Prof. Dr. İDİRİS DAĞ

Kişisel Bilgiler

E-posta: idag@ogu.edu.tr
Web: https://avesis.ogu.edu.tr/idag

Uluslararası Araştırmacı ID'leri
ORCID: 0000-0002-2056-4968
Yoksis Araştırmacı ID: 4365

Eğitim Bilgileri

Doktora, University of Wales-Bangor University, Birleşik Krallık 1990 - 1994
Yüksek Lisans, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Yl) (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 (Yl) (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
DAĞ İ., Reaksiyon-Difüzyon Denklem Sistemlerinin Çözümleri için Trigonometrik B-Spline Kolokasyon Algoritmaları, Doktora, A.TOK(Öğrenci), 2019
DAĞ İ., BAZI DİFERENSİYEL DENKLEMLERİN EN KÜÇÜK KARELER DİFERENSİYEL QUADRATURE YÖNTEMİ İLE ÇÖZÜMLERİ, Doktora, B.AY(Öğrenci), 2018
DAĞ İ., Zamana bağlı kısmi diferensiyel denklemlerin üstel B-spline Galerkin sonlu elemanlar yöntemiyle sayısal çözümleri, Doktora, M.ZORŞAHİN(Öğrenci), 2016
DAĞ İ., Trigonometrik B-spline subdomain Galerkin yöntemi ile zamana bağlı bir boyutlu lineer olmayan kısmi türevli diferensiyel denklemlerin yaklaşık çözümleri, Yüksek Lisans, B.AY(Öğrenci), 2015
DAĞ İ., Bazı kısmi diferensiyel denklem sistemlerinin üstel kübik B-spline kolokeyşın çözümlerinin üretilmesi, Doktora, Ö.ERSOY(Öğrenci), 2015
DAĞ İ., Lineer olmayan kısmi türevli diferensiyel denklemlerin Taylor-kollokasyon ve Taylor-galerkin yöntemleri ile sayısal çözümleri, Doktora, A.CANIVAR(Öğrenci), 2011
DAĞ İ., Bazı tek boyutlu kısmi türevli diferensiyel denklemlerin b-spline diferensiyel quadrature metotları ile sayısal çözümleri, Doktora, A.KORKMAZ(Öğrenci), 2010
DAĞ İ., Reaksiyon-difüzyon denklem sistemlerinin B-spline sonlu elemanlar yöntemi ile nümerik çözümleri, Doktora, A.ŞAHİN(Öğrenci), 2009
DAĞ İ., Klein-gordon denkleminin b-spline kolokeyşin metodları ile çözümü, Doktora, A.BOZ(Öğrenci), 2006
DAĞ İ., Bazı tek boyutlu lineer olmayan kısmi türevli diferensiyel denklemlerin diferensiyel kuadratur metodu ile sayısal çözümleri, Yüksek Lisans, A.KORKMAZ(Öğrenci), 2006
DAĞ İ., Burger denkleminin B-spline fonksiyonlar yardımıyla nümerik çözümleri, Yüksek Lisans, A.ŞAHİN(Öğrenci), 2004
DAĞ İ., Kübik spline fonksiyonlar yardımıyla lineer olmayan kısmi türevli diferensiyel denklemlerin sayısal çözümleri, Yüksek Lisans, A.CANIVAR(Öğrenci), 2003
DAĞ İ., Kübik spline fonksiyonlar yardımıyla bazı kısmi türevli diferensiyel denklemlerin sayısal çözümleri, Yüksek Lisans, D.IRK(Öğrenci), 2002
DAĞ İ., Schrödinger denkleminin B-spline sonlu elemanlar metoduyla çözümleri, Yüksek Lisans, T.ALPU(Öğrenci), 1999

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.
APPLIED SOFT COMPUTING, cilt.167, 2024 (SCI-Expanded)
II. **Phycoremediation potential with ultrastructural and biochemical response of Kirchneriella lunaris to metribuzin**
Ozturk B. Y., Daglioglu Y., Un U. T., DAĞ İ.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2024 (SCI-Expanded)
III. **A new computer-aided diagnostic method for classifying anaemia disease: Hybrid use of Tree Bagger and metaheuristics**
Yagmur N., DAĞ İ., TEMURTAŞ H.
EXPERT SYSTEMS, cilt.41, sa.8, 2024 (SCI-Expanded)
IV. **Classification of anemia using Harris hawks optimization method and multivariate adaptive regression spline**
Yagmur N., DAĞ İ., Temurtas H.

Neural Computing and Applications, cilt.36, sa.11, ss.5653-5672, 2024 (SCI-Expanded)

V. **High Order Predictor–Corrector Cubic B-Spline Collocation Method for Modeling Solitary Waves**
SAKA B., ERSOY HEPSON Ö., DAĞ İ.
Proceedings of the National Academy of Sciences India Section A - Physical Sciences, cilt.94, sa.1, ss.83-98, 2024 (SCI-Expanded)

VI. **Modeling of solitary waves via higher-order predictor-corrector scheme**
SAKA B., ERSOY HEPSON Ö., DAĞ İ.
Journal of Taibah University for Science, cilt.18, sa.1, 2024 (SCI-Expanded)

VII. **I-CPA: An Improved Carnivorous Plant Algorithm for Solar Photovoltaic Parameter Identification Problem**
Beskirli A., DAĞ İ.
BIOMIMETICS, cilt.8, sa.8, 2023 (SCI-Expanded)

VIII. **Integration of the RLW equation using higher-order predictor–corrector scheme and quintic B-spline collocation method**
SAKA B., DAĞ İ., ERSOY HEPSON Ö.
Mathematical Sciences, cilt.17, sa.4, ss.491-502, 2023 (SCI-Expanded)

