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Education Information

Doctorate, Bath, School Of Mathematics, Computer And Mathematical Sciences, United Kingdom 1989 - 1993

Advising Theses

BAYRAM M., Diferensiyel cebirsel ve kısmi türevli diferensiyel cebirsel denklemlerin nümerik çözümü, Postgraduate, M.Osmanoğlu(Student), 2016

BAYRAM M., Satranç Atı Probleminde Kullanılan Arama Algoritmaları, Özellikleri ve Çözümleri, Postgraduate, İ.Can(Student), 2016

BAYRAM M., On stability, periodicity and boundedness of some fourth order rational difference equations' solutions, Doctorate, M.Tuba(Student), 2016

BAYRAM M., Adomian Ayrıştırma (Decomposition) Metodu ile Modelleme Örnekleri, Postgraduate, H.Akyol(Student), 2016

BAYRAM M., Sembolik ve Nümerik Metotlarla Enzim Kinetiği Problemlerinin İncelenmesi, Doctorate, N.Yıldırım(Student), 2016

BAYRAM M., Numerical Solution of Differential-algebraic Equations, Doctorate, E.Çelik(Student), 2016

BAYRAM M., Boundedness, periodicity and stability of some difference equations, Doctorate, S.Ebru(Student), 2016

BAYRAM M., Numerical solutions of fractional differential-algebraic equations, Doctorate, B.İbiş(Student), 2016

BAYRAM M., Mathematical Models By Fundamental Thermodynamic Equations On Paper Drying, Doctorate, G.Koyunlu(Student), 2016

BAYRAM M., Diferensiyel Denklemlerin Diferensiyel Dönüşümler Yardımıyla Çözümü, Postgraduate, Y.Güngör(Student), 2016

BAYRAM M., Senkronizasyon, Postgraduate, F.Burcu(Student), 2016

BAYRAM M., Rasyonel İnterpolasyon Yöntemleri ve Uygulamaları, Postgraduate, B.Ali(Student), 2016

BAYRAM M., Numerical solutions of algebraic Riccati equations, Doctorate, B.Özyurt(Student), 2016

BAYRAM M., A study of Lebesgue constants in barycentric rational and multivariate polynomial interpolation, Doctorate, B.Ali(Student), 2016

BAYRAM M., Matris Teorisinin Biyokimyasal Kinetiğe Uygulaması, Postgraduate, H.Yetişkin(Student), 1998

BAYRAM M., Çok Değişkenli Polinom Tipindeki Denklem Sistemlerinin Gröbner Bazı Metodu ile Çözümü ve Uygulamaları, Postgraduate, M.Güner(Student), 1996

BAYRAM M., Gröbner Bazı ve Uygulamaları, Postgraduate, E.Çelik(Student), 1996

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Solitons in dual-core optical fibers with chromatic dispersion**
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- II. **Soliton solutions to the nonlinear higher dimensional Kadomtsev-Petviashvili equation through the new Kudryashov's technique**
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- III. **Two Analytical Schemes for the Optical Soliton Solution of the (2+1)-dimensional generalized Sasa-Satsuma equation**
Ozdemir N., SEÇER A., ÖZİŞİK M., BAYRAM M.
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- IV. **Optical soliton solutions of (1+1)- and (2+1)-dimensional generalized Sasa-Satsuma equations using new Kudryashov method**
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- V. **Analytical solutions of (2+1)-dimensional Calogero-Bogoyavlenskii-Schiff equation in fluid mechanics/plasma physics using the New Kudryashov method**
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- IX. **Chebyshev Differential Quadrature for Numerical Solutions of Third- and Fourth-Order Singular Perturbation Problems**
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- X. **THE GENERALIZED GEGENBAUER-HUMBERT'S WAVELET FOR SOLVING FRACTIONAL DIFFERENTIAL EQUATIONS**
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- XII. **The common solution for a generalized equilibrium problem, a variational inequality problem and a hierarchical fixed point problem**
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- XIV. **Numerical Solution of Fractional Benney Equation**

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- XXI. **Sinc-Galerkin method for approximate solutions of fractional order boundary value problems**
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- XXIII. **Approximates Method for Solving an Elasticity Problem of Settled of the Elastic Ground with Variable Coefficients**
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- XXIV. **A Numerical Method for Partial Differential Algebraic Equations Based on Differential Transform Method**
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- XXV. **Coefficient Estimates and Other Properties for a Class of Spirallike Functions Associated with a Differential Operator**
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- XXX. **Numerical comparison of methods for solving fractional differential-algebraic equations (FDAEs)**
Ibis B., Bayram M.
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- XXXI. **Approximate analytical solution for the fractional modified KdV by differential transform method**
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- XXXII. **Global Asymptotic Stability for a Fourth-Order Rational Difference Equation**
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- XXXIII. **On the numerical solution of differential-algebraic equations with index-3**
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- XXXIV. **Metabolic control analysis of trio enzymes system**
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APPLIED MATHEMATICS AND COMPUTATION, vol.170, no.2, pp.948-957, 2005 (SCI-Expanded)
- XXXV. **On the numerical solution of stiff systems**
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- XXXVII. **Derivation of conservation relationships for catalytic cycles using MAPLE**
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- XXXVIII. **The numerical solution of physical problems modeled, as a systems of differential-algebraic equations (DAEs)**
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- XLI. **Application of Grobner basis techniques to enzyme kinetics**
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- XLVI. **Automatic calculation of minimum crossing numbers of 3-braids**
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- XLVII. **The ordinary successive approximations method and Pade approximants for solving a differential equation with variant retarded argument**
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- XLIX. **Arbitrary order numerical method for solving differential-algebraic equation by Pade series**
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- L. **Application of computer algebra-techniques to metabolic control analysis**
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- LI. **Simultaneous solution of polynomial equations**
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- LIX. **On a method of calculation of the first phase saturation during the process of displacement of oil by water from porous media**

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