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Doktora, Fen, Matematik, Birleşik Krallık 1994 - 1998

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Doktora Tezi, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1998

Araştırma Alanları

Matematik, Bilgisayar Bilimleri, Diferansiyel denklemler, Yaklaşımlar ve Açılımlar, Temel Bilimler

Akademik İdari Deneyim

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003 - 2006

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2001 - 2004

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1999 - 2004

Yönetilen Tezler

TÜRKYILMAZOĞLU M., Dönen akışkanlar ve bazı uygulamaları, Yüksek Lisans, P.ŞENEL(Öğrenci), 2012

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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- V. **RELIABLE COMPUTATIONAL METHODS FOR SOLVING JEFFERY-HAMEL FLOW PROBLEM BASED ON POLYNOMIAL FUNCTION SPACES**
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- VII. **Generalized mean state of the isothermal Darcy–Benard problem and its instability onset**
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- VIII. **On heat transfer with unsteady MHD nanofluid von Karman flow with uniform suction**
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- IX. **Advective flow in a magnetized layer of fluid between hydro-thermal slippery parallel walls**
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- X. **Darcy–Benard convection through a uniformly permeable porous slab**
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- XI. **Hyperthermia therapy of cancerous tumor sitting in breast via analytical fractional model**
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- XII. **Impact of multiple shapes on Al₂O₃–Cu/ H₂O–C₂H₆O₂ towards a permeable surface of cylinder**
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- XIV. **Fully developed flow in a long triangular channel under an applied magnetic field**
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- XV. **A Two-Parameter Family of Basic State in Porous Media Leading to Darcy–Bénard Convection**
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- XVI. **Towards an approximate solution of highly viscous electro-osmotic flows in inclined Channel: Applications in petroleum and gas engineering**
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- XVII. **Induced flow and heat transfer due to inner stretching and outer stationary coaxial cylinders**
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- XX. **The flow and heat in the conical region of a rotating cone and an expanding disk**
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- XXVI. **Indoor transmission of airborne viral aerosol with a simplistic reaction-diffusion model**
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- XXVII. **Prescribed Temperature Profiles of Longitudinal Convective-Radiative Fins Subject to Axially Distributed Thermal Conductivities**
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- XXX. **Unsteady three-dimensional magnetohydrodynamics flow of nanofluids over a decelerated rotating disk with uniform suction**

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- XXXI. **Lid-Driven Butterfly Cavity for a Controllable Viscous Flow**
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- XXXIII. **Driven flow motion by a dually moving lid of a square cavity**
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- XXXVII. **Asymptotic Suction/Injection Flow Induced by a Uniform Magnetohydrodynamics Free Stream Couple Stress Fluid Over a Flat Plate**
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- XXXVIII. **Slit flow and thermal analysis of micropolar fluids in a symmetric channel with dynamic and permeable**
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- XXXIX. **Maximum wave run-up over beaches of convex/concave bottom profiles**
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- XL. **Thermal performance of optimum exponential fin profiles subjected to a temperature jump**
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- XLI. **An Efficient Computational Method for Differential Equations of Fractional Type**
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- XLIV. **Heat absorption due to falling film with imposed uniform mass fraction at the wall**
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- XLV. **Heat Transfer Enhancement Feature of the Non-Fourier Cattaneo-Christov Heat Flux Model**
TÜRKYILMAZOĞLU M.

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- XLVII. **An analytic parametric study of rounded laser pulse heating**
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- XLVIII. **Stagnation-point flow and heat transfer over stretchable plates and cylinders with an oncoming flow: Exact solutions**
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- LI. **Threshold for the generalized Non-Fourier heat flux model: Universal closed form analytic solution**
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- LII. **On the transparent effects of Buongiorno nanofluid model on heat and mass transfer**
TÜRKYILMAZOĞLU M.
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- LIII. **Complete theory of the elastic wall jet: A new flow geometry with revisited two-phase nanofluids**
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- LIV. **Magnetohydrodynamic Moving Liquid Plug Within a Microchannel: Analytical Solutions**
TÜRKYILMAZOĞLU M.
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- LV. **Nonlinear Problems via a Convergence Accelerated Decomposition Method of Adomian**
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- LVII. **Nanoliquid film flow due to a moving substrate and heat transfer**
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- LVIII. **An optimum profile of a special pin fin: full solutions**
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- LIX. **Exact and approximate solutions to projectile motion in air incorporating Magnus effect**
TÜRKYILMAZOĞLU M., Altundag T.
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- LX. **Velocity Slip and Entropy Generation Phenomena in Thermal Transport Through Metallic Porous Channel**
TÜRKYILMAZOĞLU M.
JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS, cilt.45, sa.3, ss.247-256, 2020 (SCI-Expanded)
- LXI. **Natural convection in the ferrofluid enclosed in a porous and permeable cavity**
Siddiqui A. A., TÜRKYILMAZOĞLU M.

- INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.113, 2020 (SCI-Expanded)
- LXII. **Single phase nanofluids in fluid mechanics and their hydrodynamic linear stability analysis**
TÜRKYILMAZOĞLU M.
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- LXIII. **Analytical and stability analysis of MHD flow past a nonlinearly deforming vertical surface in Carbon Nanotubes**
Anuar N. S., Bachok N., TÜRKYILMAZOĞLU M., Arifin N. M., Rosali H.
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- LXIV. **A simple algorithm for high order Newton iteration formulae and some new variants**
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- LXV. **Cooling of Particulate Solids and Fluid in a Moving Bed Heat Exchanger**
TÜRKYILMAZOĞLU M.
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- LXVI. **Fully developed slip flow in a concentric annuli via single and dual phase nanofluids models**
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- LXVIII. **A New Theoretical Approach of Wall Transpiration in the Cavity Flow of the Ferrofluids**
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- LXIX. **Accelerating the convergence of Adomian decomposition method (ADM)**
TÜRKYILMAZOĞLU M.
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- LXX. **Equivalence of Ratio and Residual Approaches in the Homotopy Analysis Method and Some Applications in Nonlinear Science and Engineering**
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- LXXI. **A Note on the Induced Flow and Heat Transfer Due to a Deforming Cone Rotating in a Quiescent Fluid**
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- LXXII. **Buongiorno model in a nanofluid filled asymmetric channel fulfilling zero net particle flux at the walls**
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- LXXIII. **Analytical solutions to mixed convection MHD fluid flow induced by a nonlinearly deforming permeable surface**
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- LXXIV. **Fluid flow and heat transfer over a rotating and vertically moving disk**
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- LXXV. **Stefan problems for moving phase change materials and multiple solutions**
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- LXXVI. **Hyperbolic Partial Differential Equations with Nonlocal Mixed Boundary Values and their Analytic Approximate Solutions**

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- LXXVII. **Flow and heat due to a surface formed by a vortical source**
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- LXXVIII. **Unsteady flow over a decelerating rotating sphere**
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- LXXIX. **Heat transfer from moving exponential fins exposed to heat generation**
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- LXXX. **A reliable convergent Adomian decomposition method for heat transfer through extended surfaces**
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- LXXXI. **Parametrized Adomian Decomposition Method with Optimum Convergence**
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- LXXXII. **Solution of Initial and Boundary Value Problems by an Effective Accurate Method**
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- LXXXIII. **Condensation of laminar film over curved vertical walls using single and two-phase nanofluid models**
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- LXXXIV. **Unsteady MHD rear stagnationpoint flow over off-centred deformable surfaces**
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- LXXXVI. **A direct solution of temperature field and physical quantities for the nonlinear porous fin problem**
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- LXXXVII. **Numerical study of nanofluid flow and heat transfer over a rotating disk using Buongiorno's model**
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- LXXXVIII. **Magnetohydrodynamic two-phase dusty fluid flow and heat model over deforming isothermal surfaces**
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- LXXXIX. **Algebraic solutions of flow and heat for some nanofluids over deformable and permeable surfaces**
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- XC. **Determination of the Correct Range of Physical Parameters in the Approximate Analytical Solutions of Nonlinear Equations Using the Adomian Decomposition Method**

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- XCII. **Flow of nanofluid plane wall jet and heat transfer**
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- XCV. **Heat transfer from warm water to a moving foot in a footbath**
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- XCVI. **Performance of direct absorption solar collector with nanofluid mixture**
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- XCVII. **Equivalences and correspondences between the deforming body induced flow and heat in two-three dimensions**
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