IX. **Parameter extraction for photovoltaic models with tree seed algorithm**
Beşkirli A., DAĞ İ.
Energy Reports, cilt.9, ss.174-185, 2023 (SCI-Expanded)

X. **Pattern formation of Schnakenberg model using trigonometric quadratic B-spline functions**
TOK ONARCAN A., ADAR N., DAĞ İ.
Pramana - Journal of Physics, cilt.96, sa.3, 2022 (SCI-Expanded)

XI. **A higher-order efficient approach to numerical simulations of the RLW equation**
DAĞ İ., ERSOY HEPSON Ö., SAKA B.
Pramana - Journal of Physics, cilt.96, sa.1, 2022 (SCI-Expanded)

XII. **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.
International Journal of Computer Mathematics, cilt.99, sa.5, ss.993-1004, 2022 (SCI-Expanded)

XIII. **Solitary waves of the RLW equation via least squares method**
Ersoy Hepson Ö., Dağ İ., Saka B., Ay B.
International Journal Of Nonlinear Sciences And Numerical Simulation, cilt.0, 2021 (SCI-Expanded)

XIV. **An efficient tree seed inspired algorithm for parameter estimation of Photovoltaic models**
Beşkirli A., DAĞ İ.
Energy Reports, cilt.8, ss.291-298, 2021 (SCI-Expanded)

XV. **Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of RLW equation**
Dağ İ., Ersoy Hepson Ö.
FOURTH INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2020), cilt.2334, 2021 (SCI-Expanded)

XVI. **Hyperbolic-trigonometric tension B-spline Galerkin approach for the solution of Fisher equation**
Dağ İ., Ersoy Hepson Ö.
FOURTH INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2020), cilt.2334, ss.1-6, 2021 (SCI-Expanded)

XVII. **Exponential B-spline collocation solutions to the Gardner equation**
ERSOY HEPSON Ö., KORKMAZ A., Dag İ.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.97, sa.4, ss.837-850, 2020 (SCI-Expanded)

XVIII. **Wave simulations of Gray-Scott reaction-diffusion system**
TOK ONARCAN A., ADAR N., DAĞ İ.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.42, sa.16, ss.5566-5581, 2019 (SCI-Expanded)

XIX. **Exponential B-splines Galerkin Method for the Numerical Solution of the Fisher's Equation**
ZORŞAHİN GÖRGÜLÜ M., Dag İ.

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.42, ss.2189-2198, 2018 (SCI-Expanded)

XX. **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)

XXI. **Trigonometric cubic B-spline collocation algorithm for numerical solutions of reaction-diffusion equation systems**
TOK ONARCAN A., ADAR N., DAĞ İ.
COMPUTATIONAL & APPLIED MATHEMATICS, cilt.37, sa.5, ss.6848-6869, 2018 (SCI-Expanded)

XXII. **Numerical solutions of the Gardner equation by extended form of the cubic B-splines**
ERSOY HEPSON Ö., KORKMAZ A., Dag İ.
PRAMANA-JOURNAL OF PHYSICS, cilt.91, sa.4, 2018 (SCI-Expanded)

XXIII. **Simulations of solitary waves of RLW equation by exponential B-spline Galerkin method**
ZORŞAHİN GÖRGÜLÜ M., Dag İ., IRK D.
CHINESE PHYSICS B, cilt.26, sa.8, 2017 (SCI-Expanded)

XXIV. **Motion of Patterns Modeled by the Gray-Scott Autocatalysis System in One Dimension**
KORKMAZ A., ERSOY HEPSON Ö., DAĞ İ.
MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY, cilt.77, sa.2, ss.507-526, 2017 (SCI-Expanded)

XXV. **Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves**
ERSOY HEPSON Ö., KORKMAZ A., DAĞ İ.
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.13, sa.6, ss.4975-4994, 2016 (SCI-Expanded)

XXVI. **The exponential cubic B-spline algorithm for Fisher equation**
DAĞ İ., ERSOY HEPSON Ö.
CHAOS SOLITONS & FRACTALS, cilt.86, ss.101-106, 2016 (SCI-Expanded)

XXVII. **Quartic and quintic B-spline methods for advection-diffusion equation**
KORKMAZ A., Dag İ.
APPLIED MATHEMATICS AND COMPUTATION, cilt.274, ss.208-219, 2016 (SCI-Expanded)

XXVIII. **The Exponential Cubic B-Spline Collocation Method for the Kuramoto-Sivashinsky Equation**
ERSOY HEPSON Ö., DAĞ İ.
FILOMAT, cilt.30, sa.3, ss.853-861, 2016 (SCI-Expanded)

XXIX. **TRIGONOMETRIC B-SPLINE COLLOCATION ALGORITHM FOR SOLVING THE RLW EQUATION**
Dag İ., IRK D., Kacmaz O., Adar N.
APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.15, sa.1, ss.96-105, 2016 (SCI-Expanded)

XXX. **Extended cubic B-spline solution of the advection-diffusion equation**
IRK D., Dag İ., TOMBUL M.
KSCE JOURNAL OF CIVIL ENGINEERING, cilt.19, sa.4, ss.929-934, 2015 (SCI-Expanded)

XXXI. **Trigonometric quadratic B-spline subdomain Galerkin algorithm for the Burgers' equation**
Ay B., Dag İ., ZORŞAHİN GÖRGÜLÜ M.
OPEN PHYSICS, cilt.13, sa.1, ss.400-406, 2015 (SCI-Expanded)

XXXII. **Numerical solutions of the reaction diffusion system by using exponential cubic B-spline collocation algorithms**
ERSOY HEPSON Ö., Dag İ.
OPEN PHYSICS, cilt.13, sa.1, ss.414-427, 2015 (SCI-Expanded)

