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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Fen, Matematik, İngiltere 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

Mesleki Deneyim

Bölüm Başkan Yardımcısı, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003 - 2006

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

Anabilim/Bilim Dalı Başkanı, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1999 - 2004

Yönetilen Tezler

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

TÜRKYILMAZOĞLU M., Sıkıştırılabilir 3-boyutlu dönen-disk akışındaki kararsızlık mekanizmaları, Doktora, N.UYGUN(Öğrenci), 2006

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. On the fluid flow and heat transfer between a cone and a disk both stationary or rotating**
TÜRKYILMAZOĞLU M.
MATHEMATICS AND COMPUTERS IN SIMULATION, cilt.177, ss.329-340, 2020 (SCI İndekslerine Giren Dergi)
- II. Nanoliquid film flow due to a moving substrate and heat transfer**
TÜRKYILMAZOĞLU M.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, 2020 (SCI İndekslerine Giren Dergi)
- III. Exact and approximate solutions to projectile motion in air incorporating Magnus effect**

- TÜRKYILMAZOĞLU M., Altundag T.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Velocity Slip and Entropy Generation Phenomena in Thermal Transport Through Metallic Porous Channel**
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JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS, cilt.45, ss.247-256, 2020 (SCI İndekslerine Giren Dergi)
- V. **Single phase nanofluids in fluid mechanics and their hydrodynamic linear stability analysis**
TÜRKYILMAZOĞLU M.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, cilt.187, 2020 (SCI İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **An optimum profile of a special pin fin: full solutions**
TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **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.
ALEXANDRIA ENGINEERING JOURNAL, cilt.59, ss.497-507, 2020 (SCI İndekslerine Giren Dergi)
- IX. **A simple algorithm for high order Newton iteration formulae and some new variants**
TÜRKYILMAZOĞLU M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.49, ss.425-438, 2020 (SCI İndekslerine Giren Dergi)
- X. **Cooling of Particulate Solids and Fluid in a Moving Bed Heat Exchanger**
TÜRKYILMAZOĞLU M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.141, 2019 (SCI İndekslerine Giren Dergi)
- XI. **Fully developed slip flow in a concentric annuli via single and dual phase nanofluids models**
TÜRKYILMAZOĞLU M.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, cilt.179, 2019 (SCI İndekslerine Giren Dergi)
- XII. **Free and circular jets cooled by single phase nanofluids**
TÜRKYILMAZOĞLU M.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, cilt.76, ss.1-6, 2019 (SCI İndekslerine Giren Dergi)
- XIII. **A New Theoretical Approach of Wall Transpiration in the Cavity Flow of the Ferrofluids**
Siddiqui A. A. , TÜRKYILMAZOĞLU M.
MICROMACHINES, cilt.10, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **Accelerating the convergence of Adomian decomposition method (ADM)**
TÜRKYILMAZOĞLU M.
JOURNAL OF COMPUTATIONAL SCIENCE, cilt.31, ss.54-59, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Equivalence of Ratio and Residual Approaches in the Homotopy Analysis Method and Some Applications in Nonlinear Science and Engineering**
TÜRKYILMAZOĞLU M.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.120, ss.63-81, 2019 (SCI İndekslerine Giren Dergi)
- XVI. **A Note on the Induced Flow and Heat Transfer Due to a Deforming Cone Rotating in a Quiescent Fluid**
TÜRKYILMAZOĞLU M.
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- XVII. **Buongiorno model in a nanofluid filled asymmetric channel fulfilling zero net particle flux at the walls**
TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.126, ss.974-979, 2018 (SCI İndekslerine Giren Dergi)

Dergi)

