

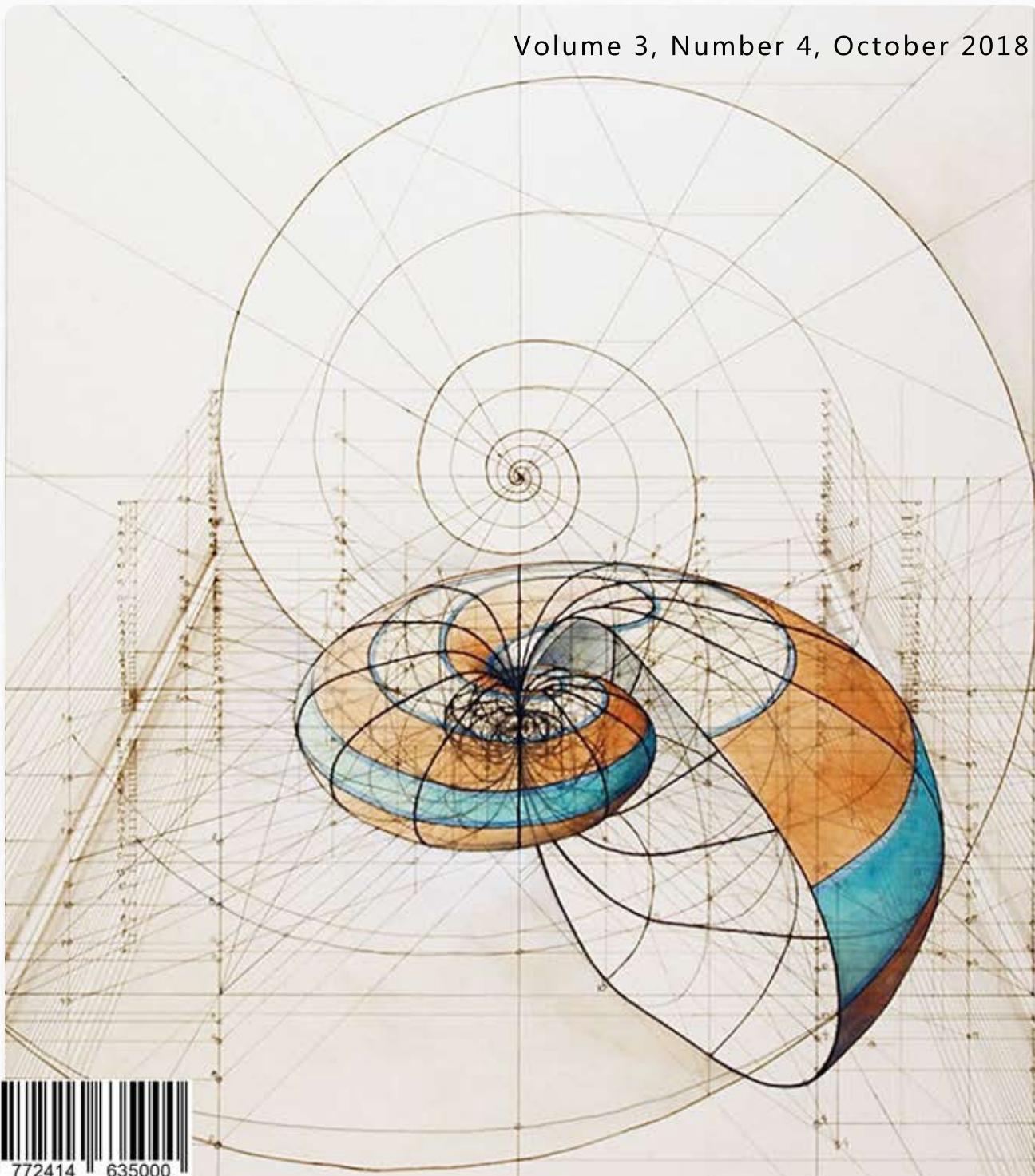


ISAAC SCIENTIFIC  
PUBLISHING

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

JOURNAL OF ADVANCES IN  
**APPLIED  
MATHEMATICS**

Volume 3, Number 4, October 2018



9 772414 635000

## TABLE OF CONTENTS

Volume 3 Number 4

October 2018

### Synchronization of a Double Pendulum with Moving Pivots: A Study of the Spectrum

Federico Talamucci ..... 109

### A New Solution to the Heat Equation in One-Dimension

Clement Boateng Ampadu ..... 124

### Solving Linear Programming Problems with Fuzzy Data

Michael Gr. Voskoglou ..... 127

### Cooperative Group Behavior Research Based on Lattice

Linlin Shen, Jingbo Zhou, Longcheng Xing, Xiaodong Pan, Yu Zhang ..... 139

### Study on Aerodynamic Characteristics of the Height of Guide Bar of the Simple Rear View

Longcheng Xing, Linlin Shen, Xiaodong Pan, Jingbo Zhou, Fuqiang Sun ..... 146

### A Study of the Education Return Based on R Language and Regression Analysis

Xinfeng Li, Hao Deng ..... 158

### Stationary Distribution and Periodic Solution for the Stochastic Chemostat with Perturbations on Multiple Parameters

Zhen Li ..... 166

# **Journal of Advances in Applied Mathematics (JAAM)**

## **EDITOR-IN-CHIEF**

**Prof. Wanyang Dai**

Nanjing University, China

## **EDITORIAL BOARD**

<b>Dr. S. P. Yung</b>	The University of Hong Kong, Hong Kong (China)
<b>Prof. Themistocles M. Rassias</b>	National Technical University of Athens, Greece
<b>Prof. Tianxiao He</b>	Illinois Wesleyan University, USA
<b>Prof. José Luis López-Bonilla</b>	National Polytechnic Institute, Mexico
<b>Prof. Jun Hu</b>	Harbin University of Science and Technology, China
<b>Prof. H. M. Srivastava</b>	University of Victoria, Canada
<b>Prof. Wen-Xiu Ma</b>	University of South Florida, USA
<b>Prof. Kumar K. Tamma</b>	University of Minnesota, USA
<b>Prof. Allaberen Ashyralyev</b>	Fatih University, Turkey
<b>Prof. Tien-Chien Jen</b>	University of Johannesburg, South Africa
<b>Dr. Michael Th. Rassias</b>	Princeton University, USA
<b>Dr. Zeyad Al-Zhour</b>	University of Dammam, Saudi Arabia
<b>Prof. M. A. Abdou</b>	Alexandria University, Egypt
<b>Prof. Tingzhu Huang</b>	University of Electronic Science and Technology of China, China
<b>Dr. Safeer Hussain Khan</b>	Qatar University, Qatar
<b>Prof. Quanxin Zhu</b>	Nanjing Normal University, China
<b>Dr. Abbas Amini</b>	Western Sydney University, Australia
<b>Prof. A. Jeribi</b>	<b>University of Sfax, Tunisia</b>

## **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)