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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 1996 - 2005

Yüksek Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 1993 - 1996

Lisans, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1989 - 1993

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Fourier serileri ile bu serilerin conjugate serilerinin mutlak genelleştirilmiş nörlund toplanabilirliği, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2005

Yüksek Lisans, Fourier serilerin mutlak nörlund toplanabilirliği, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1996

Araştırma Alanları

Matematik, Diferansiyel denklemler

Akademik Unvanlar / Görevler

Prof. Dr., Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2023 - Devam Ediyor

Doç. Dr., Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2018 - 2023

Dr. Öğr. Üyesi, Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2007 - 2018

Öğretim Görevlisi, Erciyes Üniversitesi, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 2000 - 2007

Araştırma Görevlisi, Erciyes Üniversitesi, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 1996 - 2000

Araştırma Görevlisi, Tokat Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1994 - 1995

Akademik İdari Deneyim

Yozgat Bozok Üniversitesi, 2008 - Devam Ediyor
Bölüm Başkan Yardımcısı, Yozgat Bozok Üniversitesi, 2017 - 2022
Yozgat Bozok Üniversitesi, 2016 - 2017
Yozgat Bozok Üniversitesi, 2008 - 2016

Verdiği Dersler

Analiz IV, Lisans, 2023 - 2024
Olasılık Teorisi, Lisans, 2023 - 2024
Uzmanlık Alan Dersi, Yüksek Lisans, 2023 - 2024
Tez Çalışması, Yüksek Lisans, 2023 - 2024
Olasılık ve İstatistik II, Lisans, 2023 - 2024
Bitirme Tezi II, Lisans, 2023 - 2024
olasılık, Lisans, 2023 - 2024
Biyostatistik, Lisans, 2023 - 2024
Olasılık ve İstatistik I, Lisans, 2023 - 2024
Tez Çalışması I, Yüksek Lisans, 2023 - 2024
Bitirme Tezi I, Lisans, 2023 - 2024
İstatistik Grafik ifade Metotları, Lisans, 2023 - 2024
Analiz III, Lisans, 2023 - 2024
Uzmanlık Alan Dersi I, Yüksek Lisans, 2023 - 2024
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İleri Analiz I, Yüksek Lisans, 2023 - 2024
Kompleks Fonksiyonlar Teorisi II, Lisans, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014
Olasılık ve İstatistik II, Lisans, 2020 - 2021, 2015 - 2016, 2014 - 2015, 2013 - 2014
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MAT 597 TEZ ÇALIŞMASI, Yüksek Lisans, 2019 - 2020
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İSTATİSTİK GRAFİK VE İFADE METOTLARI, Lisans, 2019 - 2020, 2018 - 2019
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ANALİZ I, Lisans, 2019 - 2020
Genel Matematik II, Lisans, 2019 - 2020, 2017 - 2018
Seminer, Yüksek Lisans, 2019 - 2020
Mühendislik Matematiği I, Lisans, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015
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İSTATİSTİK GRAFİK İFADE ETME METOTLARI, Lisans, 2015 - 2016, 2014 - 2015
MÜHENDİSLİK İÇİN OLASILIK TEORİSİ, Lisans, 2014 - 2015, 2013 - 2014
ANALİZ III(2.ÖĞRETİM), Lisans, 2013 - 2014
KOMPLEKS FONKSİYONLAR TEORİSİ I(2.ÖĞRETİM), Lisans, 2013 - 2014
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ANALİZ IV(2.ÖĞRETİM), Lisans, 2013 - 2014

