

Prof. MUSTAFA KORKMAZ

Personal Information

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Education Information

Doctorate, Michigan State University, Matematik Bölümü, United States Of America 1993 - 1996

Under Graduate, İnönü Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Complex of Curves and Mapping Class Groups, Michigan State University, Matematik Bölümü, 1996

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2006 - Continues
Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2001 - 2006

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 1997 - 2001

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 1996 - 1997

Research Assistant, Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1988 - 1989

Professional Experience

Head of Department, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 2011 - 2017

Advising Theses

KORKMAZ M., Generalized chillingworth classes on subsurface torelli groups, Doctorate, H.ÜNLÜ(Student), 2018

KORKMAZ M., Exotic 4-manifolds and hyperelliptic Lefschetz fibrations, Doctorate, T.ALTUNÖZ(Student), 2018

KORKMAZ M., The slope inequality for lefschetz fibrations, Doctorate, A.ÇENGEL(Student), 2017

KORKMAZ M., Finite rigid sets in curve complexes of non-orientable surfaces, Doctorate, S.İLBİRA(Student), 2017

KORKMAZ M., Legendrian knots and open book decompositions, Doctorate, S.ÇELİK(Student), 2009

KORKMAZ M., Open book decompositions of links of quotient surface singularities, Doctorate, E.YILMAZ(Student), 2009
KORKMAZ M., Automorphisms of complexes of curves on odd genus nonorientable surface, Doctorate, F.ATALAN(Student), 2005
KORKMAZ M., Real-analytic diffeomorphisms of the circle and mapping class groups, Post Graduate, İ.SAVAŞ(Student), 2000

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

- **Finite rigid sets in curve complexes of nonorientable surfaces**
İlbira S., KORKMAZ M.
GEOMETRIAE DEDICATA, vol.206, pp.83-103, 2020 (Journal Indexed in SCI)
- **Small Lefschetz fibrations and exotic 4-manifolds**
Baykur R. I. , KORKMAZ M.
MATHEMATISCHE ANNALEN, vol.367, pp.1333-1361, 2017 (Journal Indexed in SCI)
- **Arbitrarily Long Factorizations in Mapping Class Groups**
DALYAN E., KORKMAZ M., PAMUK M.
INTERNATIONAL MATHEMATICS RESEARCH NOTICES, pp.9400-9414, 2015 (Journal Indexed in SCI)
- **Automorphisms of curve complexes on nonorientable surfaces**
Atalan F., KORKMAZ M.
GROUPS GEOMETRY AND DYNAMICS, vol.8, pp.39-68, 2014 (Journal Indexed in SCI)
- **SECTIONS OF SURFACE BUNDLES AND LEFSCHETZ FIBRATIONS**
Baykur R. I. , KORKMAZ M., Monden N.
TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.365, pp.5999-6016, 2013 (Journal Indexed in SCI)
- **ON THE IDEAL TRIANGULATION GRAPH OF A PUNCTURED SURFACE**
KORKMAZ M., Papadopoulos A.
ANNALES DE L INSTITUT FOURIER, vol.62, pp.1367-1382, 2012 (Journal Indexed in SCI)
- **On the arc and curve complex of a surface**
KORKMAZ M., Papadopoulos A.
MATHEMATICAL PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY, vol.148, pp.473-483, 2010 (Journal Indexed in SCI)
- **Number of pseudo-Anosov elements in the mapping class group of a four-holed sphere**
Atalan F., KORKMAZ M.
TURKISH JOURNAL OF MATHEMATICS, vol.34, pp.585-592, 2010 (Journal Indexed in SCI)
- **Lefschetz Fibrations and an Invariant of Finitely Presented Groups**
KORKMAZ M.
INTERNATIONAL MATHEMATICS RESEARCH NOTICES, pp.1547-1572, 2009 (Journal Indexed in SCI)
- **On sections of elliptic fibrations**
KORKMAZ M., Ozbagci B.
MICHIGAN MATHEMATICAL JOURNAL, vol.56, pp.77-87, 2008 (Journal Indexed in SCI)
- **Automorphisms of the Hatcher-Thurston complex**
İrmak E., KORKMAZ M.
ISRAEL JOURNAL OF MATHEMATICS, vol.162, pp.183-196, 2007 (Journal Indexed in SCI)
- **Homomorphisms from mapping class groups**
Harvey W., Korkmaz M.
BULLETIN OF THE LONDON MATHEMATICAL SOCIETY, vol.37, pp.275-284, 2005 (Journal Indexed in SCI)
- **On stable torsion length of a Dehn twist**
Korkmaz M.
MATHEMATICAL RESEARCH LETTERS, vol.12, pp.335-339, 2005 (Journal Indexed in SCI)
- **Generating the surface mapping class group by two elements**
Korkmaz M.
TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.357, pp.3299-3310, 2005 (Journal Indexed in SCI)

- **Stable commutator length of a Dehn twist**

Korkmaz M.

MICHIGAN MATHEMATICAL JOURNAL, vol.52, pp.23-31, 2004 (Journal Indexed in SCI)

- **The second homology groups of mapping class groups of orientable surfaces**

Korkmaz M., Stipsicz A.

MATHEMATICAL PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY, vol.134, pp.479-489, 2003 (Journal Indexed in SCI)

- **Commutators, Lefschetz fibrations and the signatures of surface bundles**

Endo H., Korkmaz M., Kotschick D., Ozbagci B., Stipsicz A.

TOPOLOGY, vol.41, pp.961-977, 2002 (Journal Indexed in SCI)

- **Mapping class groups of nonorientable surfaces**

Korkmaz M.

GEOMETRIAE DEDICATA, vol.89, pp.109-133, 2002 (Journal Indexed in SCI)

- **On endomorphisms of surface mapping class groups**

Korkmaz M.

TOPOLOGY, vol.40, pp.463-467, 2001 (Journal Indexed in SCI)

- **Noncomplex smooth 4-manifolds with Lefschetz fibrations**

Korkmaz M.

INTERNATIONAL MATHEMATICS RESEARCH NOTICES, pp.115-128, 2001 (Journal Indexed in SCI)

- **Minimal number of singular fibers in a Lefschetz fibration**

Korkmaz M., Ozbagci B.

PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.129, pp.1545-1549, 2001 (Journal Indexed in SCI)

- **Surface mapping class groups are ultrahopfian**

Korkmaz M., McCarthy J.

MATHEMATICAL PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY, vol.129, pp.35-53, 2000 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Commutator and stable commutator lengths in groups**

Korkmaz M.

Journées Mathématiques Régionales: Third Romanian-Turkish Mathematics Colloquium, Constanta, Romania, 18 - 22 September 2019, pp.4

- **Yüzeylerin Gönderim Sınıfları Grubunun Üreteçleri**

Korkmaz M.

32. Ulusal Matematik Sempozyumu, Samsun, Turkey, 31 August - 03 September 2019, pp.9

Supported Projects

PAMUK M., KORKMAZ M., PAMUK S., Project Supported by Higher Education Institutions, Yüzey Gruplarının Torelli Grubunun İçine Gömülmesi, 2013 - 2015

Scientific Refereeing

COMMUNICATIONS IN ANALYSIS AND GEOMETRY, SCI Journal, February 2019

BULLETIN OF THE LONDON MATHEMATICAL SOCIETY, SCI Journal, March 2018

Citations

Total Citations (WOS):290

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