

Assoc. Prof. MURAT KOPARAN

Personal Information

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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2003 - 2008

Postgraduate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Topoloji (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Anadolu University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1989 - 1993

Dissertations

Doctorate, Lineer olmayan kısmi türevli denklemlerden çok ölçekli açılım metodu ile integrallenebilen denklemlerin bulunması, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2008

Postgraduate, Temel grup ve hesaplama yöntemleri, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Topoloji (YI) (Tezli), 2001

Research Areas

Teacher Training For Elementary Sch. Edu. in Mathematics, Mathematics

Academic Titles / Tasks

Anadolu University, EĞİTİM FAKÜLTESİ, MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ, 2020 - Continues

Lecturer, Anadolu University, EĞİTİM FAKÜLTESİ, MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ, 2000 - Continues

Expert, Anadolu University, EĞİTİM FAKÜLTESİ, İlköğretim Bölümü, 1994 - 2000

Courses

LİNEER CEBİR I A grubu, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

LİNEER CEBİR I C grubu, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2010 - 2011

LİNEER CEBİR I B grubu, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

GENEL MATEMATİK, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

OKUL DENEYİMİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014,

2012 - 2013, 2011 - 2012, 2010 - 2011

LİNEER CEBİR II C grubu, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2010 - 2011

LİNEER CEBİR II B grubu, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

LİNEER CEBİR II A grubu, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

DİFFERANSİYEL DENKLEMLER, Undergraduate, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

TEMEL MATEMATİK II, Undergraduate, 2016 - 2017

TEMEL MATEMATİK I, Undergraduate, 2016 - 2017

DİFFERANSİYEL DENKLEMLER, Undergraduate, 2015 - 2016

İntegral Hesabın Uygulamaları, Undergraduate, 2011 - 2012

Lineer Cebir II, Undergraduate, 2011 - 2012

KISMİ DİFERENSİYEL DENKLEMLER, Undergraduate, 2011 - 2012

İntegralin Parametrik ve Kutupsal Fonksiyonlara Uygulaması, Undergraduate, 2011 - 2012

LİNEER CEBİR I, Undergraduate, 2011 - 2012

ANALİZ III, Undergraduate, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Regarding on the exact solutions for the nonlinear fractional differential equations**
Kaplan M., KOPARAN M., Bekir A.
OPEN PHYSICS, vol.14, no.1, pp.478-482, 2016 (SCI-Expanded)
- II. **Derivation of Korteweg-de Vries flow equations from the short-wave model equation**
KOPARAN M.
Mathematical Methods in the Applied Sciences, vol.37, no.18, pp.3008-3012, 2014 (SCI-Expanded)
- III. **Derivation of Korteweg-de Vries flow equations from fourth order nonlinear Schrodinger equation**
Koparan M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.37, no.3, pp.402-407, 2014 (SCI-Expanded)
- IV. **Derivation of Korteweg-de Vries flow equations from the regularized long-wave (RLW) equation**
Ozer M. N., KOPARAN M.
APPLIED MATHEMATICS AND COMPUTATION, vol.218, no.5, pp.2277-2280, 2011 (SCI-Expanded)
- V. **Derivation of Korteweg-de Vries flow equations from modified nonlinear Schrodinger equation**
Ozer M. N., TAŞCAN F., KOPARAN M.
NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, vol.11, no.4, pp.2619-2623, 2010 (SCI-Expanded)
- VI. **Travelling wave solutions of nonlinear evolution equations by using the first integral method**
TAŞCAN F., Bekir A., KOPARAN M.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.14, no.5, pp.1810-1815, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Alternatif Bir Kakuro Oyunu ile Doğal Sayıların Çarpanları Konusunun Öğretimi: Çarpanlar Oyunu**
BAĞDAT O., KOPARAN M., İNCEOĞLU G.
Anadolu Üniversitesi Eğitim Fakültesi Dergisi, vol.7, no.4, pp.1437-1451, 2023 (Peer-Reviewed Journal)
- II. **BEŞİNCİ MERTEBEDEN LİNEER OLMAYAN CAUDREY-DODD-GIBBON DENKLEMİNE ÇOK ÖLÇEKLİ AÇILIM METODU**

KOPARAN M.

Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :B-Teorik Bilimler, vol.7, no.1, pp.59-65, 2019 (Peer-Reviewed Journal)

- III. **Solitary Wave and other Solutions of Nonlinear Space-Time Fractional Differential Equation Systems**
KOPARAN M., GÜNER Ö.
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.2, pp.515-522, 2018 (Peer-Reviewed Journal)
- IV. **A MULTIPLE SCALES METHOD FOR SOLVING NONLINEAR KdV EQUATION**
KOPARAN M., ÇAKIR F.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :B-Teorik Bilimler, vol.6, no.2, pp.140-153, 2018 (Peer-Reviewed Journal)
- V. **Metrik Uzaylara Giriş Dersinde Uzaklık Ve Açık Komşuluk Kavramlarındaki İşlemsel Ve Kavramsal Bilgi Düzeylerinin İncelenmesi**
İNCEOĞLU G., KOPARAN M.
Route Educational and Social Science Journal, vol.4, no.4, pp.43-51, 2017 (Peer-Reviewed Journal)
- VI. **ORTAOKUL MATEMATİK ÖĞRETMEN ADAYLARININ LİNEER CEBİRDERSİNDE İLKE SATIR İŞLEMLERİ KULLANILAN PROBLEMLERDEKİ HATALARI**
KOPARAN M., BAĞDAT O.
Route Educational and Social Science Journal, vol.4, no.2, pp.167-176, 2017 (Peer-Reviewed Journal)
- VII. **Ortaokul Öğretmen Adaylarının Matematiksel Modelleme Problemlerine Yönelik Görüşlerinin İncelenmesi**
YANIK H. B., BAĞDAT O., KOPARAN M.
JOURNAL OF QUALITATIVE RESEARCH IN EDUCATION-EGITIMDE NITEL ARASTIRMALAR DERGISI, vol.5, no.1, 2017 (Peer-Reviewed Journal)
- VIII. **Investigating Prospective Middle-School Teachers' Perspectives of Mathematical Modelling Problems**
YANIK H. B., BAĞDAT O., KOPARAN M.
JOURNAL OF QUALITATIVE RESEARCH IN EDUCATION-EGITIMDE NITEL ARASTIRMALAR DERGISI, vol.5, no.1, pp.80-101, 2017 (ESCI)
- IX. **Korteweg de Vries flow equations from Manakov equation by multiple scale method**
ÖZER M. N., KOPARAN M.
New Trends in Mathematical Sciences, vol.3, no.2, pp.126-132, 2015 (Peer-Reviewed Journal)
- X. **Korteweg de Vries Hierarchy from Benjamin Bona Mahoney Equation by Multiple Scale Method**
KOPARAN M.
International Journal of Nonlinear Science, vol.18, no.2, pp.116-120, 2014 (Peer-Reviewed Journal)
- XI. **Derivation of Korteweg de Vries Flow Equations from derivative Nonlinear Schrödinger Equation**
ÖZER M. N., TAŞCAN GÜNEY F., KOPARAN M.
Journal of Advanced Research in Differential Equations, vol.3, no.2, pp.73-80, 2011 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Multiple Scales Method for a Nonlinear Evolution Equation**
KOPARAN M.
5th International Symposium on Multidisciplinary Studies (ISMS2018), Ankara, Turkey, 16 - 17 November 2018
- II. **Modified Double Sub-Equation Method for Solving Nonlinear Evolution Equations**
ÜNSAL Ö., KOPARAN M.
7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018, pp.219
- III. **Multiple Scales Method for Higher Order KdV Equation**
ÇAKIR F., KOPARAN M., ÜNSAL Ö.
International Conference on Mathematical Advances and Application, İstanbul, Turkey, 11 - 13 May 2018, pp.56
- IV. **Extended Transformed Rational Function Method for Some (31) Dimensional Nonlinear Partial**

Differential Equations

ÜNSAL Ö., BEKİR A., KOPARAN M.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017, pp.160-161

V. **Simplified Hirota Method for a Nonlinear Partial Differential Equation**

ÜNSAL Ö., BEKİR A., KOPARAN M.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017, pp.158-159

VI. **A Novel Generalized Kudryashov Method for Exact Solutions of Nonlinear Evolution Equations**

KOPARAN M., Kaplan M., Bekir A., GÜNER Ö.

11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), La Rochelle, France, 4 - 08 July 2016, vol.1798

VII. **The Significance of Teaching Linear Algebra to Math Teacher Candidates**

KOPARAN M.

Shanghai International Conference on Social Science, Shanghai, China, 14 - 17 August 2012

Supported Projects

KOPARAN M., Project Supported by Higher Education Institutions, Kesir Mertebeli Denklemler İçin Çözüm Yöntemleri ve Uygulamaları, 2017 - 2018

KOPARAN M., Project Supported by Higher Education Institutions, APPLICATIONS OF MULTIPLE SCALES METHOD FOR NONLINEAR DIFFERENTIAL EQUATIONS AND EXACT SOLUTIONS, 2016 - 2018

KOPARAN M., Project Supported by Higher Education Institutions, Oluşum Denklemleri İçin Tam Çözüm Yöntemleri, 2016 - 2017