XXXIII. **Numerical Simulations of Boundary-Forced RLW Equation with Cubic B-Spline-based Differential Quadrature Methods**
KORKMAZ A., Dag İ.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.38, sa.5, ss.1151-1160, 2013 (SCI-Expanded)

XXXIV. **The extended cubic B-spline algorithm for a modified regularized long wave equation**
Dag İ., Irk D., Sari M.
CHINESE PHYSICS B, cilt.22, sa.4, 2013 (SCI-Expanded)

XXXV. **Cubic B-spline differential quadrature methods and stability for Burgers' equation**
KORKMAZ A., Dag İ.
ENGINEERING COMPUTATIONS, cilt.30, sa.3, ss.320-344, 2013 (SCI-Expanded)

XXXVI. **Numerical solutions of the Kawahara type equations using radial basis functions**
DERELİ Y., Dag İ.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.28, sa.2, ss.542-553, 2012 (SCI-Expanded)

XXXVII. **Taylor collocation method for the numerical solution of the nonlinear Schrodinger equation using quintic B-spline basis**
Aksoy A. M., Irk D., Dag İ.
PHYSICS OF WAVE PHENOMENA, cilt.20, sa.1, ss.67-79, 2012 (SCI-Expanded)

XXXVIII. **Cubic B-spline differential quadrature methods for the advection-diffusion equation**
KORKMAZ A., Dag İ.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.22, sa.8, ss.1021-1036, 2012 (SCI-Expanded)

XXXIX. **Polynomial based differential quadrature method for numerical solution of nonlinear Burgers' equation**
KORKMAZ A., Dag İ.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.348, sa.10, ss.2863-2875, 2011 (SCI-Expanded)

XL. **Taylor-Galerkin and Taylor-collocation methods for the numerical solutions of Burgers' equation using B-splines**
Dag İ., Canivar A., Sahin A.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, cilt.16, sa.7, ss.2696-2708, 2011 (SCI-Expanded)

XLI. **B-Spline Collocation Algorithms for Numerical Solution of the RLW Equation**
SAKA B., Sahin A., Dag İ.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.27, sa.3, ss.581-607, 2011 (SCI-Expanded)

XLII. **Quintic B-spline collocation method for the generalized nonlinear Schrodinger equation**
IRK D., Dag İ.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.348, sa.2, ss.378-392, 2011 (SCI-Expanded)

XLIII. **Shock wave simulations using Sinc Differential Quadrature Method**
KORKMAZ A., Dag İ.
ENGINEERING COMPUTATIONS, cilt.28, ss.654-674, 2011 (SCI-Expanded)

XLIV. **Taylor-Galerkin method for advection-diffusion equation**
Dag İ., Canivar A., Sahin A.
KYBERNETES, cilt.40, ss.762-777, 2011 (SCI-Expanded)

XLV. **Numerical Simulations of the Improved Boussinesq Equation**
IRK D., Dag İ.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.26, sa.6, ss.1316-1327, 2010 (SCI-Expanded)

XLVI. **Numerical Investigation of the Solution of Fisher's Equation via the B-Spline Galerkin Method**
Dag İ., Sahin A., Korkmaz A.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.26, sa.6, ss.1483-1503, 2010 (SCI-Expanded)

XLVII. **A Taylor-Galerkin finite element method for the KdV equation using cubic B-splines**
Canivar A., SARI M., Dag İ.
PHYSICA B-CONDENSED MATTER, cilt.405, sa.16, ss.3376-3383, 2010 (SCI-Expanded)

XLVIII. **Cosine Expansion-Based Differential Quadrature Algorithm for Numerical Solution of the RLW Equation**
Dag İ., Korkmaz A., SAKA B.

NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.26, sa.3, ss.544-560, 2010 (SCI-Expanded)

XLIX. **Numerical solution of RLW equation using radial basis functions**
Dag İ., DERELİ Y.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.87, sa.1, ss.63-76, 2010 (SCI-Expanded)

L. **A Compact Finite Difference Method for the Solution of the Generalized Burgers-Fisher Equation**
SARI M., GÜRARSLAN G., Dag İ.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.26, sa.1, ss.125-134, 2010 (SCI-Expanded)

LI. **Soliton solutions for NLS equation using radial basis functions**
DERELİ Y., IRK D., Dag İ.
CHAOS SOLITONS & FRACTALS, cilt.42, sa.2, ss.1227-1233, 2009 (SCI-Expanded)

LII. **Crank-Nicolson - Differential quadrature algorithms for the Kawahara equation**
Korkmaz A., Dag İ.
CHAOS SOLITONS & FRACTALS, cilt.42, sa.1, ss.65-73, 2009 (SCI-Expanded)

LIII. **Quartic B-spline Galerkin approach to the numerical solution of the KdVB equation**
Saka B., DaG İ.
APPLIED MATHEMATICS AND COMPUTATION, cilt.215, sa.2, ss.746-758, 2009 (SCI-Expanded)

LIV. **Solitary wave simulations of Complex Modified Korteweg-de Vries Equation using differential quadrature method**
Korkmaz A., Dag İ.
COMPUTER PHYSICS COMMUNICATIONS, cilt.180, sa.9, ss.1516-1523, 2009 (SCI-Expanded)

LV. **A differential quadrature algorithm for nonlinear Schrodinger equation**
Korkmaz A., Dag İ.
NONLINEAR DYNAMICS, cilt.56, ss.69-83, 2009 (SCI-Expanded)

LVI. **A differential quadrature algorithm for simulations of nonlinear Schrodinger equation**
Korkmaz A., Dag İ.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.56, sa.9, ss.2222-2234, 2008 (SCI-Expanded)

LVII. **A numerical solution of the RLW equation by Galerkin method using quartic B-splines**
Saka B., Dag İ.
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, cilt.24, sa.11, ss.1339-1361, 2008 (SCI-Expanded)