Yönetilen Tezler

Sönmezoğlu A., Resonant nonlinearliğe sahip nonlinear Schrödinger denklemlerinin soliton çözümleri, Yüksek Lisans, A.AKHİLAL(Öğrenci), 2024
Sönmezoğlu A., Bazı İntegrasyon Algoritmaları ile LPD Modeline Optik Solitonlar, Yüksek Lisans, Y.KORKMAZ(Öğrenci), 2024
Sönmezoğlu A., F-AÇILIM METODU VE SCHRÖDİNGER KDV DENKLEMİNİN YENİ TAM ÇÖZÜMLERİ, Yüksek Lisans, M.BELGİN(Öğrenci), 2023
Sönmezoğlu A., Yüksek mertebeden dispersif optik solitonların analitik çalışması, Yüksek Lisans, O.NAZLI(Öğrenci), 2022
Sönmezoğlu A., Cauchy and goursat problems for second-order partial differential equations and the solution of these problems, Yüksek Lisans, M.CEYLAN(Öğrenci), 2022
Sönmezoğlu A., Üstel açılım metoduyla pertürbe edilmiş lineer olmayan schrödinger denkleminin tam çözümlerinin araştırılması, Yüksek Lisans, A.KARAOĞLAN(Öğrenci), 2022
Sönmezoğlu A., (g'/g) -açılım yöntemleri ile $(2+1)$ boyutlu kırılma soliton denklemlerinin soliton ve diğer çözümleri, Yüksek Lisans, A.PAKSOY(Öğrenci), 2021
SÖNMEZOĞLU A., Katlı Fourier Serilerinin Nörlund Toplanabilmesi, Yüksek Lisans, M.UÇAR(Öğrenci), 2020
SÖNMEZOĞLU A., On the absolute Euler summability of Fourier series, Yüksek Lisans, B.ELTURAN(Öğrenci), 2018
SÖNMEZOĞLU A., Olasılık ve Fourier serilerinin (C,r) toplanabilmesi, Yüksek Lisans, S.KARAKOÇ(Öğrenci), 2018
SÖNMEZOĞLU A., Esnek matrisler kullanılarak elde edilen bazı karar verme metotları ve uygulamaları, Doktora, H.KAMACI(Öğrenci), 2018
SÖNMEZOĞLU A., Ortogonal Serilerin Mutlak Genelleştirilmiş Hausdorff Toplanabilmesi Üzerine, Yüksek Lisans, İ.AKGÜN(Öğrenci), 2018
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SÖNMEZOĞLU A., Jacobi eliptik fonksiyon metodu ile lineer olmayan bazı lineer olmayan dalga denklemlerinin çözümü, Yüksek Lisans, M.FATİH(Öğrenci), 2016
SÖNMEZOĞLU A., Fourier serilerinin mutlak Hausdorff toplanabilmesi üzerine, Yüksek Lisans, H.ÖZARSLAN(Öğrenci),

2016

SÖNMEZOĞLU A., Genelleştirilmiş Quasi-Nörlund toplanabilme üzerine, Yüksek Lisans, K.BAŞAR(Öğrenci), 2015

SÖNMEZOĞLU A., Hausdorff toplanabilme metodu, Yüksek Lisans, H.ÖZTÜRK(Öğrenci), 2013

SÖNMEZOĞLU A., Nörlund toplanabilme metodu, Yüksek Lisans, T.COŞKUN(Öğrenci), 2012

SÖNMEZOĞLU A., Genelleştirilmiş nörlund toplanabilme metodu, Yüksek Lisans, E.SERİN(Öğrenci), 2012

