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Doktora, Fen, Matematik, Birleik Krallık 1994 - 1998

Yabancı Diller

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Yaptıı Tezler

Doktora, Doktora Tezi, Hacettepe niversitesi, Fen Fakltesi, Matematik Blm, 1998

Aratırma Alanları

Matematik, Bilgisayar Bilimleri, Diferansiyel denklemler, Yaklaımlar ve Aılımlar, Temel Bilimler

Akademik İdari Deneyim

Hacettepe niversitesi, Fen Fakltesi, Matematik Blm, 2003 - 2006

Hacettepe niversitesi, Fen Fakltesi, Matematik Blm, 2001 - 2004

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Ynetilen Tezler

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TRKYILMAZOLU M., Sıkıtırılabilir 3-boyutlu dnen-disk akıındaki kararsızlık mekanizmaları, Doktora, N.UYGUN(renci), 2006

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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- 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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- XIII. **A highly accurate peak time formula of epidemic outbreak from the SIR model**
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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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- XVIII. Uniform magnetic field impact on absolute versus convective onset of Darcy–Benard convection with horizontal throughflow**
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- XIX. The instability onset of generalized isoflux mean flow using Brinkman-Darcy-Bénard model in a fluid saturated porous channel**
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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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- XXII. Three dimensional viscous flow due to a squeezing porous slider**
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- XXV. Fractional models of falling object with linear and quadratic frictional forces considering Caputo derivative**
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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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- XXVIII. Radially expanding/contracting and rotating sphere with suction**
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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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- XXXV. **Exponential nonuniform wall heating of a square cavity and natural convection**
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- XXXVI. **Flow and heat over a rotating disk subject to a uniform horizontal magnetic field**
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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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- XLIII. **Explicit formulae for the peak time of an epidemic from the SIR model. Which approximant to use?**
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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**
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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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- XLIX. **Heat transport in shear-driven flow with axial conduction**
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- L. **Exact solutions concerning momentum and thermal fields induced by a long circular cylinder**
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- LI. **Threshold for the generalized Non-Fourier heat flux model: Universal closed form analytic solution**
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- LIIL. **Complete theory of the elastic wall jet: A new flow geometry with revisited two-phase nanofluids**
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- LV. **Nonlinear Problems via a Convergence Accelerated Decomposition Method of Adomian**
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- LVI. **On the fluid flow and heat transfer between a cone and a disk both stationary or rotating**
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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**
TÜRKYILMAZOĞLU M.
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- LIX. **Exact and approximate solutions to projectile motion in air incorporating Magnus effect**
TÜRKYILMAZOĞLU M., Altundag T.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, sa.7, 2020 (SCI-Expanded)
- LX. **Velocity Slip and Entropy Generation Phenomena in Thermal Transport Through Metallic Porous Channel**
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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**
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- 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**
TÜRKYILMAZOĞLU M.
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- LXV. **Cooling of Particulate Solids and Fluid in a Moving Bed Heat Exchanger**
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- LXVI. **Fully developed slip flow in a concentric annuli via single and dual phase nanofluids models**
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- LXVII. **Free and circular jets cooled by single phase nanofluids**
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- LXVIII. **A New Theoretical Approach of Wall Transpiration in the Cavity Flow of the Ferrofluids**
Siddiqui A. A., TÜRKYILMAZOĞLU M.
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- LXIX. **Accelerating the convergence of Adomian decomposition method (ADM)**
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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**
TÜRKYILMAZOĞLU M.
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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**

- TÜRKYILMAZOĞLU M.
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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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- LXXXV. **Approximate Analytical Solution of the Nonlinear System of Differential Equations Having Asymptotically Stable Equilibrium**
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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**
TÜRKYILMAZOĞLU M.
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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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- XCI. **Flow of nanofluid plane wall jet and heat transfer**
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- XCII. **Magnetic Field and Slip Effects on the Flow and Heat Transfer of Stagnation Point Jeffrey Fluid over Deformable Surfaces**
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- XCIV. **Heat transfer from warm water to a moving foot in a footbath**
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- XCV. **Performance of direct absorption solar collector with nanofluid mixture**
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- XCVI. **Equivalences and correspondences between the deforming body induced flow and heat in two-three dimensions**
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Atıf (WoS): 1776

Atıf (Scopus): 185

H-İndeks (WoS): 24

H-İndeks (Scopus): 6

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