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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, University of Wales-Bangor University, Birleşik Krallık 1990 - 1994

Yüksek Lisans, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 1985 - 1987

Lisans, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 1981 - 1985

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Studies of B-spline functions, University of Wales-Bangor University, 1994

Yüksek Lisans, Diferensiyel denklemlerin sayısal çözümünde spline fonksiyon uygulamaları, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1987

Araştırma Alanları

Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, 2016 - Devam Ediyor

Akademik İdari Deneyim

Eskişehir Osmangazi Üniversitesi, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Bilgisayar Mühendisliği Bölümü, 2016 - Devam Ediyor

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2014 - 2016

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, 2006 - 2010

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1998 - 2006

Verdiği Dersler

Lineer Cebir, Lisans, 2020 - 2021

Algoritma Analizi ve Tasarımı, Yüksek Lisans, 2020 - 2021

Yönetilen Tezler

DAĞ İ., Meta-sezgisel yöntemler ile müzik verisi üzerinde özellik seçimi ve kategorizasyon, Yüksek Lisans, A.HÜSEYİN(Öğrenci), 2020

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A tree seed algorithm with multi-strategy for parameter estimation of solar photovoltaic models**
Beskirli A., DAĞ İ., Kiran M. S.
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- II. **A new computer-aided diagnostic method for classifying anaemia disease: Hybrid use of Tree Bagger and metaheuristics**
Yagmur N., DAĞ İ., TEMURTAŞ H.
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- IV. **High Order Predictor-Corrector Cubic B-Spline Collocation Method for Modeling Solitary Waves**
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BIOMIMETICS, cilt.8, sa.8, 2023 (SCI-Expanded)
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- VII. **Parameter extraction for photovoltaic models with tree seed algorithm**
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- VIII. **Pattern formation of Schnakenberg model using trigonometric quadratic B-spline functions**
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- IX. **A higher-order efficient approach to numerical simulations of the RLW equation**
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- X. **The cubic B-spline least-squares finite-element method for the numerical solutions of regularized long-wave equation**
Hepson Ö., Dağ İ., Saka B., Ay B.
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- XI. **Solitary waves of the RLW equation via least squares method**
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Beşkirli A., DAĞ İ.
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- XIII. **Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of RLW equation**
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- XIV. **Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of Fisher equation**
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- XV. **Exponential B-spline collocation solutions to the Gardner equation**
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- XVI. **Wave simulations of Gray-Scott reaction-diffusion system**
TOK ONARCAN A., ADAR N., DAĞ İ.
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- XVII. **Exponential B-splines Galerkin Method for the Numerical Solution of the Fisher's Equation**
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- XVIII. **Trigonometric cubic B-spline collocation algorithm for numerical solutions of reaction-diffusion equation systems**
TOK ONARCAN A., ADAR N., DAĞ İ.
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- XIX. **Exponential Twice Continuously Differentiable B-Spline Algorithm for Burgers' Equation**

