

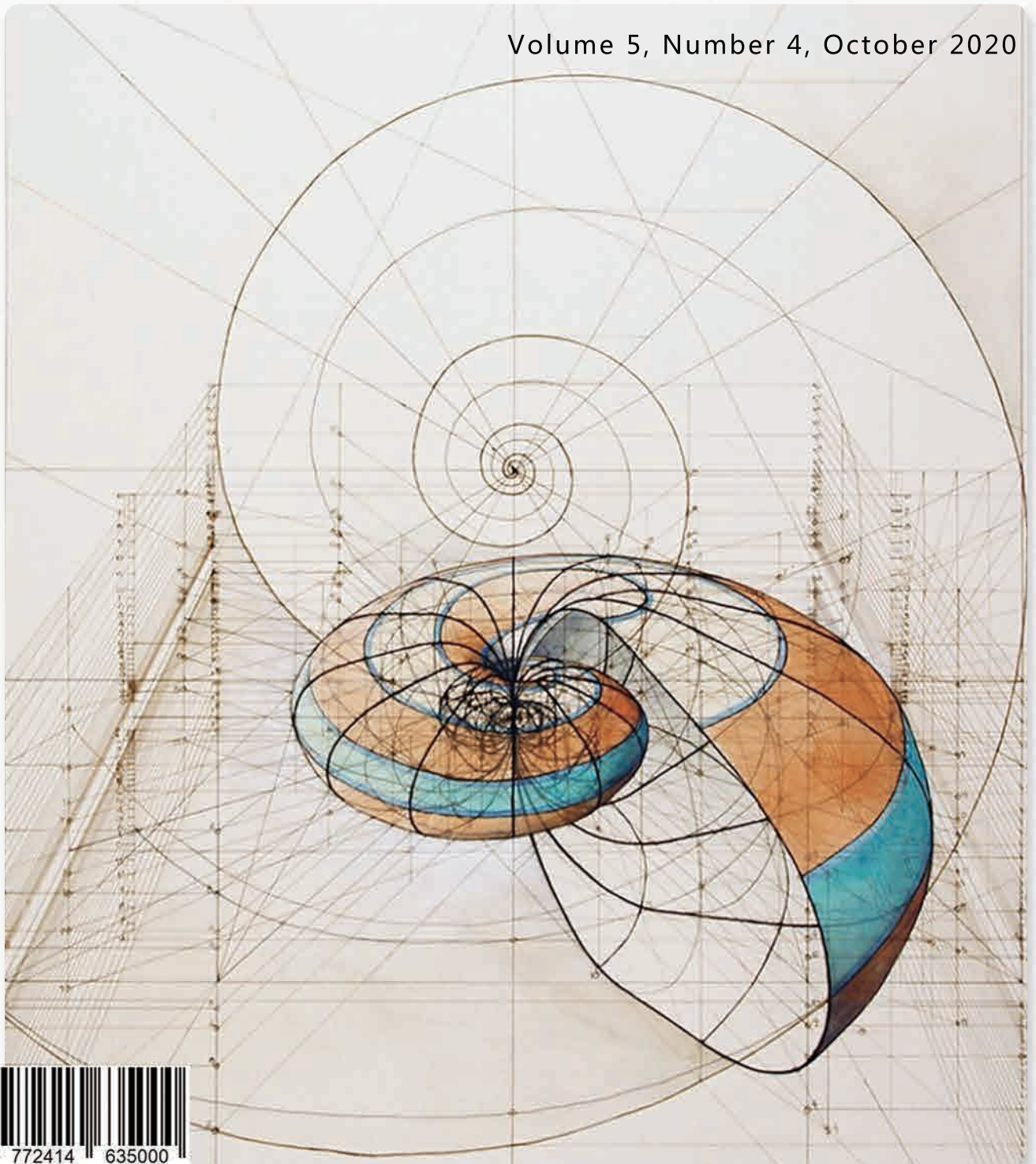


ISAAC SCIENTIFIC  
PUBLISHING

ISSN(Online): 2414-4754 ISSN(Print): 2414-6358

JOURNAL OF ADVANCES IN  
**APPLIED  
MATHEMATICS**

Volume 5, Number 4, October 2020



## TABLE OF CONTENTS

Volume 5    Number 4

October 2020

<b>Least-Squares Method of <math>EQ^{rot}_1</math> Nonconforming Finite Element for Convection-Diffusion Problems</b> Zhiyun Yu, Dongyang Shi, Huiqing Zhu .....	139
<b>Lebesgue Function for Higher Order Hermite-Fej'er Interpolation Polynomials with Exponential-Type Weights</b> Ryozi SAKAI.....	146
<b>Research on Permanent Magnet Synchronous Motor Speed Control System Based on Three-Order Linear Active Disturbance Rejection Controller</b> Zhipeng Chen, Huazhang Wang, Wei Zheng .....	159

## Journal of Advances in Applied Mathematics (JAAM)

### EDITOR-IN-CHIEF

Prof. Wanyang Dai Nanjing University, China

### Honorary Editorial Board

Prof. H. M. Srivastava University of Victoria, Canada

Prof. Ravi P. Agarwal Texas A&M University-Kingsville, USA

### EDITORIAL BOARD

Dr. S. P. Yung The University of Hong Kong, Hong Kong (China)

Prof. Themistocles M. Rassias National Technical University of Athens, Greece

Prof. Tianxiao He Illinois Wesleyan University, USA

Prof. José Luis López-Bonilla National Polytechnic Institute, Mexico

Prof. Jun Hu Harbin University of Science and Technology, China

Prof. H. M. Srivastava University of Victoria, Canada

Prof. Wen-Xiu Ma University of South Florida, USA

Prof. Kumar K. Tamma University of Minnesota, USA

Prof. Allaberen Ashyralyev Fatih University, Turkey

Prof. Tien-Chien Jen University of Johannesburg, South Africa

Dr. Michael Th. Rassias Princeton University, USA

Dr. Zeyad Al-Zhour University of Dammam, Saudi Arabia

Prof. M. A. Abdou Alexandria University, Egypt

Prof. Tingzhu Huang University of Electronic Science and Technology of China,  
China

Dr. Safeer Hussain Khan Qatar University, Qatar

Prof. Quanxin Zhu Nanjing Normal University, China

Dr. Abbas Amini Western Sydney University, Australia

Prof. PRAVEEN AGARWAL Anand International College of Engineering, India

Dr. Vishnu Narayan Mishra Indira Gandhi National Tribal University, India

Prof. Lakshmi Narayan Mishra Vellore Institute of Technology (VIT) University, India

Dr. Deepmala PDPM Indian Institute of Information Technology,

Design and Manufacturing, India

### SUBSCRIPTIONS

Journal of Advances in Applied Mathematics (JAAM) (Online at [www.isaacpub.org](http://www.isaacpub.org)) is published quarterly by Isaac Scientific Publishing. For printed journal subscription, please contact: [service@isaac-scientific.org](mailto:service@isaac-scientific.org)

Subscription rates: \$29 per issue (by air mail)

**ADVERTISEMENTS & REPRINTS**

For advertisements and reprints affairs, please contact: [service@isaacpub.org](mailto:service@isaacpub.org)

The reprints require a minimum quantity of 50 copies.

**PUBLISHER**

Isaac Scientific Publishing Co., Limited

Unit 04, 7/F Bright Way Tower, No. 33 Mong Kok Rd., KL, Hong Kong(China)