



امیر حسین نخودکار حسن آبادی

Associate Professor

College: Faculty of Mathematics

Department: Pure Mathematics

Education

Degree	Graduated in	Major	University
BSc	2007	Pure Mathematics	Sharif University of Technology
MSc	2009	Pure Mathematics	Sharif University of Technology
Ph.D	2014	Pure Mathematics	Sharif University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan	Assistant Proffesor	Tenured	Full Time	

Papers in Conferences

1. امیرحسین نخودکارحسن آبادی، سمیرا طیبی، جبر تشابه‌های فرم‌های مربعی تعمیم یافته در مشخصه دو، کنفرانس ریاضی ایران، ۲۰۲۳/۰۸/۲۳.
2. A. H. Nokhodkar ,The Wall form and the spinor norm in orthogonal group ,Iranina Group Theory Conference ,2017 1 2.
3. A. H. Nokhodkar ,The group of elements represented by multi-quaternion algebras with orthogonal ,Iranina Group Theory Conference ,2017 1 2.
4. A. H. Nokhodkar ,On split Clifford algebras with involution in characteristic two ,Annual Iranian Mathematics Conference ,2015 8 25.

Papers in Journals

1. A. H. Nokhodkar,The metabolicity index of involutions in characteristic two,J. Pure Appl. Algebra,2021.
2. A. H. Nokhodkar,On the possible decompositions of totally decomposable orthogonal involutions in characteristic two,J. Algebra Appl.,2021.
3. A. H. Nokhodkar,Erratum to the paper "Quadratic descent of hermitian forms.Math. Nachr.۲۰۲۰.
4. A. H. Nokhodkar,Applications of systems of quadratic forms to generalised quadratic forms,Bull.

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5. A. H. Nokhodkar, Quadratic \mathbb{S} -forms with applications to hermitian forms, *J. Pure Appl. Algebra*, Vol. 224, No. 6, 2020.
6. A. H. Nokhodkar, Quadratic descent of hermitian forms, *Math. Nachr.*, Vol. 292, pp. 2294-2299, 2019.
7. A. H. Nokhodkar, Separable descent of totally decomposable orthogonal involutions in characteristic two, *Comm. Algebra*, Vol. 46, pp. 528-5289, 2018.
8. A. H. Nokhodkar, Hermitian forms and systems of quadratic forms, *Doc. Math*, Vol. 23, pp. 747-758, 2018.
9. A. H. Nokhodkar, Separable extensions of orthogonal involutions in characteristic two, *J Algebra*, Vol. 501, pp. 44-50, 2018.
10. A. H. Nokhodkar, On the Second Trace Form of Biquaternion Algebras with Involution, *Bull. Iranian Math. Soc*, Vol. 44, No. 6, pp. 1591-1598, 2018.
11. A. H. Nokhodkar, On totally singular generalized quadratic forms, *Bull. Belg. Math. Soc. Simon Stevin*, Vol. 25, No. 3, pp. 383-392, 2018.
12. A. H. Nokhodkar, On biquaternion algebras with orthogonal involution, *TURK J MATH*, Vol. 42, No. 3, pp. 752-762, 2018.
13. A. H. Nokhodkar, Pfister involutions in characteristic two, *B LOND MATH SOC*, Vol. 49, No. 3, pp. 505-511, 2017.
14. A. H. Nokhodkar, Descent properties of biquaternion algebras with involution, *MATH NACHR*, Vol. 290, No. 14, pp. 2334-2340, 2017.
15. A. H. Nokhodkar, The chain equivalence of totally decomposable orthogonal involutions in characteristic two, *J ALGEBRA*, Vol. 472, pp. 414-424, 2017.
16. A. H. Nokhodkar, Quadratic descent of totally decomposable orthogonal involutions in characteristic two, *J PURE APPL ALGEBRA*, Vol. 221, No. 4, pp. 948-959, 2017.
17. A. H. Nokhodkar, Orthogonal involutions and totally singular quadratic forms in characteristic two, *MANUSCRIPTA MATH*, Vol. 154, No. 3, pp. 429-440, 2017.
18. A. H. Nokhodkar, Symmetric square-central elements in products of orthogonal involutions in characteristic two, *B AUST MATH SOC*, Vol. 96, No. 3, pp. 412-425, 2017.
19. A. H. Nokhodkar, Applications of the Wall form to unipotent isometries of index two, *COMMUN ALGEBRA*, Vol. 45, No. 3, pp. 1019-1027, 2017.
20. A. H. Nokhodkar, On the decomposition of metabolic involutions, *J ALGEBRA APPL*, Vol. 16, No. 7, pp. 11, 2017.
21. M. G. Mahnoudi, A. H. Nokhodkar, On totally decomposable algebras with involution in characteristic two, *J ALGEBRA*, Vol. 451, pp. 208-231, 2016.
22. M. G. Mahnoudi, A. H. Nokhodkar, Involutions of a Clifford Algebra Induced by Involutions of Orthogonal Group in Characteristic 2, *COMMUN ALGEBRA*, Vol. 43, No. 9, pp. 3898-3919, 2015.
23. M. G. Mahnoudi, A. H. Nokhodkar, On split products of quaternion algebras with involution in characteristic two, *J PURE APPL ALGEBRA*, Vol. 218, No. 4, pp. 731-734, 2014.
24. Amir Hossein Nokhodkar, Some generalizations of Springer's theorem in characteristic two, *Journal of algebra and its applications*, 2024 01 01.