

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1984 - 1988

Post Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1982 - 1984

Under Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1976 - 1981

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, On hughes problem, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 1988

Post Graduate, on finite solvable groups admitting an automorphism of prime order, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 1984

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2012 - Continues

Courses

Representation theory of finite groups, Doctorate, 2016 - 2017

Finite Groups, Doctorate, 2016 - 2017

Advising Theses

ERCAN G., On the generating graphs of the symmetric and alternating groups, Doctorate, F.ERDEM(Student), 2018

ERCAN G., The influence of some embedding properties of subgroups on the structure of a finite group, Doctorate, M.YASİR(Student), 2018

ERCAN G., Beauville structures in p-groups, Doctorate, Ş.GÜL(Student), 2016

ERCAN G., On the nilpotent length of a finite group with a Frobenius group of automorphisms, Doctorate,

E.ÖĞÜT(Student), 2013

ERCAN G., On the index of fixed point subgroup, Doctorate, E.MURAT(Student), 2011

ERCAN G., On finite groups admitting a fixed point free Abelian operator groups whose order is a product of three primes, Doctorate, Ö.MUT(Student), 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **On abelian group actions with TNI-centralizers**

Ercan G., Guloglu I. S.

COMMUNICATIONS IN ALGEBRA, vol.47, pp.3003-3006, 2019 (Journal Indexed in SCI)

- **Frobenius groups of automorphisms with almost fixed point free kernel**

Ercan G., Güloğlu İ. Ş.

JOURNAL OF ALGEBRA, vol.521, pp.384-389, 2019 (Journal Indexed in SCI)

- **Groups of automorphisms with TNI-centralizers**

Ercan G., Güloğlu İ. Ş.

JOURNAL OF ALGEBRA, vol.498, pp.38-46, 2018 (Journal Indexed in SCI)

- **On the influence of fixed point free nilpotent automorphism groups**

Ercan G., Güloğlu İ. Ş.

MONATSFESTE FÜR MATHEMATIK, vol.184, pp.531-538, 2017 (Journal Indexed in SCI)

- **Action of a Frobenius-like group with kernel having central derived subgroup**

Ercan G., Güloğlu İ. Ş.

INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION, vol.26, pp.1257-1265, 2016 (Journal Indexed in SCI)

- **THE INFLUENCE OF HUGHES TYPE ACTION**

Ercan G., Güloğlu İ. Ş.

COMMUNICATIONS IN ALGEBRA, vol.43, pp.1898-1902, 2015 (Journal Indexed in SCI)

- **Action of a Frobenius-like group with fixed-point free kernel**

Ercan G., Güloğlu İ. Ş.

JOURNAL OF GROUP THEORY, vol.17, pp.863-873, 2014 (Journal Indexed in SCI)

- **Derived length of a Frobenius-like kernel**

Ercan G., Güloğlu İ. Ş. , Khukhro E.

JOURNAL OF ALGEBRA, vol.412, pp.179-188, 2014 (Journal Indexed in SCI)

- **Rank and Order of a Finite Group Admitting a Frobenius-Like Group of Automorphisms**

Ercan G., Güloğlu İ. Ş. , Khukhro E. I.

ALGEBRA AND LOGIC, vol.53, pp.258-265, 2014 (Journal Indexed in SCI)

- **Action of a Frobenius-like group**

Güloğlu İ. Ş. , Ercan G.

Journal of Algebra, vol.402, pp.533-543, 2014 (Journal Indexed in SCI)

- **NILPOTENT LENGTH OF A FINITE SOLVABLE GROUP WITH A FROBENIUS GROUP OF AUTOMORPHISMS**

ERCAN G., GÜLOĞLU İ. Ş. , Oğut E.

COMMUNICATIONS IN ALGEBRA, vol.42, pp.4751-4756, 2014 (Journal Indexed in SCI)

- **Frobenius-like groups as groups of automorphisms**

Ercan G., Güloğlu İ. Ş. , Khukhro E.

TURKISH JOURNAL OF MATHEMATICS, vol.38, pp.965-976, 2014 (Journal Indexed in SCI)

- **A GENERALIZED FIXED-POINT-FREE ACTION**

Güloğlu İ. Ş. , Ercan G.

JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.12, 2013 (Journal Indexed in SCI)

- **On a Fitting length conjecture without the coprimeness condition**

Ercan G.

MONATSFESTE FÜR MATHEMATIK, vol.167, pp.175-187, 2012 (Journal Indexed in SCI)

- **A generalized fixed point free automorphism of prime power order**

Ercan G., Güloğlu İ. Ş.

