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Personal Information

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Education Information

Doctorate, Middle East Technical University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2004 - 2011

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Research Areas

Mathematics, Differential Equations, Partial Differential Equations, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2012 - 2017

Research Assistant, Gazi University, Fen Fakültesi, Matematik Bölümü, 2005 - 2012

Professional Experience

Erasmus Coordinator, Gazi University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Courses

Differential Equations , Under Graduate, 2016 - 2017

Mathematics I, Under Graduate, 2016 - 2017

Diferensiyel Denklemler, Under Graduate, 2016 - 2017

Araştırma Projesi, Under Graduate, 2016 - 2017

Advising Theses

ÇIBİK A. B. , Black Scholes denkleminin sonlu eleman çözümleri, Post Graduate, C.ASAR(Student), 2019

ÇIBIK A. B. , The Finite Element Solution Of Convection-Diffusion-Reaction Type Equations, Post Graduate, M.YILDIRIM(Student), 2016

ÇIBIK A. B. , Solution Of Some Partial Differential Equations By Finite Difference Method., Post Graduate, T.FIRAT(Student), 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A second order decoupled penalty projection method based on deferred correction for MHD in Elsasser variable**
Erkmen D., Kaya S., Cibik A. B.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.371, 2020 (Journal Indexed in SCI)
- II. **Analysis of Second Order Time Filtered Backward Euler Method for MHD Equations**
Cibik A. B. , Eroğlu F. G. , Kaya S.
JOURNAL OF SCIENTIFIC COMPUTING, vol.82, no.2, 2020 (Journal Indexed in SCI)
- III. **LONG TIME STABILITY OF A LINEARLY EXTRAPOLATED BLENDED BDF SCHEME FOR MULTIPHYSICS FLOWS**
Cibik A. B. , Eroğlu F. G. , Kaya S.
INTERNATIONAL JOURNAL OF NUMERICAL ANALYSIS AND MODELING, vol.17, pp.24-41, 2020 (Journal Indexed in SCI)
- IV. **A family of second order time stepping methods for the Darcy-Brinkman equations**
Cibik A. B. , DEMİR M., Kaya S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.472, no.1, pp.148-175, 2019 (Journal Indexed in SCI)
- V. **Variational multiscale method for the optimal control problems of convection-diffusion-reaction equations**
ÇIBIK A. B. , YILMAZ F. N.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.1, pp.164-180, 2018 (Journal Indexed in SCI)
- VI. **A projection-based variational multiscale method for the optimal control problems governed by the stationary Navier-Stokes equations**
YILMAZ F. N. , Cibik A. B.
APPLIED NUMERICAL MATHEMATICS, vol.106, pp.116-128, 2016 (Journal Indexed in SCI)
- VII. **The effect of a sparse grad-div stabilization on control of stationary Navier-Stokes equations**
Cibik A. B.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.437, no.1, pp.613-628, 2016 (Journal Indexed in SCI)
- VIII. **Finite element analysis of a projection-based stabilization method for the Darcy-Brinkman equations in double-diffusive convection**
Cibik A. B. , Kaya S.
APPLIED NUMERICAL MATHEMATICS, vol.64, pp.35-49, 2013 (Journal Indexed in SCI)
- IX. **A projection-based stabilized finite element method for steady-state natural convection problem**
Cibik A. B. , Kaya S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.381, no.2, pp.469-484, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Brezzi Pitkaranta stabilization and a priori error analysis for the Stokes Control**
ÇIBIK A. B. , YILMAZ F. N.
An international journal of optimization and control, vol.7, no.1, pp.75-82, 2017 (Refereed Journals of Other

Institutions)

Books & Book Chapters

I. Çözümlü Diferensiyel Denklemler Problemleri

ÇEKİM B., İÇÖZ G., ÇİBIK A. B.

ders zamanı, Ankara, 2019

Refereed Congress / Symposium Publications in Proceedings

I. Curvature Stabilization and Thermally Driven Flows

ÇİBIK A. B.

8TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Baku, Azerbaijan, 27 - 30 August 2019

II. A Numerical Study of Second Order Time Stepping Methods for the Boussinesq Equations

DEMİR M., ÇİBIK A. B., KAYA MERDAN S.

BEYOND: Workshop on Computational Science and Engineering, Turkey, 20 - 21 October 2018

III. Numerical analysis of a Family of Second Order Time Stepping Methods for Boussinesq Equations

ÇİBIK A. B., DEMİR M., KAYA MERDAN S.

World Congress on Engineering 2018, 4 - 06 July 2018, vol.1, pp.56-59

IV. Doğal Konveksiyon Problemleri için ikinci Mertebeden Zaman Adımlamas Yöntemleri Ailesinin Sayısal Analizi

DEMİR M., ÇİBIK A. B., KAYA MERDAN S.

13. Ankara Matematik Günleri, Turkey, 27 - 28 May 2018

V. Konveksiyon-difüzyon-reaksiyon denkleminin optimal kontrolü için izdüşüm esaslı varyasyonel çoklu ızgarayöntemi

ÇİBIK A. B.

II. Uluslararası Multidisipliner Çalışmaları Kongresi, 4 - 05 May 2018

VI. Konveksiyon Difüzyon Reaksiyon Denklemleri için Sonlu Elemanlar Yöntemi

Yıldırım M., ÇİBIK A. B.

11. Ankara matematik günleri, Ankara, Turkey, 26 - 27 May 2016

VII. The effect of a sparse grad div stabilization on control of stationary Navier Stokes equations

ÇİBIK A. B.

International Conference on Scientific Computation and Differential Equations 2015, Potsdam, Germany, 14 - 18 September 2015

VIII. Finite element analysis of IMEX methods for the incompressible non isothermal flows

ÇİBIK A. B.

The 3rd international conference on complex dynamical systems, Ankara, Turkey, 24 - 26 November 2014

IX. A finite element error analysis for the natural convection equations with an infinite Prandtl number

ÇİBIK A. B., KAYA MERDAN S.

International Conference on Applied Analysis and Algebra 2011, İstanbul, Turkey, 29 June - 02 July 2011

X. Doğal konveksiyon problemi için iki seviyeli metodun nümerik analizi

ÇİBIK A. B.

5. Ankara Matematik Günleri, Ankara, Turkey, 3 - 04 June 2010

Supported Projects

Çıbık A. B., Kaya Merdan S., TÜBİTAK Project, Manyetik Alan Etkisi Altındaki Çift Yayınimli Doğal Konveksiyon Problemi

İçin İkinci Mertebe Zaman Adımlaması Yöntemleri Ailesi, 2019 - 2020

Çıbık A. B. , EU Supported Other Project, Ankara daki Genç Sağlık Ara Elemanlarının İstihdamı, 2009 - 2009

Citations

Total Citations (WOS):88

h-index (WOS):3