- ERSOY HEPSON Ö., Dag İ., ADAR N.
UKRAINIAN MATHEMATICAL JOURNAL, cilt.70, sa.6, ss.906-921, 2018 (SCI-Expanded)
- XX. **Numerical solutions of the Gardner equation by extended form of the cubic B-splines**
ERSOY HEPSON Ö., KORKMAZ A., Dag İ.
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- XXI. **Simulations of solitary waves of RLW equation by exponential B-spline Galerkin method**
ZORŞAHİN GÖRGÜLÜ M., Dag İ., IRK D.
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- XXII. **Motion of Patterns Modeled by the Gray-Scott Autocatalysis System in One Dimension**
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MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY, cilt.77, sa.2, ss.507-526, 2017 (SCI-Expanded)
- XXIII. **Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves**
ERSOY HEPSON Ö., KORKMAZ A., DAĞ İ.
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- XXIV. **The exponential cubic B-spline algorithm for Fisher equation**
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- XXV. **Quartic and quintic B-spline methods for advection-diffusion equation**
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- XXVI. **The Exponential Cubic B-Spline Collocation Method for the Kuramoto-Sivashinsky Equation**
ERSOY HEPSON Ö., DAĞ İ.
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- XXVII. **TRIGONOMETRIC B-SPLINE COLLOCATION ALGORITHM FOR SOLVING THE RLW EQUATION**
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- XXVIII. **Extended cubic B-spline solution of the advection-diffusion equation**
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- XXIX. **Numerical solutions of the reaction diffusion system by using exponential cubic B-spline collocation algorithms**
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- XXX. **Trigonometric quadratic B-spline subdomain Galerkin algorithm for the Burgers' equation**
Ay B., Dag İ., ZORŞAHİN GÖRGÜLÜ M.
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- XXXII. **The extended cubic B-spline algorithm for a modified regularized long wave equation**
Dag İ., Irk D., Sari M.
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- XXXIII. **Cubic B-spline differential quadrature methods and stability for Burgers' equation**
KORKMAZ A., Dag İ.
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- XXXIV. **Taylor collocation method for the numerical solution of the nonlinear Schrodinger equation using quintic B-spline basis**
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- XXXV. **Numerical solutions of the Kawahara type equations using radial basis functions**
DERELİ Y., Dag İ.
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- XXXVI. **Cubic B-spline differential quadrature methods for the advection-diffusion equation**
KORKMAZ A., Dag İ.
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- XXXVII. **Polynomial based differential quadrature method for numerical solution of nonlinear Burgers' equation**
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- XXXVIII. **Taylor-Galerkin and Taylor-collocation methods for the numerical solutions of Burgers' equation using B-splines**
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- XXXIX. **B-Spline Collocation Algorithms for Numerical Solution of the RLW Equation**
SAKA B., Sahin A., Dag İ.
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- XL. **Quintic B-spline collocation method for the generalized nonlinear Schrodinger equation**
IRK D., Dag İ.
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- XLI. **Shock wave simulations using Sinc Differential Quadrature Method**
KORKMAZ A., Dag İ.
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- XLII. **Taylor-Galerkin method for advection-diffusion equation**
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- XLIII. **Numerical Investigation of the Solution of Fisher's Equation via the B-Spline Galerkin Method**
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- XLIV. **Numerical Simulations of the Improved Boussinesq Equation**
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- XLV. **A Taylor-Galerkin finite element method for the KdV equation using cubic B-splines**
Canivar A., SARI M., Dag İ.
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- XLVI. **Cosine Expansion-Based Differential Quadrature Algorithm for Numerical Solution of the RLW Equation**
Dag İ., Korkmaz A., SAKA B.
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- XLVII. **Numerical solution of RLW equation using radial basis functions**
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- XLVIII. **A Compact Finite Difference Method for the Solution of the Generalized Burgers-Fisher Equation**
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- XLIX. Crank-Nicolson - Differential quadrature algorithms for the Kawahara equation**
Korkmaz A., Dag İ.
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- L. Soliton solutions for NLS equation using radial basis functions**
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- LI. Quartic B-spline Galerkin approach to the numerical solution of the KdVB equation**
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- LII. Solitary wave simulations of Complex Modified Korteweg-de Vries Equation using differential quadrature method**
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- LIII. A differential quadrature algorithm for nonlinear Schrodinger equation**
Korkmaz A., Dag İ.
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- LIV. A differential quadrature algorithm for simulations of nonlinear Schrodinger equation**
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- LV. A numerical solution of the RLW equation by Galerkin method using quartic B-splines**
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- LVI. A numerical study of the Burgers' equation**
Saka B., Dag İ.
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- LVII. Three different methods for numerical solution of the EW equation**
Saka B., Dag İ., DERELİ Y., Korkmaz A.
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- LVIII. Solitary wave solutions of the CMKdV equation by using the quintic B-spline collocation method**
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- LX. A B-spline algorithm for the numerical solution of Fisher's equation**
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- LXI. Quintic B-spline collocation method for numerical solution of the RLW equation**
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- LXIII. Quartic B-spline collocation method to the numerical solutions of the Burgers' equation**
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- LXIV. Numerical solution of the Burgers' equation over geometrically graded mesh**
Dag İ., Sahin A.
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- LXV. Galerkin method for the numerical solution of the RLW equation using quintic B-splines**

- Dag İ., Saka B., Irk D.
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- LXVI. **Least-squares finite element method for the advection-diffusion equation**
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- LXVII. **A small time solutions for the Korteweg-de Vries equation using spline approximation**
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- LXVIII. **B-spline Galerkin methods for numerical solutions of the Burgers' equation**
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- LXXVII. **Least-squares quadratic B-spline finite element method for the regularised long wave equation**
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Diğer Dergilerde Yayınlanan Makaleler

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