LVIII. **Three different methods for numerical solution of the EW equation**
Saka B., Dag İ., DERELİ Y., Korkmaz A.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, cilt.32, sa.7, ss.556-566, 2008 (SCI-Expanded)

LIX. **A numerical study of the Burgers' equation**
Saka B., Dag İ.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.345, sa.4, ss.328-348, 2008 (SCI-Expanded)

LX. **Solitary wave solutions of the CMKdV equation by using the quintic B-spline collocation method**
IRK D., Dag İ.
PHYSICA SCRIPTA, cilt.77, sa.6, 2008 (SCI-Expanded)

LXI. **Numerical solutions of KdV equation using radial basis functions**
Dag İ., DERELİ Y.
APPLIED MATHEMATICAL MODELLING, cilt.32, sa.4, ss.535-546, 2008 (SCI-Expanded)

LXII. **Quintic B-spline collocation method for numerical solution of the RLW equation**
Saka B., Dag İ., IRK D.
ANZIAM JOURNAL, cilt.49, sa.3, ss.389-410, 2008 (SCI-Expanded)

LXIII. **A B-spline algorithm for the numerical solution of Fisher's equation**
Sahin A., Dag İ., Saka B.
KYBERNETES, cilt.37, ss.326-342, 2008 (SCI-Expanded)

LXIV. **Quartic B-spline collocation algorithms for numerical solution of the RLW equation**
Saka B., Dag İ.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.23, sa.3, ss.731-751, 2007 (SCI-Expanded)

LXV. **Quartic B-spline collocation method to the numerical solutions of the Burgers' equation**
Saka B., Dag İ.
CHAOS SOLITONS & FRACTALS, cilt.32, sa.3, ss.1125-1137, 2007 (SCI-Expanded)

LXVI. **Numerical solution of the Burgers' equation over geometrically graded mesh**
Dag İ., Sahin A.
KYBERNETES, cilt.36, ss.721-735, 2007 (SCI-Expanded)

LXVII. **Galerkin method for the numerical solution of the RLW equation using quintic B-splines**
Dag İ., Saka B., Irk D.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.190, ss.532-547, 2006 (SCI-Expanded)

LXVIII. **A small time solutions for the Korteweg-de Vries equation using spline approximation**
Irk D., Dag İ., Saka B.
APPLIED MATHEMATICS AND COMPUTATION, cilt.173, sa.2, ss.834-846, 2006 (SCI-Expanded)

LXIX. **Least-squares finite element method for the advection-diffusion equation**
Dag İ., Irk D., Tombul M.
APPLIED MATHEMATICS AND COMPUTATION, cilt.173, sa.1, ss.554-565, 2006 (SCI-Expanded)

LXX. **B-spline Galerkin methods for numerical solutions of the Burgers' equation**
Dag İ., Saka B., Boz A.
APPLIED MATHEMATICS AND COMPUTATION, cilt.166, sa.3, ss.506-522, 2005 (SCI-Expanded)

LXXI. **A numerical solution of the Burgers' equation using cubic B-splines**
Dag İ., Irk D., Saka B.
APPLIED MATHEMATICS AND COMPUTATION, cilt.163, sa.1, ss.199-211, 2005 (SCI-Expanded)

LXXII. **A collocation method for the numerical solution of the RLW equation using cubic B-spline basis**
Saka B., Dag İ.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.30, ss.39-50, 2005 (SCI-Expanded)

LXXIII. **B-spline collocation methods for numerical solutions of the Burgers' equation**
Dag İ., Irk D., Sahin A.
MATHEMATICAL PROBLEMS IN ENGINEERING, sa.5, ss.521-538, 2005 (SCI-Expanded)

LXXIV. **Application of cubic B-splines for numerical solution of the RLW equation**
Dag İ., Saka B., Irk D.
APPLIED MATHEMATICS AND COMPUTATION, cilt.159, sa.2, ss.373-389, 2004 (SCI-Expanded)

LXXV. **Galerkin method for the numerical solution of the RLW equation using quadratic B-splines**
Saka B., Dag İ., Dogan A.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.81, sa.6, ss.727-739, 2004 (SCI-Expanded)

LXXVI. **Numerical solutions of the Burgers' equation by the least-squares quadratic B-spline finite element method**
Kutluay S., ESEN A., Dag İ.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.167, sa.1, ss.21-33, 2004 (SCI-Expanded)

LXXVII. **B-spline collocation methods for numerical solutions of the RLW equation**
Dag İ., Dogan A., Saka B.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.80, sa.6, ss.743-757, 2003 (SCI-Expanded)

LXXVIII. **Approximation of the RLW equation by the least square cubic B-spline finite element method**
Dag İ., Ozer M.
APPLIED MATHEMATICAL MODELLING, cilt.25, sa.3, ss.221-231, 2001 (SCI-Expanded)

LXXIX. **Least-squares quadratic B-spline finite element method for the regularised long wave equation**
Dag İ.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.182, ss.205-215, 2000 (SCI-Expanded)

LXXX. **A quadratic B-spline finite element method for solving nonlinear Schrodinger equation**
Dag İ.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.174, ss.247-258, 1999 (SCI-Expanded)

LXXXI. **The boundary-forced regularised long-wave equation.**
Gardner L., Dag İ.

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS, cilt.110, sa.12, ss.1487-1496, 1995 (SCI-Expanded)

LXXXII. **A B-SPLINE FINITE-ELEMENT METHOD FOR THE REGULARIZED LONG-WAVE EQUATION**
GARDNER L., GARDNER G., DAG I.
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, cilt.11, sa.1, ss.59-68, 1995 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **NUMERICAL SOLUTIONS OF REACTION-DIFFUSION EQUATION SYSTEMS WITH TRIGONOMETRIC QUINTIC B-SPLINE COLLOCATION ALGORITHM**
TOK ONARCAN A., ADAR N., DAĞ İ.
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, cilt.24, sa.2, ss.121-140, 2023 (Hakemli Dergi)