International Journal of Algebra and Computation, vol.22, 2012 (Journal Indexed in SCI)

- **FIXED-POINT FREE ACTION OF AN ABELIAN GROUP OF ODD NON-SQUAREFREE EXPONENT**

ERCAN G., GÜLOĞLU İ. Ş. , Sagdicoglu O. M.

PROCEEDINGS OF THE EDINBURGH MATHEMATICAL SOCIETY, vol.54, pp.77-89, 2011 (Journal Indexed in SCI)

- **Fixed point free action on groups of odd order**

Ercan G., GÜLOĞLU İ. Ş.

JOURNAL OF ALGEBRA, vol.320, pp.426-436, 2008 (Journal Indexed in SCI)

- **On finite groups admitting a special noncoprime action**

Ercan G.

PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.133, pp.2543-2547, 2005 (Journal Indexed in SCI)

- **Finite groups admitting fixed-point free automorphisms of order pqr**

Ercan G., Guloglu I.

JOURNAL OF GROUP THEORY, vol.7, pp.437-446, 2004 (Journal Indexed in SCI)

- **On the Fitting length of $H_n(G)$**

Ercan G., Güloğlu İ. Ş.

Rendiconti Del Seminario Matematico Della Universita Di Padova, vol.89, pp.171-175, 1993 (Journal Indexed in SCI Expanded)

- **On the Fitting length of $H_{pq}(G)$**

Güloğlu I. Ş. , ERCAN G.

Archiv der Mathematik, vol.56, pp.214-217, 1991 (Journal Indexed in SCI)

- **ON THE FITTING LENGTH OF GENERALIZED HUGHES SUBGROUP**

ERCAN G., GULOGLU I.

ARCHIV DER MATHEMATIK, vol.55, pp.5-9, 1990 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Finite groups admitting a dihedral group of automorphisms**

Ercan G., Güloğlu İ. Ş.

ALGEBRA & DISCRETE MATHEMATICS, vol.23, pp.223-229, 2017 (Journal Indexed in ESCI)

- **Finite groups having centralizer commutator product property**

ERCAN G.

RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.64, pp.341-346, 2015 (Journal Indexed in ESCI)

- **On a generalization of Hughes problem**

Ercan G., Güloğlu İ. Ş.

Tübitak Doğa Matematik, no.3, pp.107-109, 1989 (Other Refereed National Journals)

- **A note on a paper of Jui Chi Chang: ``A note on the fixed point subgroupDoğa Mat. 10 (1986), no. 3, 326.**

Ercan G., Güloğlu İ. Ş.

Tübitak Doğa Matematik, no.3, pp.326-327, 1986 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **Group actions with TNI-centralizers**

ERCAN G.

Groups St Andrews2017 in Birmingham, Birmingham, United Kingdom, 5 - 13 August 2017

- **Influence of the fixed point subgroup in group actions**

ERCAN G.

Finite groups and their automorphisms 2017, Bolu, Turkey, 3 - 06 May 2017

- **Group actions with TNI-centralizers.**

ERCAN G.

Cemal Koç Algebra Days 2017, İstanbul, Turkey, 29 April 2017

- **Frobenius like groups as groups of automorphisms**

ERCAN G.

FINITE GROUPS AND THEIR AUTOMORPHISMS, İstanbul, Turkey, 7 - 11 August 2015

- **Action of a Frobenius like group**

ERCAN G.

Zassenhaus Group Theory Conference, Binghamton University, New-York, United States Of America, 22 - 24 May 2015

- **Fixed Point Free Action**

ERCAN G.

II. Kadın Matematikçiler Derneği Çalıştay, Sivas, Turkey, 1 - 03 May 2015

Supported Projects

Ercan G., TUBITAK Project, 114F223-Otomorfizma Grubu Olarak Frobenius Benzeri Gruplar, 2014 - 2018

ERCAN G., Project Supported by Higher Education Institutions, Frobenius benzeri grupların yapıları ve etkileri, 2014 - 2015

Ercan G., TUBITAK Project, Operatör Grupları Ve Sabit Nokta Altgrupları, 2010 - 2012

Activities in Scientific Journals

Hacettepe Journal Of Mathematics And Statistics, Committee Member, 2012 - Continues

Scientific Refereeing

JOURNAL OF ALGEBRA, Journal Indexed in SCIE, October 2018

COMMUNICATIONS IN ALGEBRA, SCI Journal, October 2018

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2010

Tasks In Event Organizations

Ercan G., Workshop on finite groups and their automorphisms, Workshop Organization, İstanbul, Turkey, Haziran 2011

Citations

Total Citations (WOS):53

h-index (WOS):4