



Hasan Barzegar

Assistant Professor

College: Mathematics

Education

Degree	Graduated in	Major	University
BSc	2000	pure mathematic	Lorestan university
MSc	2002	pure mathematic- algebra	Tehran- Shahid Beheshty university
Doctoral	2010	pure mathematic	Tehran- Shahid Beheshty university

Papers in Conferences

1. H. Barzegar,Essentiality in the category of S-acts,2nd national conferenceon Mathematics and its applications,2010 May 28.
2. H. Barzegar,Injectivity versus dense injectivity in topological spaces,2nd national conferenceon Mathematics and its applications,2010 May 28.
3. H. Barzegar,Well behaviour of strongly s-dense injectivity and essentiality of acts,22 seminar, Iran Algebra,2014 November 12.
4. H. Barzegar ,On sequential purity of acts over semigroups ,17 seminar, Iran Algebra ,8-9 March 2006.
5. H. Barzegar ,Sequentially pure injectivity and Baer type criteria for acts over semigroups ,20 seminar, Iran Algebra ,22-23 april 2009.
6. H. Barzegar ,Sequentially compact ,22 seminar, Iran Algebra ,2012 January 31.

Papers in Journals

1. O. Nekooei, H. Barzegar and A. R. Ashrafi,Permanents of Hexagonal and Armchair Chains,International Journal of Mathematics and Mathematical Sciences,2022,11,23.
2. B. Tahmasebi Ashtiania, H. Rasoulia, A. Tehraniana, H. Barzegar,On lifting acts over monoids,Journal of linear and topological algebra,31 /12/ 2022.
3. Ali Asghar Gholipour, Hasan Barzegar, Hamid Rasouli and Abolfazl Tehranian,S-Acts with Finitely Generated Universal Congruence,Mathematics Interdisciplinary Research,26 October 2022.
4. Maryam Mohammadi, Hasan BARzegar, Alireza Ashrafi,Comparisons of the Sombor Index of Alkane, Alkyl, and Annulene Series with Their Molecular Mass,Journal of chemistry,Vol. 2022,2022/8/10.
5. H. barzegar,Boolean algebras derived from a quotient of a distributive lattice,Bulletin of Mallaysian mathematical Sciences Society,2022.

6. B. Tahmasebi Ashtiani , H. Rasouli , A. Tehranian and H. Barzegar, On the notion of supplement in acts over monoids, *Journal of Algebra and Its Applications*, 2022.
7. Hasan Barzegar, Injectivity versus dense injectivity in topological spaces, *ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS*, Vol. 46, pp. 412-416, 2021.
8. Hasan Barzegar, STRONGLY S-DENSE INJECTIVE HULL AND BANASCHEWSKI'S THEOREMS FOR ACTS, *Mathematica slovak*, pp. To appear in *Mathematica slovak*, 2020.
9. H. Barzegar, ERRATUM TO: CONGRUENCES AND IDEALS IN A DISTRIBUTIVE LATTICE WITH RESPECT TO A DERIVATION, *Bulletin of the Section of Logic*, Vol. 48, pp. 77-79, 2019.
10. H. Barzegar, Domination and representation of intersection graph on topological spaces. *Journal of new research in mathematics*. ۱۴۸.۲۰۱۸-۱۳۷ مجله ۱۴ شماره صفحات.
11. H. Rasouli, H. Barzegar, L. Shahbaz, Purity in the category of S-posets, *Communication in Algebra*, Vol. 45, No. 12, pp. 5053-5067, 2017.
12. H. Barzegar, Sequentially compact S-acts, *Journal of Algebraic Systems*, Vol. 5, No. 2, pp. 111-125, 2017.
13. H. Rasouli, H. Barzegar, Po-S-Dense Monomorphism, *Int. J. Industrial Mathematics*, Vol. 10, No. 1, pp. 45-54, 2017.
14. H. Barzegar, The categorical properties of partially ordered regular pure monomorphisms. *Journal of new research in mathematics*. ۷۴.۲۰۱۷-۶۱ مجله ۱۰ شماره صفحات.
15. H. Barzegar , H. Arianpoor, On baer type criterion for C-dense, C-closed and quasi injectivity, *Journal of Linear and Topological Algebra*, Vol. 5, No. 2, pp. 105-109, 2016.
16. H. Rasouli, H. Barzegar, The regular-injective envelope of S-posets, *Semigroup forum*, Vol. 92, pp. 186-197, 2016.
17. H. Barzegar, Essentiality in the category of S-acts, *European journal of pure and applied mathematics*, Vol. 9, No. 1, pp. 19-26, 2016.
18. H. Barzegar, Sequentially pure injectivity, *Quaestiones Mathematicae*, Vol. 38, No. 2, pp. 191-201, 2015.
19. H. Barzegar, Sequentially Complete S-acts and Baer type criteria over semigroups, *European journal of pure and applied mathematics*, Vol. 6, No. 2, pp. 211-221, 2013.
20. H. Barzegar, Strongly s-dense monomorphism, *Journal of Hyperstructures*, Vol. 1, No. 1, pp. 14-26, 2012.
21. H. Barzegar, M.M. Ebrahimi, M. Mahmoudi, Essentiality and Injectivity, *Applied Categorical Structure*, Vol. 18, pp. 73-83, 2010.
22. H. Barzegar, M.M. Ebrahimi, M. Mahmoudi, Essentiality and injectivity relative to sequential purity of acts, *Semigroup forum*, Vol. 79, pp. 128-144, 2009.
23. H. Barzegar, M.M. Ebrahimi, sequentially pure monomorphisms of acts over semigroups, *European journal of pure and applied mathematics*, Vol. 1, No. 4, pp. 41-55, 2008.