Asst. Prof. ELA AYDIN

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1993 - 1997
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1990 - 1993
Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1986 - 1990

Research Areas

Mathematics, Nonassociative Rings and Algebras, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2018 - Continues
Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 1997 - 2018

Courses

Abstract Mathematics II, Undergraduate, 2022 - 2023
Advanced Linear Algebra, Undergraduate, 2022 - 2023
Lineer Cebir II, Undergraduate, 2022 - 2023
Mathematics IV, Undergraduate, 2022 - 2023
Mathematics, Undergraduate, 2022 - 2023
Lineer Cebir I, Undergraduate, 2022 - 2023
Number Theory, Undergraduate, 2022 - 2023
Vector Spaces II, Postgraduate, 2021 - 2022
Abstract Mathematics I, Undergraduate, 2022 - 2023
Linear Algebra, Undergraduate, 2022 - 2023

Advising Theses

AYDIN E., Her Devirli Olmayan Altgrubunun Merkezleyenini İçerdiği Gruplar, Postgraduate, M.Bilgin(Student), 2018

AYDIN E., Evrensel Modüllerin Simetrik Türevleri, Doctorate, H.Merkepçi(Student), 2016
AYDIN E., Serbest Lie cebirlerinin altmerkezi ve polisentral serilerinin terimlerinin kesişimi, Postgraduate, Z.Küçükakçalı(Student), 2012
AYDIN E., Serbest Lie cebirlerinde Bazı Formdaki denklemler ve çözümleri, Postgraduate, Y.Oğuz(Student), 2010
AYDIN E., Primitif Elemanlar ve Bir Bağlantılı cebirlerin izomorfizmleri, Postgraduate, N.Yurtseven(Student), 2008
AYDIN E., Schreier ve Nielsen Sınıfları, Postgraduate, S.Soyer(Student), 2006

Articles Published in Other Journals

I. **On The Group Of Pointwise Inner Automorphisms**
Aydın E.
Journal of Universal Mathemtics, vol.8, no.2, pp.221-226, 2023 (Peer-Reviewed Journal)

II. **Pointwise Inner Automorphisms of Relatively Free Lie Algebras**
Aydın E.
Journal of Universal Mathematics, vol.5, no.2, pp.76-80, 2022 (Peer-Reviewed Journal)

III. **Non-Tame Automorphisms of Free Polynilpotent Lie Algebras**
Aydın E.
Serdica Math. J., vol.47, no.2, pp.107-112, 2021 (Peer-Reviewed Journal)

IV. **Evrensel Modüllerin Simetrik Türevleri**
AYDIN E., Merkepçi H.
Çukurova Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.36, no.7, pp.69-78, 2018 (Peer-Reviewed Journal)

V. **PRojective Dimension of Second Order Symmetric Derivation of Kahler Modules for Hypersurfaces**
AYDIN E., Merkepçi H., Olgun N.
Algebra Letters, vol.2017, pp.1-7, 2017 (Peer-Reviewed Journal)

VI. **Primitive Decomposition of Elements of the Free Metabelian Lie Algebra of Rank Two**
AYDIN E.
Math Serdica, vol.43, pp.369-374, 2017 (Peer-Reviewed Journal)

VII. **A Multi-Dimensional Approach In Mathematics Theacher Education Programs:"Computations In Free And Finitely Generated Lie Algebras" Example**
AYDIN E., Temizyürek A., Topak E., Sönmez O.
GEFAD/GUJGEF, vol.34, pp.89-101, 2014 (Peer-Reviewed Journal)

VIII. **Commutator Subalgebras of Free Product of Lie Algebras**
Aydın E., Ekici N., Subası M.
Soochow Journal of Mathematics, vol.29, no.1, pp.7-14, 2003 (Peer-Reviewed Journal)

IX. **Commutator subalgebras of a free product of Lie algebras**
EKİCİ N., Mine S., AYDIN E.
Soochov J. of Mathematics, vol.29, no.1, pp.7-14, 2003 (Peer-Reviewed Journal)

X. **The Determination of Subalgebras of Codimension One In Finitely Presented Lie Algebras**
Aydın E., Esmerligil Z., Ekici N.
Bull.Cl.Math.Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)

XI. **The Determination of Subalgebras of Codimension one in a Finitely Presented Lie Algebra**
ESMERLİGİL Z. G., Ekici N., Aydın E.
Bull.Cal. Math. Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)

XII. **The determination of subalgebras of codimension one in a finitely presented Lie algebras**
Aydın E., Esmerligil Z. G., Ekici N.
Bull.Calcutta Math.Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)

XIII. **Residually Finite Subalgebras of lie Algebras**
AYDIN E., Ekici N.
Journal of Institute of Math and Computer Sciences (Mathematics Series), vol.10, pp.109-112, 1997 (Peer-Reviewed Journal)

XIV. **Grup Genişlemeleri Problemine Homolojik Cebir Uygulaması**
Aydın E., Dönmez D.
Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.6, no.3, pp.41, 1993 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. **Limit ve Süreklilik- Diferansiyel Denklemler**
DÖNMEZ D., Temizyürek A., Yüksel G., Karakuş Y., Aydın E.
in: Temel Matematik, Akdeniz F., Editor, Nobel Kitabevi, Adana, pp.226-240, 2003

II. **Logaritma-İstatistik**
YÜKSEL G., Akdeniz F., Dönmez D., Temizyürek A., Aydın E., Karakuş Y.
in: TEMEL MATEMATİK, Akdeniz F., Editor, Adana Nobel Kitabevi, Adana, pp.181-414, 2003

Refereed Congress / Symposium Publications in Proceedings

I. **Multiplication Rules for Pointwise Inner Automorphisms in Lie Algebras**
Aydın E.
9 th International IFS and Contemporary Mathematics and Engineering Conference, Mersin, Turkey, 8 - 11 July 2023, pp.39

II. **A New Class of Automorphisms of Lie Algebras**
Aydın E.
8.th International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 16 - 19 June 2022, pp.1

III. **About Certain Homological Propertiesof symmetric derivationsof Kahler Modules**
AYDIN E., Olgun N., Merkepçi H.
3rd International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, Mersin, Turkey, 29 - 30 August 2016, no.1, pp.54-57

IV. **Primitive Decomposition of Elements of a Free Metabelian Lie algebras of Rank Two**
AYDIN E., Ekici N.
IECMSA, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.22

V. **F/V nin Taşınabilir Olmayan Otomorfizmleri**
AYDIN E., Ekici N.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 20 - 23 September 2006, pp.49

VI. **Serbest Nilpotent Lie cebirlerinin noktasal iç otomorfizmleri**
AYDIN E., Temizyürek A.
Yüzüncü yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi Özel Sayı, Van, Turkey, 19 - 22 September 2005, pp.127-134

VII. **Rankı 2- olan Serbest Color Lie Süpercebirlerinin Doğurayları**
AYDIN E., Ekici N.
Palandöken Matematik Günleri, Erzurum, Turkey, 19 - 23 September 2001, pp.20

VIII. **Lie cebirlerinin serbest Lie çarpımları**
AYDIN E., Ekici N., Temizyürek A.
XI. Ulusal Matematik Sempozyumu, Isparta, Turkey, 23 - 26 September 1998, pp.198-204

IX. **Lie p-cebirlerinde Sonlu koboyutlu alt cebirler**
AYDIN E., Ekici N.
X. Ulusal Matematik Sempozyumu, Bolu, Turkey, 24 - 27 September 1997, pp.27

Activities in Scientific Journals

Journal Of Universal Mathematics, Editor, 2023 - Continues

Metrics

Publication: 26
H-Index (WoS): 1