

SAHİBİ

Hacettepe Üniversitesi
Fen Fakültesi Adına
Dekan

OWNER

On behalf of Hacettepe
University Science Faculty
Dean

Ali Kalaycıoğlu

EDITORIAL BOARD

EDITOR : Gürol Okay

ASSOCIATE EDITOR : Lawrence M. Brown

MEMBERS

G. C. L Brümmer (Cape Town)

Brian Fisher (Leicester)

Varga Kalantarov (Koç, Istanbul)

Ralph D. Kopperman (CUNY)

Patrick Smith (Glasgow)

Kamal Soltanov (Hacettepe)

CONTRIBUTIONS TO THIS EDITION

Fahrettin Aslan

Ceyhan İnal

Yusuf Avcı

Turgay Kaptanoğlu

Aydın Aytuna

Ergun Karağaoğlu

Gülay B. Kiroğlu

Reşat Kasap

Ali Bülbül

Zehra Muluk

Salih Çelebioğlu

Fikri Öztürk

Mülüm Ekni

Arif Sabuncuoğlu

M. Aydın Erar

Tülay Saraçbaşı

F. Gül Ergün

Kenan Taş

Erdoğan Esin

Hüseyin Tatlıdil

A. Haydar Eş

Mustafa Telci

Hamza Gamgam

Öniz Toktamış

Soner Gönen

Taylan Ula

CONTENTS

PREFACE	i
----------------------	----------

Mathematics

N. Cengiz and A. A. Salimov <i>Geodesics in the Tensor Bundle of Diagonal Lifts</i>	1
S. Yalçın, M. Öztürk and M. Yamankaradeniz <i>A new subclass of Harmonic Mappings with Positive Real Part</i>	13
S. Jain and B. Fisher <i>A Related Fixed Point Theorem for Three Metric spaces</i>	19
T. H. Yalvaç <i>Unification of some Separation Axioms</i>	25

Statistics

İ. Akhisar and A. Bener <i>Hierarchy Analysis of Three- Way Tables</i>	37
H. Bayrak and A. Alhan <i>On the Construction of Orthogonal Arrays</i>	45
H. Bayrak and S. Gönen <i>Geometrical Structure of Dual Designs</i>	53
H. Bayrak and A. Alhan <i>On the Construction of 2-Symbol Orthogonal Arrays</i>	57
A. Yardımcı and A. Erar <i>Bayesian Variable Selection in Linear Regression and a Comparison</i>	63
U. Ekiz <i>A Bayesian Method to Detect Outliers in Multivariate Linear Regression</i>	77
S. Aktaş and M. Çetin <i>M- Estimators of the Uniform Association Model in $R \times C$ Contingency Tables</i>	83
M. C. Çetin and A. Erar <i>Variable Selection with Akaike Information Criteria : A Comparative Study</i>	89
Ö. Yeniay and A. Göktaş <i>A Comparison of Partial Least Squares Regression with other Prediction Methods</i>	99

CONTENTS

A. Erar

Bibliometrics or Informetrics : Displaying Regularity in Scientific Patterns by using statistical Distributions113

C. Kadilar and C. Erdemir

Comparison of Performance among Information Criteria in VAR and Seasonal VAR Models127

B. Altunkaynak and M. Ekni

Detection of Influential Observation Vectors for Multivariate Linear Regression139

Obituary : Prof. Dr. Doğan Çoker (1951 – 2003)153

Announcement : Special Issue in Memory of Prof. Dr. Doğan Çoker153