II. **Metin Madenciliği Yöntemleri ile Twitter Verilerinden Bilgi Keşfi**
Beşkirli A., Gülbandılar E., Dağ İ.
Eskişehir Türk Dünyası Uygulama ve Araştırma Merkezi Bilişim Dergisi, cilt.2, sa.1, ss.21-25, 2021 (Hakemli Dergi)

III. **An Exponential Cubic B-spline Algorithm for Solving the Nonlinear Coupled Burgers' Equation**
Ersoy Hepson Ö., Dağ İ.
Computational Methods for Differential Equations, cilt.9, sa.4, ss.1109-1127, 2021 (ESCI)

IV. **EXTENDED B-SPLINE COLLOCATION METHOD FOR KDV-BURGERS EQUATION**
Hepson Ö., Korkmaz A., Dag İ.
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, cilt.9, sa.2, ss.267-278, 2019 (ESCI)

V. **ON THE NUMERICAL SOLUTION OF THE KLEIN-GORDON EQUATION BY EXPONENTIAL CUBIC B-SPLINE COLLOCATION METHOD**
Ersoy Hepson Ö., Korkmaz A., Dağ İ.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.68, sa.1, ss.412-421, 2019 (ESCI)

VI. **Galerkin method for the numerical solution of the advection-diffusion equation by using exponential B-splines**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ.
International Journal of Mathematical Modelling Computations, cilt.8, sa.3, ss.2-3, 2018 (Hakemli Dergi)

VII. **Numerical Solution of Singularly Perturbed Problems via both Galerkin and Subdomain Galerkin methods**
ERSOY HEPSON Ö., DAĞ İ.
Applied Mathematics & Information Sciences, cilt.12, sa.3, ss.495-500, 2018 (Scopus)

VIII. **A NUMERICAL SOLUTION OF THE ADVECTION-DIFFUSION EQUATION BY USING EXTENDED CUBIC B-SPLINE FUNCTIONS**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ., DOĞAN S., IRK D.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A - Applied Sciences and Engineering, cilt.19, sa.2, ss.347-355, 2018 (Hakemli Dergi)

IX. **The Trigonometric Cubic B-spline Algorithm for Burgers' Equation**
DAĞ İ., ERSOY HEPSON Ö., KAÇMAZ Ö.
International Journal of Nonlinear Science, cilt.24, sa.2, ss.120-128, 2017 (Hakemli Dergi)

X. **The Numerical Approach to the Fisher'xxs Equation via Trigonometric Cubic B-spline Collocation Method**
ERSOY HEPSON Ö., DAĞ İ.
Communications in Numerical Analysis, cilt.2017, sa.2, ss.91-100, 2017 (Hakemli Dergi)

XI. **A septic B spline finite element method for solving the nonlinear Schröndinger equation**
SAKA B., DAĞ İ.
advanced studies in contemporary mathematics, cilt.26, sa.3, ss.527-540, 2016 (Scopus)

XII. **A Septic B spline Finite Element Method for Solving the Nonlinear Schrödinger Equation**
SAKA B., DAĞ İ.
Advanced Studies in Contemporary Mathematics, cilt.26, sa.3, ss.527-540, 2016 (Hakemli Dergi)

XIII. **The extended B spline collocation method for numerical solutions of Fisher equation**
ERSOY HEPSON Ö., DAĞ İ.
AIP Conference Proceedings, cilt.1648, sa.370011, 2015 (Hakemli Dergi)

XIV. **Numerical solution of generalized Burgers Fisher equation by exponential cubic Bsplinecollocation method**
DAĞ İ., ERSOY HEPSON Ö.
AIP Conference Proceedings, cilt.1648, sa.370008, 2015 (Hakemli Dergi)

XV. **The exponential cubic spline algorithm for equal width equation**
DAĞ İ., ERSOY HEPSON Ö.
Advanced Studies in Contemporary Mathematics, cilt.25, sa.4, ss.525-535, 2015 (Scopus)

XVI. **The Exponential Cubic B Spline Algorithm for Korteweg de Vries Equation**
Ersoy Hepson Ö., Dağ İ.
Advances in Numerical Analysis, cilt.2015, sa.42015, ss.1-8, 2015 (Hakemli Dergi)

XVII. **Taylor Collocation Method for The Numerical Solution of The Nonlinear Schrödinger Equation Using Cubic B Spline Basis**
AKSOY A. M., IRK D., DAĞ İ.
International Journal of Nonlinear Science, cilt.15, sa.4, ss.322-333, 2013 (Hakemli Dergi)

XVIII. **Numerical Simulations of Complex Modified KdVEquation using Polynomial Differential Quadrature Method**
KORKMAZ A., DAĞ İ.
International Journal of Mathematics and Statistics, cilt.10, ss.1-13, 2011 (Hakemli Dergi)

XIX. **Quartic B spline Differential Quadrature Method**
KORKMAZ A., AKSOY A. M., DAĞ İ.
International Journal of Nonlinear Science, cilt.11, sa.4, ss.403-411, 2011 (Hakemli Dergi)

XX. **Numerical Solution of Singularly Perturbed Problems using B splines over graded interval**
DAĞ İ., ŞAHİN A.
International Journal of Nonlinear Science, cilt.8, sa.1, ss.32-39, 2009 (Hakemli Dergi)

XXI. **Numerical Solution of the Modified Burgers Equation by the Quintic B spline Galerkin Finite Element Method**
SAKA B., DAĞ İ., IRK D.
International Journal of Mathematics and Statistics, cilt.1, ss.86-98, 2007 (Hakemli Dergi)