- XVIII. **Analytical solutions to mixed convection MHD fluid flow induced by a nonlinearly deforming permeable surface**
TÜRKYILMAZOĞLU M.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, cilt.63, ss.373-379, 2018 (SCI İndekslerine Giren Dergi)
- XIX. **Fluid flow and heat transfer over a rotating and vertically moving disk**
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PHYSICS OF FLUIDS, cilt.30, 2018 (SCI İndekslerine Giren Dergi)
- XX. **Stefan problems for moving phase change materials and multiple solutions**
TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.126, ss.67-73, 2018 (SCI İndekslerine Giren Dergi)
- XXI. **Flow and heat due to a surface formed by a vortical source**
TÜRKYILMAZOĞLU M.
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- XXII. **Unsteady flow over a decelerating rotating sphere**
TÜRKYILMAZOĞLU M.
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- XXIII. **Hyperbolic Partial Differential Equations with Nonlocal Mixed Boundary Values and their Analytic Approximate Solutions**
TÜRKYILMAZOĞLU M.
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- XXIV. **Heat transfer from moving exponential fins exposed to heat generation**
TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.116, ss.346-351, 2018 (SCI İndekslerine Giren Dergi)
- XXV. **A reliable convergent Adomian decomposition method for heat transfer through extended surfaces**
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INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.28, ss.2551-2566, 2018 (SCI İndekslerine Giren Dergi)
- XXVI. **Parametrized Adomian Decomposition Method with Optimum Convergence**
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ACM TRANSACTIONS ON MODELING AND COMPUTER SIMULATION, cilt.27, 2017 (SCI İndekslerine Giren Dergi)
- XXVII. **Solution of Initial and Boundary Value Problems by an Effective Accurate Method**
TÜRKYILMAZOĞLU M.
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- XXVIII. **Condensation of laminar film over curved vertical walls using single and two-phase nanofluid models**
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- XXX. **Magnetohydrodynamic two-phase dusty fluid flow and heat model over deforming isothermal surfaces**
TÜRKYILMAZOĞLU M.
PHYSICS OF FLUIDS, cilt.29, 2017 (SCI İndekslerine Giren Dergi)
- XXXI. **Unsteady MHD rear stagnationpoint flow over off-centred deformable surfaces**
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- XXXII. **Numerical study of nanofluid flow and heat transfer over a rotating disk using Buongiorno's model**
Khan J. A. , Mustafa M., Hayat T., TÜRKYILMAZOĞLU M., Alsaedi A.
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.27, ss.221-234, 2017 (SCI
İndekslerine Giren Dergi)
- XXXIII. **A direct solution of temperature field and physical quantities for the nonlinear porous fin problem**
TÜRKYILMAZOĞLU M.
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İndekslerine Giren Dergi)
- XXXIV. **Approximate Analytical Solution of the Nonlinear System of Differential Equations Having
Asymptotically Stable Equilibrium**
TÜRKYILMAZOĞLU M.
FILOMAT, cilt.31, ss.2633-2641, 2017 (SCI İndekslerine Giren Dergi)
- XXXV. **Determination of the Correct Range of Physical Parameters in the Approximate Analytical Solutions
of Nonlinear Equations Using the Adomian Decomposition Method**
TÜRKYILMAZOĞLU M.
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.13, ss.4019-4037, 2016 (SCI İndekslerine Giren Dergi)
- XXXVI. **Flow of nanofluid plane wall jet and heat transfer**
TÜRKYILMAZOĞLU M.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, cilt.59, ss.18-24, 2016 (SCI İndekslerine Giren Dergi)
- XXXVII. **Magnetic Field and Slip Effects on the Flow and Heat Transfer of Stagnation Point Jeffrey Fluid over
Deformable Surfaces**
TÜRKYILMAZOĞLU M.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, cilt.71, ss.549-556, 2016
(SCI İndekslerine Giren Dergi)
- XXXVIII. **Highly accurate analytic formulae for projectile motion subjected to quadratic drag**
TÜRKYILMAZOĞLU M.
EUROPEAN JOURNAL OF PHYSICS, cilt.37, 2016 (SCI İndekslerine Giren Dergi)
- XXXIX. **Equivalences and correspondences between the deforming body induced flow and heat in two-three
dimensions**
TÜRKYILMAZOĞLU M.
PHYSICS OF FLUIDS, cilt.28, 2016 (SCI İndekslerine Giren Dergi)
- XL. **Flow and heat simultaneously induced by two stretchable rotating disks**
TÜRKYILMAZOĞLU M.
PHYSICS OF FLUIDS, cilt.28, 2016 (SCI İndekslerine Giren Dergi)
- XLI. **Performance of direct absorption solar collector with nanofluid mixture**
TÜRKYILMAZOĞLU M.
ENERGY CONVERSION AND MANAGEMENT, cilt.114, ss.1-10, 2016 (SCI İndekslerine Giren Dergi)
- XLII. **Heat transfer from warm water to a moving foot in a footbath**
TÜRKYILMAZOĞLU M.
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- XLIII. **Convergent optimal variational iteration method and applications to heat and fluid flow problems**
TÜRKYILMAZOĞLU M.
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İndekslerine Giren Dergi)
- XLIV. **Air blast response of compaction foam having a deformable front face panel incorporating fluid
structure interactions**
TÜRKYILMAZOĞLU M.
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- XLV. **An Effective Approach for Evaluation of the Optimal Convergence Control Parameter in the
Homotopy Analysis Method**

