan, 81745-163, Isfahan, Iran.

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Education

continuous phd of mathematics, Amirkabir university of Technology (Tehran Polytechnic), 2002-2011

B.Sc.: Pure Mathematics, Department of Mathematics and Computer Sciences, Amirkabir university of Technology (Tehran Polytechnic), Iran, 2005.

M.Sc.: Pure Mathematics, Department of Mathematics and Computer Sciences, Amirkabir university of Technology (Tehran Polytechnic), Iran, 2007.

- ✓ **Thesis:** The Noncommuting Graph of a Group
- ✓ **Supervisor:** Professor Behrooz Khosravi, **Mark:** 19.25

Ph.D: Pure Mathematics (finite group theory), Department of Mathematics and Computer Sciences, Amirkabir university of Technology (Tehran Polytechnic), Iran, 2011.

- ✓ **Thesis:** NCF-distinguishability of some finite groups by prime graph
- ✓ **Supervisor:** Professor Behrooz Khosravi, **Mark:** 20

Visiting Research Student, Department of Mathematics, Jaume I University, Castellón de la Plana, Spain, 2009-2010.

Research Interest

Finite Group theory, Character theory, Combinatorics.

Honors

- ✓ Ranked 91th in the Nationwide University Entrance Exam with more than 400,000 applicants, Iran, July 2002.
- ✓ Ranked 20th in the University Entrance Exam in the field of Foreign Languages, Iran, July 2002.

Teaching Experiences

University of Isfahan

- Linear Algebra 1 & 2 (2011-2012-2015)
- Algebra 1 & 2 & 3 (2012-17)
- Ordinary Differential Equations (2012-19)
- Calculus (2012)
- Group Theory I (2013-2015)
- Advanced Algebra (2013-2014)
- Algebraic Graph Theory (2015-2017)
- Permutation Groups (2016)
- Number Theory (2017)
- Fundamentals of Mathematics (2018)
- Discrete Mathematics (2019)

Amirkabir University of Technology:

- Number theory (2009)
- TA of Calculus I & II (2007-8)

Publications

- ✓ Z. Akhlaghi, **M. Khatami** and B. Khosravi, "Quasirecognition by prime graph of the simple group ${}^2F_4(q)$ ", Acta Mathematica Hungarica, 122 (4) (2009) 387-397.
- ✓ Z. Akhlaghi, B. Khosravi and **M. Khatami**, "Characterization by prime graph of $PGL(2, p^k)$ where p and $k > 1$ are odd", International Journal of Algebra and Computation, 20 (7) (2010).
- ✓ **M. Khatami**, B. Khosravi and Z. Akhlaghi, "NCF-distinguishability by prime graph of $PGL(2, p)$ ", Rocky Mountain J. Math., 41 (5) (2011) 1523-1545.
- ✓ **M. Khatami**, Z. Akhlaghi and B. Khosravi, "A new characterization for some linear groups", Monatsh. Math., 163 (1) (2011) 39-50.
- ✓ B. Khosravi, Z. Akhlaghi and **M. Khatami**, "Quasirecognition by prime graph of simple group $D_n(3)$ ", Publicationes Mathematicae-Debrecen, 78 (2) (2011) 469-484.
- ✓ B. Khosravi and **M. Khatami**, "A new characterization of $PGL(2, p)$ by its noncommuting graph", Bull. Malays. Math. Sci. Soc., 34 (3) (2011) 665-674.
- ✓ B. Khosravi, **M. Khatami** and Z. Akhlaghi, "Some new characterizations for $PGL(2, q)$ ", CUBO A Mathematical Journal, 13 (2) (2011) 151-161.

- ✓ Z. Akhlaghi, A. Beltran, M.J. Felipe, **M. Khatami**, “Normal subgroups and p-regular G-class sizes”, J. Algebra, 336 (2011) 236-241.
- ✓ Z. Akhlaghi, A. Beltran, M.J. Felipe, **M. Khatami**, “Structure of normal subgroups with three G-class sizes”, Monatsh. Math., 167 (1) (2012) 1-12.
- ✓ Z. Akhlaghi, A. Beltran, M.J. Felipe, **M. Khatami**, “Finite p-solvable groups with three p-regular conjugacy class sizes”, Proceedings Edinburgh Math. Soc., 55 (2012) 371-386.
- ✓ Z. Akhlaghi, **M. Khatami**, B. Khosravi, “On the prime graph of $D_n(q)$, where $q \in \{2, 5\}$ ”, Quaestiones Mathematicae, 36 (2013) 517-535.
- ✓ Z. Akhlaghi, **M. Khatami**, T. Le, J. Moori and H.P. Tung-viet, “A dual version of Huppert’s conjecture on conjugacy class sizes”, Journal of Group Theory, 18 (2015) 115-131.
- ✓ Z. Akhlaghi, **M. Khatami**, Improving Thompson’s Conjecture for Suzuki Groups, Communications in Algebra, 44 (9) (2016) 1-6.
- ✓ **M. Khatami**, A. Babai, Recognition of some families of finite simple groups by order and set of orders of vanishing elements, Czechoslovak Math. J., 68 (2018) 121-130.
- ✓ Z. Akhlaghi, **M. Khatami**, B. Khosravi, Recognition of simple groups $PSL_2(q)$ by character degree graph and order, International Journal of Group Theory, (2019) DOI: [10.22108/IJGT.2017.103226.1424](https://doi.org/10.22108/IJGT.2017.103226.1424).
- ✓ **M. Khatami**, A. Babai, NSE characterization of some Suzuki groups, Quasigroups and Related Systems, 27 (2019) 15-24.
- ✓ A. Babai, **M. Khatami**, A new characterization of $A_p(2)$ and $A_{p-1}(2)$ where 2^{p-1} is a prime, MATH. REPORTS, 21(71), 4 (2019), 431–440.
- ✓ R. Sobhani, A. Abdollahi, J. Bagherian, **M. Khatami**, A note on good permutation codes from Reed–Solomon codes, Designs Codes and Cryptography, (2019) DOI: [10.1007/s10623-019-00621-0](https://doi.org/10.1007/s10623-019-00621-0).
- ✓ M. Ebrahimi, **M. Khatami**, Z. Mirzaei, 1-Connected character-graphs of finite groups with non-bipartite complement, Journal of Algebra and Its Applications, to appear.

Presentations:

- ✓ **M. Khatami**, On the prime graph associated with a finite group, Polytechnic university of Valencia, Spain, December 2010.
- ✓ **M. Khatami**, Normal subgroups with three G-conjugacy class sizes, The fourth Group theory conference of Iran, Payam noor university of Isfahan, March 2012.
- ✓ **M. Khatami**, Improving Thompson’s conjecture for some simple groups, 8th Iranian group theory conference, university of Tabriz, February 2016.