XXII. **Simulation of EW wave generation via quadratic B spline finite elemet method**
DAĞ İ., IRK D., BOZ A.
International Journal of Mathematics and Statistics, cilt.1, ss.46-59, 2007 (Hakemli Dergi)

XXIII. **A Cubic B spline Collocation Method for the EW Equation**
DAĞ İ., SAKA B.
Mathematical and Computational Applications, cilt.9, ss.381-392, 2005 (Hakemli Dergi)

XXIV. **Cubic Spline Collocation Method for the Equal Width Equation**
IRK D., SAKA B., DAĞ İ.
Hadronic Journal Supplement, cilt.18, ss.201-214, 2003 (Hakemli Dergi)

XXV. **NLS Equation from Fifth Order Integrable Nonlinear Evolution Equations**
ÖZER M. N., DAĞ İ.
Hadronic Journal, cilt.24, sa.2, ss.195-206, 2001 (Scopus)

XXVI. **Approximate solutions of the second order differential equations with deviating argument by deficient spline functions**
haydar a., george m., DAĞ İ.
Automat. Comput. Applied. Math, cilt.2, sa.1, ss.87-93, 1992 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. **Veri Madenciliği ile Hastalık Tespiti Üzerine Yapılan Çalışmaların İncelenmesi**
BEŞKİRLİ A., GÜLBANDILAR E., DAĞ İ.
Mühendislik Alanında Teori ve Araştırmalar, Hayaloğlu Adnan, Editör, Gece Kitaplığı, ss.15-28, 2020

II. **Finite element method for Schnackenberg model**
Ersoy Hepson Ö., Dağ İ.
Mathematical Methods in Engineering, Applications in Dynamics of Complex Systems, Kenan Taş,Dumitru Baleanu,J. A. Tenreiro Machado, Editör, Springer, London/Berlin , Zürich, ss.41-51, 2019

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Least Squares Method for the Numerical Solution of Advection-Diffusion Equation**
DAĞ İ., ERSOY HEPSON Ö.
MAS 13th International European Conference on Mathematics, Engineering, Natural Medical Science, Afganistan, 23 - 25 Ekim 2020

II. **Hyperbolic-trigonometric Tension B-spline Galerkin Approach for the Solution of RLW Equation"**
DAĞ İ., ERSOY HEPSON Ö.
Fourth International Conference of Mathematical Sciences (ICMS 2020), 17 - 21 Haziran 2020

III. **Numerical Solution of the Time Fractional Korteweg-de Vries Equation by way of Quintic Trigonometric B-spline Integrator**
ERSOY HEPSON Ö., DAĞ İ.
5th International Conference on Engineering and Natural Science, PRAG, Çek Cumhuriyeti, 12 - 16 Haziran 2019, ss.13-22

IV. **Exponential B-spline Solution for the Time Fractional Burgers' Equation**
ERSOY HEPSON Ö., DAĞ İ.
5th International Conference on Engineering and Natural Science, PRAG, Çek Cumhuriyeti, 12 - 16 Haziran 2019, ss.123-132

V. **The Cubic Trigonometric B-spline Galerkin Method for the Fisher Equation**
ERSOY HEPSON Ö., DAĞ İ.
5th International Conference on Engineering and Natural Science, PRAG, Çek Cumhuriyeti, 12 - 16 Haziran 2019, ss.81-90

VI. **Finite Element Method for Schnakenberg Model**
Ersoy Hepson Ö., Dag İ.
International Symposium on Mathematical Methods in Engineering (MME), Ankara, Türkiye, 27 - 29 Nisan 2017, cilt.24, ss.41-51

VII. **Trigonometric B-spline Collocation and Galerkin methods for Time Fractional Burgers' Equation**
ERSOY HEPSON Ö., DAĞ İ.
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians"Minisymposium on Approximation Theory Minisymposium on Math Education", 3 - 06 Temmuz 2018

VIII. **Wave Simulations of Gray-Scott Reaction-Diffusion System**
TOK ONARCAN A., ADAR N., DAĞ İ.
INTERNATIONAL CONFERENCE ON MATHEMATICS, İstanbul, Türkiye, 3 - 06 Temmuz 2018

IX. **Pattern Formation of Reaction-Diffusion Schnakenberg Model Using Trigonometric Quadratic B-spline Functions**
TOK ONARCAN A., ADAR N., DAĞ İ.
International Conference on Mathematics-ICOMATH 2018, İstanbul, Türkiye, 3 - 06 Temmuz 2018

X. **A cubic subdomain Galerkin method over the geometrically graded mesh to the singularly perturbed problem**

Ersoy Hepson Ö., Dag İ.
6th International Eurasian Conference on Mathematical Sciences and Applications, IECMSA 2017, Budapest, Macaristan, 15 - 18 Ağustos 2017, cilt.1926

XI. **A NUMERICAL APPROXIMATION TO THE SOLUTIONS OF THE CAHN-HILLARD EQUATION**
TOK ONARCAN A., ADAR N., ERSOY HEPSON Ö., DAĞ İ.
International Congress on Fundamental and Applied Sciences 2017 (ICFAS2017), Sarajevo, Bosna-Hersek, 21 - 25 Ağustos 2017

XII. **A Numerical Solution of the Advection-Diffusion Equation by Using Extended Cubic B-Spline Functions**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ.
International Conference on Mathematics and Mathematics Education(ICMME-2017), 11 - 13 Mayıs 2017

XIII. **A Numerical Solution of the Kuramoto-Sivashinsky Equation byCollocation Method using Quintic Trigonometric B-spline**
SAKA B., ZORŞAHİN GÖRGÜLÜ M., DAĞ İ.
International Conference on Mathematics and Mathematics Education(ICMME-2017), 11 - 13 Mayıs 2017