TÜRKYILMAZOĞLU M.

FILOMAT, cilt.30, ss.1633-1650, 2016 (SCI İndekslerine Giren Dergi)

- XLVI. **An analytical treatment for the exact solutions of MHD flow and heat over two-three dimensional deforming bodies**
TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.90, ss.781-789, 2015 (SCI İndekslerine Giren Dergi)
- XLVII. **Exact Multiple Solutions for the Slip Flow and Heat Transfer in a Converging Channel**
Turkyilmazoglu M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.137, 2015 (SCI İndekslerine Giren Dergi)
- XLVIII. **Analytical solutions of single and multi-phase models for the condensation of nanofluid film flow and heat transfer**
Turkyilmazoglu M.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, cilt.53, ss.272-277, 2015 (SCI İndekslerine Giren Dergi)
- XLIX. **Anomalous heat transfer enhancement by slip due to nanofluids in circular concentric pipes**
Turkyilmazoglu M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.85, ss.609-614, 2015 (SCI İndekslerine Giren Dergi)
- L. **Slip flow and heat transfer over a specific wedge: an exactly solvable Falkner-Skan equation**
Turkyilmazoglu M.
JOURNAL OF ENGINEERING MATHEMATICS, cilt.92, ss.73-81, 2015 (SCI İndekslerine Giren Dergi)
- LI. **A Note on the Correspondence Between Certain Nanofluid Flows and Standard Fluid Flows**
Turkyilmazoglu M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.137, 2015 (SCI İndekslerine Giren Dergi)
- LII. **Bodewadt flow and heat transfer over a stretching stationary disk**
Turkyilmazoglu M.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.90, ss.246-250, 2015 (SCI İndekslerine Giren Dergi)
- LIII. **Effective Computation of Solutions for Nonlinear Heat Transfer Problems in Fins**
Turkyilmazoglu M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.136, 2014 (SCI İndekslerine Giren Dergi)
- LIV. **Extending the traditional Jeffery-Hamel flow to stretchable convergent/divergent channels**
Turkyilmazoglu M.
COMPUTERS & FLUIDS, cilt.100, ss.196-203, 2014 (SCI İndekslerine Giren Dergi)
- LV. **A note on the exact temperatures of free two-dimensional and circular jets**
Turkyilmazoglu M.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.129, 2014 (SCI İndekslerine Giren Dergi)
- LVI. **Nanofluid flow and heat transfer due to a rotating disk**
Turkyilmazoglu M.
COMPUTERS & FLUIDS, cilt.94, ss.139-146, 2014 (SCI İndekslerine Giren Dergi)
- LVII. **MHD fluid flow and heat transfer due to a shrinking rotating disk**
Turkyilmazoglu M.
COMPUTERS & FLUIDS, cilt.90, ss.51-56, 2014 (SCI İndekslerine Giren Dergi)
- LVIII. **Lie group analysis of flow and heat transfer over a stretching rotating disk**
Asghar S., Jalil M., Hussan M., TÜRKYILMAZOĞLU M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.69, ss.140-146, 2014 (SCI İndekslerine Giren Dergi)
- LIX. **Three dimensional MHD stagnation flow due to a stretchable rotating disk**
Turkyilmazoglu M.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.55, ss.6959-6965, 2012 (SCI İndekslerine Giren Dergi)
- LX. **Multiple Analytic Solutions of Heat and Mass Transfer of Magnetohydrodynamic Slip Flow for Two**

