Asst. Prof. EBUTALİB ÇELİK

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2019
Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2014
Undergraduate, Zonguldak Bülent Ecevit University, Faculty Of Arts And Scıences, Turkey 2006 - 2011

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Köşe civarındaki akış modelleri ve Z-şeklindeki kaviti içerisindeki girdap oluşumuna etkisi, Erciyes University, Fen Bilimleri Enstitüsü, -, 2019
Postgraduate, Köşe civarındaki singüler noktaların eşleştirme yöntemiyle çözümü, Erciyes University, Fen Bilimleri Enstitüsü, 2014

Research Areas

Computational fluid dynamics, Differential Equations, Numerical Analysis

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Bilgisayar Teknolojileri, 2021 - Continues
Research Assistant, Erciyes University, Fen Fakültesi, 2012 - 2021

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Çanakkale Teknik Bilimler Meslek Yüksek Okulu, Bilgisayar

Teknolojileri, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Solution of MHD-stokes flow in an L-shaped cavity with a local RBF-supported finite difference**
Çelik E., Gürbüz Çaldağ M.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.158, pp.356-363, 2024 (SCI-Expanded)

II. **Streamline analysis of MHD flow in a double lid-driven cavity**
ÇELİK E., Gürbüz-Çaldağ M.
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, vol.238, no.1, pp.64-74, 2024 (SCI-Expanded)

III. **Stokes flow in lid-driven cavity under inclined magnetic field**
Çelik E., Gürbüz Çaldağ M.
ARCHIVES OF MECHANICS, vol.74, no.6, pp.549-564, 2022 (SCI-Expanded)

IV. **Effect of the Hartmann number on MHD Stokes flow in a lid-driven cavity**
Çelik E.
Magnetohydrodynamics, vol.57, no.4, pp.423-436, 2021 (SCI-Expanded)

V. **Flow topology in an L-shaped cavity with lids moving in the same directions**
DELİCEOĞLU A., Bozkurt D., Celik E.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.43, no.15, pp.8317-8326, 2020 (SCI-Expanded)

VI. **Singular treatment of viscous flow near the corner by using matched eigenfunctions**
DELİCEOĞLU A., Celik E., Gurcan F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.233, no.5, pp.1660-1676, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **Stokes Flow in a Z-Shaped Cavity With Moving Upper Lid**
ÇELİK E., LUZUM M., DELİCEOĞLU A.
Karaelmas Fen ve Mühendislik Dergisi, vol.11, no.1, pp.12-21, 2021 (Peer-Reviewed Journal)

II. **Flow Patterns and Bifurcations in a Z-Shaped Cavity**
ÇELİK E.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.408-419, 2020 (Peer-Reviewed Journal)

III. **A Mechanism of Eddy Generation in A Single Lid-Driven T-Shaped Cavity**
DELİCEOĞLU A., ÇELİK E.
Cumhuriyet Science Journal, vol.40, no.3, pp.583-594, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **RBF SOLUTIONS OF STEADY FLOW IN A DOUBLE LID-DRIVEN CAVITY EXPOSED TO MAGNETIC FIELD**
ÇELİK E., GÜRBÜZ ÇALDAĞ M.
10th International Congress on Fundamental and Applied Sciences, 06 June 2023

II. **MHD Flow in a Constricted Lid-driven Cavity**
Çelik E., Gürbüz Çaldağ M.
5th International ONLINE Conference on Mathematical Advances and Applications, İstanbul, Turkey, 11 - 14 May 2022, pp.131

III. **Impacts of Inclined Magnetic Field on Stokes Flow**
Çelik E., Gürbüz M.

8th International Congress on Fundamental and Applied Science, Antalya, Turkey, 19 - 21 October 2021, pp.1-2

IV. **Effect of Hartmann Number on MHD-Stokes Flow in a Lid-Driven Cavity**
Çelik E.
4th INTERNATIONAL E-CONFERENCE ON MATHEMATICAL ADVANCES AND ITS APPLICATIONS, İstanbul, Turkey, 26 - 29 May 2021

V. **Üst Kapağı Hareketli Z-Şeklindeki Kaviti İçerisindeki Akış Yapıları**
ÇELİK E., LUZUM M., DELİCEOĞLU A.
14. Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019

VI. **Flow Topology in an L-Shaped Cavity with Lids Moving in the Same Directions**
DELİCEOĞLU A., Bozkurt D., ÇELİK E.
International Conference on Mathematics (ICOM-2018), İstanbul, Turkey, 3 - 06 July 2018

VII. **An investigation of a boundary layer separation near a re-entrant corner**
DELİCEOĞLU A., ÇELİK E.
International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 May 2017

VIII. **Separated Flow Structures in a Z-Shaped Cavity**
ÇELİK E., DELİCEOĞLU A., GÜRCAN F.
International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 May 2017

IX. **Streamline topology of vortex breakdown bubbles near the re-entrant corner**
DELİCEOĞLU A., ÇELİK E.
4. International Conference on Recent Advances in Pure and Applied Mathematics, 11 - 15 May 2017

X. **Topological Behavior of Viscous Flow Near a Corner by Using Matched Eigenfunctions**
DELİCEOĞLU A., ÇELİK E., GÜRCAN F.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM15), İstanbul, Turkey, 8 - 12 June 2015

XI. **Köşe Civarında Singüler Noktaların Eşleştirme Yöntemiyle Çözümü**
ÇELİK E., DELİCEOĞLU A.
9. Ankara Matematik Günleri, Ankara, Turkey, 12 - 13 June 2014

Supported Projects

Çelik E., Project Supported by Higher Education Institutions, TOPOLOGICAL REVIEW OF MHD STOKES FLOW IN THE RECTANGULAR REGION, 2020 - 2021
Çelik E., Project Supported by Higher Education Institutions, FLOW STRUCTURES IN T-SHAPED CAVITY WITH HORIZONTAL LIDS MOVING IN THE SAME DIRECTION, 2020 - 2021

Metrics

Publication: 20
Citation (WoS): 1
Citation (Scopus): 5
H-Index (WoS): 1
H-Index (Scopus): 2