XIV. **A quintic trigonometric B-splines collocation method for solving the Kuramoto-Sivashinsky equation**
SAKA B., DAĞ İ., Seber Y.
International workshop on mathematical methods in engineering, Ankara, Türkiye, 27 Nisan 2016 - 29 Nisan 2018

XV. **A Quartic Trigonometric B-spline Collocation Method for Solving the Kuramoto-Sivashinsky Equation**
SAKA B., ERSOY HEPSON Ö., DAĞ İ.
The International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017

XVI. **A Quintic Trigonometric B-spline Collocation Method for Solving the Kuramoto-Sivashinsky Equation**
SAKA B., ŞEBER Y., DAĞ İ.
MATHEMATICAL METHODS IN ENGINEERING, MME-2017, Ankara, Türkiye, 27 - 29 Nisan 2017

XVII. **A Comparative Numerical Study Based on Cubic Polynomial and Trigonometric B-splines for the Gardner Equation**
ERSOY HEPSON Ö., KORKMAZ A., DAĞ İ.
The International Workshop on Mathematical Methods in Engineering (MME2017), 27 - 29 Nisan 2017

XVIII. **Numerical Solutions of Singularly Perturbed Problems via both Galerkin and Subdomain Galerkin methods**
ERSOY HEPSON Ö., DAĞ İ.
3rd International Conference on Pure and Applied Sciences, 2 - 06 Şubat 2017

XIX. **Numerical Solutions of the Gardner Equation by Extended Form of the Cubic B-Splines**
Ersoy Hepson Ö., Korkmaz A., Dağ İ.
3rd International Conference on Pure and Applied Sciences, Dubai, Birleşik Arap Emirlikleri, 2 - 06 Şubat 2017

XX. **Exponential B-spline Collocation Solutions to the Gardner Equation**
Ersoy Hepson Ö., Korkmaz A., Dağ İ.
International Conference on Pure Applied Science (ICPAS 2017), Dubai, Birleşik Arap Emirlikleri, 2 - 06 Şubat 2017

XXI. **Exponential B splines Galerkin Method for theNumerical Solution of the Fisher s Equation**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), 22 - 26 Ağustos 2016

XXII. **On the Numerical Solution of the Klein Gordon Equation by Exponential B Spline Collocation Method**
Ersoy Hepson Ö., Korkmaz A., Dağ İ.
Second International Conference on Analysis and its Applications, Kırşehir, Türkiye, 12 - 15 Temmuz 2016

XXIII. **Numerical Solutions of Reaction Diffusion EquationSystem with Trigonometric Quintic B spline Collocation Algorithm**
TOK ONARCAN A., ADAR N., DAĞ İ., ŞAHİN A.
International Conference on Applied Mathematics and Analysis (ICAMA2016), 11 - 13 Temmuz 2016

XXIV. **Trigonometric cubic B spline collocation method for solitons ofthe Klein Gordon equation**
DAĞ İ., ERSOY HEPSON Ö., KORKMAZ A.
International Conference on Applied Mathematics and Analysis (ICAMA2016), 11 - 13 Temmuz 2016

XXV. **A collocation method based on extended cubic B splines fornumerical solutions of the Klein Gordon equation**
DAĞ İ., ERSOY HEPSON Ö., KORKMAZ A.
International Conference on Applied Mathematics and Analysis (ICAMA2016), 11 - 13 Temmuz 2016

XXVI. **Numerical solutions of reaction diffusion equation systems with trigonometric quintic B spline collocation algorithm**
Tok Onarcan A., Adar N., Dağ İ.
International Conference on Applied Mathematics and Analysis (ICAMA2016), Ankara, Türkiye, 11 - 16 Temmuz 2016, cilt.1

XXVII. **Approximate Solutions of Boussinesq System via Trigonometric Cubic B Splines**
ERSOY HEPSON Ö., KORKMAZ A., DAĞ İ.
2nd International Conference on Pure & Applied Science (ICPAS 2016), 1 - 05 Haziran 2016

XXVIII. **Extended B Spline Collocation Method for KdV Burgers Equation**
ERSOY HEPSON Ö., KORKMAZ A., DAĞ İ.
2nd International Conference on Pure & Applied Science (ICPAS 2016), 1 - 05 Haziran 2016

XXIX. **Wave propogation by way of exponential B spline Galerkin method**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ., IRK D.
International conference on quantum science and application(ICQSA-2016), 25 - 27 Mayıs 2016

XXX. **Trigonometric cubic B spline Collocation Algorithm for Numerical Solutions of Reaction Diffusion Equation system**
TOK ONARCAN A., ADAR N., DAĞ İ.
International Conference on Quantum Science and Applications, 25 - 27 Mayıs 2016

XXXI. **Similations of Gray Scott Auto Catalysis System in One Dimension**
KORKMAZ A., ERSOY HEPSON Ö., DAĞ İ.
International Conference on Quantum Science and Applications, 25 - 27 Mayıs 2016

XXXII. **The Exponential Cubic B spline Algorithm for Burgers Equation**
ERSOY HEPSON Ö., DAĞ İ., ADAR N.
International Conference on Quantum Science and Aplications (ICQSA2016), Eskişehir, Türkiye, 25 - 27 Mayıs 2016, cilt.1, ss.78

XXXIII. **Trigonometric Cubic B spline collocation Algorithm for Numerical Solutions of Reaction Diffusion Equation Systems**
TOK ONARCAN A., ADAR N., DAĞ İ.
International Conference on Quantum Science and Applications (ICQSA-2016), Eskişehir, Türkiye, 25 - 27 Mayıs 2016, cilt.1, ss.131

XXXIV. **An Exponential Cubic B Spline Finite Element Method for Solving the Nonlinear Coupled Burgers Equation**
ERSOY HEPSON Ö., DAĞ İ.
3rd International Conference on Recent Advances in Pure and Applied Mathematics, 19 - 23 Mayıs 2016