Types of Viscoelastic Fluids Over a Stretching Surface

Turkyilmazoglu M.

JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.134, 2012 (SCI İndekslerine Giren Dergi)

- LXI. **MHD fluid flow and heat transfer with varying Prandtl numbers due to a rotating disk subject to a uniform radial electric field (Retracted article. See vol. 140, pg. 830. 2018)**
Turkyilmazoglu M.
APPLIED THERMAL ENGINEERING, cilt.35, ss.127-133, 2012 (SCI İndekslerine Giren Dergi)
- LXII. **Effects of uniform radial electric field on the MHD heat and fluid flow due to a rotating disk (Retracted article. See vol. 140, pg. 830, 2018)**
Turkyilmazoglu M.
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, cilt.51, ss.233-240, 2012 (SCI İndekslerine Giren Dergi)
- LXIII. **AN IMPLICIT SPECTRAL METHOD FOR THE NUMERICAL SOLUTION OF UNSTEADY FLOWS WITH AN APPLICATION TO ROTATING DISK FLOW AND HEAT TRANSFER**
Turkyilmazoglu M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.32, ss.99-106, 2012 (SCI İndekslerine Giren Dergi)
- LXIV. **MHD fluid flow and heat transfer due to a stretching rotating disk**
Turkyilmazoglu M.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.51, ss.195-201, 2012 (SCI İndekslerine Giren Dergi)
- LXV. **Effects of Partial Slip on the Analytic Heat and Mass Transfer for the Incompressible Viscous Fluid of a Porous Rotating Disk Flow**
Turkyilmazoglu M.
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- LXVI. **An Optimal Analytic Approximate Solution for the Limit Cycle of Duffing-van der Pol Equation**
Turkyilmazoglu M.
JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME, cilt.78, 2011 (SCI İndekslerine Giren Dergi)
- LXVII. **Heat and Mass Transfer on the MHD Fluid Flow Due to a Porous Rotating Disk With Hall Current and Variable Properties**
Turkyilmazoglu M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.133, 2011 (SCI İndekslerine Giren Dergi)
- LXVIII. **Heat and Mass Transfer on the Unsteady Magnetohydrodynamic Flow Due to a Porous Rotating Disk Subject to a Uniform Outer Radial Flow**
Turkyilmazoglu M.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, cilt.132, 2010 (SCI İndekslerine Giren Dergi)
- LXIX. **NUMERICAL COMPUTATION OF UNSTEADY FLOWS WITH AN IMPLICIT SPECTRAL METHOD OVER A DISK IN STILL AIR**
Turkyilmazoglu M.
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- LXX. **Exact Solutions Corresponding to the Viscous Incompressible and Conducting Fluid Flow Due to a Porous Rotating Disk**
Turkyilmazoglu M.
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Desteklenen Projeler

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TÜRKYILMAZOĞLU M., Yükseköğretim Kurumları Destekli Proje, Lineer Olmayan Sistem denklemlerinin Homotopi yöntemi ile çözümü, 2016 - 2017

TÜRKYILMAZOĞLU M., Yükseköğretim Kurumları Destekli Proje, Püskürtmeli ısı geçiren plakanın ısı transferi analizi,

2016 - 2017

TÜRKYILMAZOĞLU M., Yükseköğretim Kurumları Destekli Proje, Akışkanlar Mekaniğindeki Güncel Gelişmeler Üzerine 6. Uluslararası Konferans, 2015 - 2016

Atıflar

Toplam Atıf Sayısı (WOS):1767

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