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Sequel to "stationary optical solitons with Kudryashov's laws of refractive index" (generalized temporal evolution)**
Biswas A., SÖNMEZOĞLU A., EKİCİ M.
Journal of Nonlinear Optical Physics and Materials, cilt.32, sa.1, 2023 (SCI-Expanded)
- II. **Optical solitons for Kudryashov's model: undetermined coefficients with Jacobi's elliptic functions**
SÖNMEZOĞLU A., EKİCİ M., Biswas A.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, cilt.16, sa.5-6, ss.243-247, 2022 (SCI-Expanded)
- III. **Stationary optical solitons having Kudryashov's quintuple power law nonlinearity by extended G'/G-expansion**
SÖNMEZOĞLU A.
OPTİK, cilt.253, 2022 (SCI-Expanded)
- IV. **Stationary optical solitons with Kudryashov's quintuple power-law of refractive index having nonlinear chromatic dispersion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A.
PHYSICS LETTERS A, cilt.426, 2022 (SCI-Expanded)
- V. **Cubic-Quartic Optical Solitons and Conservation Laws with Kudryashov's Law of Refractive Index by Extended Trial Function**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Kara A. H., Alzahrani A. K., Belic M. R.
Computational Mathematics and Mathematical Physics, cilt.61, sa.12, ss.1995-2003, 2021 (SCI-Expanded)
- VI. **Stationary optical solitons with Kudryashov's laws of refractive index**
EKİCİ M., SÖNMEZOĞLU A., Biswas A.
CHAOS SOLITONS & FRACTALS, cilt.151, 2021 (SCI-Expanded)
- VII. **Stationary optical solitons with cubic-quartic law of refractive index and nonlinear chromatic dispersion**
SÖNMEZOĞLU A., EKİCİ M., Biswas A.
PHYSICS LETTERS A, cilt.410, 2021 (SCI-Expanded)
- VIII. **Cubic-Quartic Optical Solitons with Differential Group Delay for Kudryashov's Model by Extended Trial Function**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alzahrani A. K., Belic M. R.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, cilt.65, sa.12, ss.1384-1398, 2020 (SCI-Expanded)
- IX. **Optical solitons in birefringent fibers with four-wave mixing by extended trial equation method**
Biswas A., Ekici M., Sonmezoglu A., Zhou Q., Moshokoa S. P., Belic M.
Scientia Iranica, cilt.27, sa.6 D, ss.3035-3052, 2020 (SCI-Expanded)
- X. **Optical solitons with Kudryashov's equation by extended trial function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S., Belic M. R.
OPTİK, cilt.202, 2020 (SCI-Expanded)
- XI. **Optical solitons with Kudryashov's equation by F-expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S., Belic M. R.
OPTİK, cilt.199, 2019 (SCI-Expanded)
- XII. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic-nonlocal combo**

nonlinearity by extended trial function

Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S., Belic M. R.
OPTIK, cilt.195, 2019 (SCI-Expanded)

- XIII. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for cubic-quintic-septic nonlinearity by extended trial function**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S., Belic M. R.
OPTIK, cilt.194, 2019 (SCI-Expanded)
- XIV. **Highly dispersive singular optical solitons with Kerr law nonlinearity by Jacobi's elliptic ds function expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S., Belic M. R.
OPTIK, cilt.192, 2019 (SCI-Expanded)
- XV. **Highly dispersive singular optical solitons having Kerr law nonlinearity by Jacobi's elliptic cs function expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S.
OPTIK, cilt.192, 2019 (SCI-Expanded)
- XVI. **Highly dispersive optical solitons in absence of self-phase modulation by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
OPTIK, cilt.187, ss.258-271, 2019 (SCI-Expanded)
- XVII. **Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.182, ss.88-94, 2019 (SCI-Expanded)
- XVIII. **Highly dispersive optical solitons with quadratic-cubic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.182, ss.930-943, 2019 (SCI-Expanded)
- XIX. **Highly dispersive optical solitons with cubic-quintic-septic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.182, ss.897-906, 2019 (SCI-Expanded)
- XX. **Optical solitons in (2+1)-Dimensions with Kundu-Mukherjee-Naskar equation by extended trial function scheme**
EKİCİ M., SÖNMEZOĞLU A., Biswas A., Belic M. R.
CHINESE JOURNAL OF PHYSICS, cilt.57, ss.72-77, 2019 (SCI-Expanded)
- XXI. **Optical solitons in birefringent fibers with four-wave mixing for quadratic-cubic nonlinearity by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alfiras M.
OPTIK, cilt.178, ss.178-189, 2019 (SCI-Expanded)
- XXII. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
OPTIK, cilt.178, ss.117-121, 2019 (SCI-Expanded)
- XXIII. **Soliton solutions and conservation laws of a (3+1)-dimensional nonlinear evolution equation**
Ekici M., Sonmezoglu A., Adem A. R., Zhou Q., Luan Z., Liu S., Mirzazadeh M., Liu W.
Acta Physica Polonica A, cilt.135, sa.3, ss.539-545, 2019 (SCI-Expanded)
- XXIV. **Highly dispersive optical solitons in absence of self-phase modulation by Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.189, ss.109-120, 2019 (SCI-Expanded)
- XXV. **Highly dispersive optical solitons with non-local nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.184, ss.277-286, 2019 (SCI-Expanded)
- XXVI. **Highly dispersive optical solitons in absence of self-phase modulation by exp-function**

- Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.436-442, 2019 (SCI-Expanded)
- XXVII. **Highly dispersive optical solitons with cubic-quintic-septic law by extended Jacobi's elliptic function expansion**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.183, ss.571-578, 2019 (SCI-Expanded)
- XXVIII. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with extended trial function**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.185, ss.456-463, 2019 (SCI-Expanded)
- XXIX. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended trial function scheme**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M.
OPTIK, cilt.176, ss.542-548, 2019 (SCI-Expanded)
- XXX. **Highly dispersive optical solitons with Kerr law nonlinearity by F-expansion**
Biswas A, Ekicid M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.181, ss.1028-1038, 2019 (SCI-Expanded)
- XXXI. **Highly dispersive optical solitons with cubic-quintic-septic law by It Check for exp-expansion**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.321-325, 2019 (SCI-Expanded)
- XXXII. **Highly dispersive optical solitons with kerr law nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.183, ss.395-400, 2019 (SCI-Expanded)
- XXXIII. **Exact chirped singular soliton solutions of Triki-Biswas equation**
Zhou Q, EKÍCÍ M., SÖNMEZOĞLU A.
OPTIK, cilt.181, ss.338-342, 2019 (SCI-Expanded)
- XXXIV. **Highly dispersive optical solitons with quadratic-cubic law by exp-function**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.431-435, 2019 (SCI-Expanded)
- XXXV. **Optical solitons with Biswas-Arshed equation by extended trial function method**
EKÍCÍ M., SÖNMEZOĞLU A.
OPTIK, cilt.177, ss.13-20, 2019 (SCI-Expanded)
- XXXVI. **Optical solitons and conservation law in birefringent fibers with Kundu-Eckhaus equation by extended trial function method**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Kara A. H.
OPTIK, cilt.179, ss.471-478, 2019 (SCI-Expanded)
- XXXVII. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity by extended trial function method**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.183, ss.595-601, 2019 (SCI-Expanded)
- XXXVIII. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended G'/G -expansion scheme**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M.
OPTIK, cilt.178, ss.59-65, 2019 (SCI-Expanded)
- XXXIX. **Optical solitons in birefringent fibers haying anti-cubic nonlinearity with exp-function**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.363-368, 2019 (SCI-Expanded)
- XL. **Chirped and chirp-free optical solitons with generalized anti-cubic nonlinearity by extended trial function scheme**
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M.
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- XLII. Highly dispersive optical solitons with non-local nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.288-292, 2019 (SCI-Expanded)
- XLIII. Optical solitons in fiber Bragg gratings with dispersive reflectivity for quadratic cubic nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.185, ss.50-56, 2019 (SCI-Expanded)
- XLIV. Highly dispersive optical solitons with Kerr law nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.185, ss.121-125, 2019 (SCI-Expanded)
- XLV. Highly dispersive optical solitons with non-local nonlinearity by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.183, ss.1140-1150, 2019 (SCI-Expanded)
- XLVI. Optical soliton perturbation with full nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Arshed S., Belic M.
OPTICAL AND QUANTUM ELECTRONICS, cilt.50, sa.12, 2018 (SCI-Expanded)
- XLVII. Solitons in optical metamaterials with anti-cubic nonlinearity**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Alshomrani A. S., Moshokoa S. P., Belic M.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.133, sa.5, 2018 (SCI-Expanded)
- XLVIII. Analysis of optical solitons in nonlinear negative-indexed materials with anti-cubic nonlinearity**
EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Moshokoa S. P., Ullah M. Z., Arnous A. H., Biswas A., Belic M.
OPTICAL AND QUANTUM ELECTRONICS, cilt.50, sa.2, 2018 (SCI-Expanded)
- XLIX. Chirped optical solitons of Chen-Lee-Liu equation by extended trial equation scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, cilt.156, ss.999-1006, 2018 (SCI-Expanded)
- L. Optical soliton perturbation for Gerdjikov-Ivanov equation by extended trial equation method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Majid F. B., Triki H., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, cilt.158, ss.747-752, 2018 (SCI-Expanded)
- LI. Optical soliton perturbation with fractional temporal evolution by extended G'/G -expansion method**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Mirzazadeh M., Zhou Q., Alshomrani A. S., Moshokoa S. P., Belic M.
OPTIK, cilt.161, ss.301-320, 2018 (SCI-Expanded)
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