XXXV. **Generation of the Trigonometric Cubic B Spline Collocation Solutions for Generalized Burgers Fisher Equation**
ERSOY HEPSON Ö., DAĞ İ.
3rd International Conference on Recent Advances in Pure and Applied Mathematics, 19 - 23 Mayıs 2016

XXXVI. **Galerkin method for the numerical solution of the advection diffusion equation by using exponential B splines**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ.
International Conference on Natural Science and Engineering (ICNASE'16), 19 - 20 Mart 2016

XXXVII. **The Numerical Approach to the Fisher s Equation viaTrigonometric Cubic B spline Collocation Method**
ERSOY HEPSON Ö., DAĞ İ.
International Conference on Natural Science and Engineering, 19 - 20 Mart 2016

XXXVIII. **Wave Propagation by Way of Exponential B-Spline Galerkin Method**

ZORŞAHİN GÖRGÜLÜ M., Dag İ., Irk D.
International Conference on Quantum Science and Applications (ICQSA), Eskişehir, Türkiye, 25 - 27 Mayıs 2016, cilt.766

XXXIX. **A Trigonometric Cubic B spline Finite Element Method for Solving the Nonlinear Coupled Burgers Equation**
ERSOY HEPSON Ö., DAĞ İ.
International Conference on Advances in Applied and Computational Mechanics, İzmir, Türkiye, 5 - 07 Ağustos 2015

XL. **The Exponential Cubic B spline Collocation Method for Kuramoto Sivashinsky KS Equation**
ERSOY HEPSON Ö., DAĞ İ.
International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2015, İstanbul, Türkiye, 3 - 06 Haziran 2015

XLI. **Numerical Solutions of the Reaction Diffusion Equation System by Exponential Cubic B spline Collocation method**
ERSOY HEPSON Ö., DAĞ İ.
International Conference on Applied Analysis and Mathematical Modelling, ICAAMM 2015, İstanbul, Türkiye, 8 - 12 Haziran 2015

XLII. **Trigonometric quadratic B spline subdomain Galerkin algorithm for the Burgers equation**
AY B., DAĞ İ., ZORŞAHİN GÖRGÜLÜ M.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2015), 8 - 12 Haziran 2015

XLIII. **NUMERICAL SOLUTION OF THE BURGERS EQUATION USING TRIGONOMETRİC B SPLINE GALERKİN METHOD**
IRK D., PINAR K., DAĞ İ.
20TH INTERNATİONAL CONFERENCE ON MATHEMATICAL MODELLING AND ANALYSİS, SİGULDA, 26 - 29 Mayıs 2015

XLIV. **Galerkin method for the numerical solution of the rlw equation by using exponential B splines**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ., IRK D.
20th ınternational conference on mathematical modelling and analysisis, sigulda , latviya, SİGULDA, 26 - 29 Mayıs 2015

XLV. **Numerical solutions of the Burgers equation using trigonometric B spline galerkin method**
ZORŞAHİN GÖRGÜLÜ M., DAĞ İ., IRK D.
20th International Conference on Mathematical Modelling and Analysis, Sigulda, Letonya, 26 - 29 Mayıs 2015

XLVI. **The Extended B-Spline Collocation Method for Numerical Solutions of Fisher Equation**
Ersoy Hepson Ö., Dag İ.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Yunanistan, 22 - 28 Eylül 2014, cilt.1648

XLVII. **Numerical Solution of Generalized Burgers-Fisher Equation by Exponential Cubic B-Spline Collocation Method**
Dag İ., ERSOY HEPSON Ö.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Yunanistan, 22 - 28 Eylül 2014, cilt.1648

XLVIII. **The Exponential Cubic B-Spline Algorithm for Fisher Equation**
DAĞ İ., ERSOY HEPSON Ö.
3rd International Eurasion Conference On Mathematical Sciences and Applications (IECMSA 2014), Avusturya, 25 - 28 Ağustos 2014

XLIX. **The Exponential Cubic B-Spline Algorithm for Korteweg-de Vries (KDV) Equation**
ERSOY HEPSON Ö., DAĞ İ.
3rd International Eurasion Conference On Mathematical Sciences and Applications (IECMSA 2014), Avusturya, 25 - 28 Ağustos 2014

L. **A Septic B spline Finite Element Method for Solving the Nonlinear Schrödinger Equation**
SAKA B., DAĞ İ.

International Eurasian Conference on Mathematical Sciences and Applications, 25 - 28 Ağustos 2014

LI. **The Exponential Cubic B-Spline Algorithm for Equal Width Equation**
DAĞ İ., ERSOY HEPSON Ö.
Karatekin Mathematics Days (KMD 2014), Türkiye, 11 - 13 Haziran 2014

LII. **A Sextic B spline Finite Element Method for Solving the Nonlinear Schrödinger Equation**
SAKA B., DAĞ İ.
Karatekin Mathematics Days,International Mathematics Symposium, 11 - 13 Haziran 2014

LIII. **Kuintik B spline Galerkin metodu ile KdV denkleminin sayısal çözümü**
SAKA B., DAĞ İ.
XX. Ulusal Matematik Sempozyumu, Türkiye, 3 - 06 Eylül 2007

LIV. **Genelleştirilmiş Lineer Olmayan Schrödinger GNLS Denkleminin Sonlu Farklar Çözümü**
IRK D., DAĞ İ.
II. Türk Dünyası Matematik Sempozyumu, 4 - 07 Temmuz 2007

LV. **Quintic B spline Galerkin Method for Numerical Solutions of the Burgers Equation**
DAĞ İ., SAKA B., BOZ A.
Dynamical Systems and Applications, 5 - 10 Temmuz 2004, ss.295-309

Metrikler

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