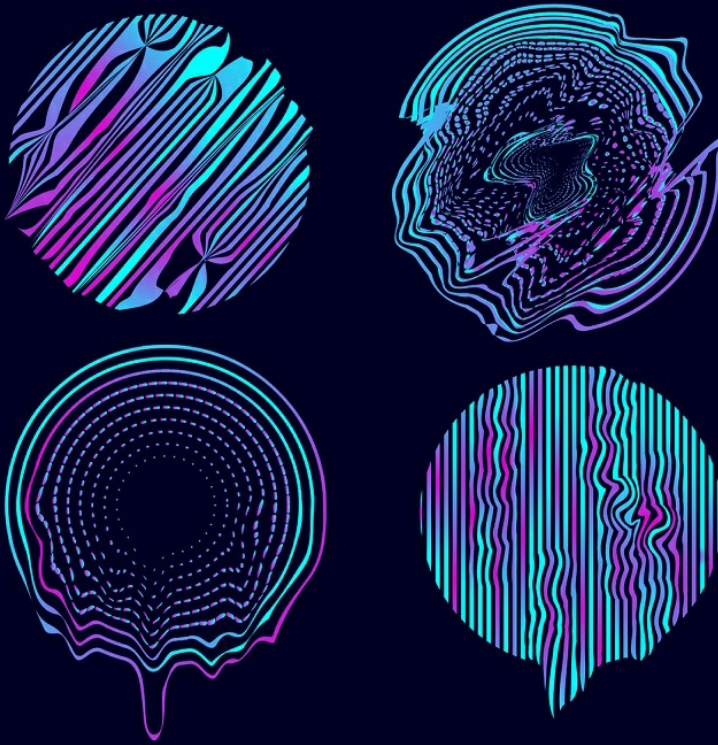


Applied Mathematics

Interdisciplinary Applications of Mathematics

Mathematical Models in Engineering



Editor in Chief

Minvydas Ragulskis Kaunas University of Technology, (Lithuania) minvydas.ragulskis@ktu.lt

Editorial Board

Hojjat Adeli The Ohio State University, (USA) adeli.1@osu.edu

Tahir Cetin Akinci Istanbul Technical University, (Turkey) cetinakinci@hotmail.com

Mahmoud Bayat Roudehen Branch, Islamic Azad University, (Iran) mbayat14@yahoo.com

Rafał Burdzik Silesian University of Technology, (Poland) rafal.burdzik@polsl.pl

Maosen Cao Hohai University, (China) cmszhy@hhu.edu.cn

Jinde Cao Southeast University, (China) jdcao@seu.edu.cn

Sezgin Ersoy Technische Universität Braunschweig, (Germany) sersoy@marmara.edu.tr

Hee-Chang Eun Kangwon National University, (Korea) heechang@kangwon.ac.kr

W. H. Hsieh National Formosa University, (Taiwan) allen@nfu.edu.tw

Vassilis Kappatos Center for Research and Technology Hellas, (Greece) vkappatos@certh.gr

Sunil Kumar National Institute of Technology, (India) skumar.math@nitjsr.ac.in

Giedrius Laukaitis Kaunas University of Technology, (Lithuania) giedrius.laukaitis@ktu.lt

Petr Lepšík Technical University of Liberec, (Czech Republic) petr.lepsik@tul.cz

Chen Lu Beihang University, (China) luchen@buaa.edu.cn

Guang-qing Lu School of Intelligent Systems Science and Engineering, Jinan University, (China) tgqluyp@jnu.edu.cn

Yuxin Mao Zhejiang Gongshang University, (China) maoyuxin@zjgsu.edu.cn

Doina Pisla Technical University of Cluj-Napoca, (Romania) doina.pisla@mep.utcluj.ro

Vinayak Ranjan Bennett University, (India) vinayak.ranjan@bennett.edu.in

Julia Irene Real Politechnical University of Valencia, (Spain) jureaher@tra.upv.es

Eligijus Sakalauskas Kaunas University of Technology, (Lithuania) eligijus.sakalauskas@ktu.lt

G. Eduardo Sandoval-Romero The National Autonomous University of Mexico, (Mexico) eduardo.sandoval@ccadet.unam.mx

Reza Serajian University of California, (USA) rsera004@ucr.edu

Shigeki Toyama Tokyo A&T University, (Japan) toyama@cc.tuat.ac.jp

Agnieszka Wylomanska Wrocław University of Technology, (Poland) agnieszka.wylomanska@pwr.edu.pl

Xiao-Jun Yang China University of Mining and Technology, (China) dyangxiaojun@163.com

MME Mathematical Models in Engineering

Aims and Scope

MME publishes mathematical results which have relevance to engineering science and technology. Formal descriptions of mathematical models related to engineering problems, as well as results related to engineering applications are equally encouraged.

Applications of mathematical models in financial engineering, mechanical and aerospace engineering, bioengineering, chemical engineering, computer engineering, electrical engineering, industrial engineering and manufacturing systems, nonlinear science and technology are especially encouraged.

Mathematical models of interest include, but are not limited to, ordinary and partial differential equations, nonlinear analysis, stochastic processes, calculus of variations, operations research.

All published papers are peer reviewed and crosschecked by plagiarism detection tools.

More information is available online <https://www.extrica.com/journal/mme>

The journal material is referred:

Scopus: ELSEVIER Bibliographic Database

EBSCO: Discovery Services (Complementary Index)

Gale Cengage Learning:

Academic OneFile Custom Periodical

Computer Database

Science in Context

Scilit: <https://www.scilit.net>

Asian Science Citation Index (ASCI): <https://ascidatabase.com>

Dimensions: <https://www.dimensions.ai>

Semantic Scholar: <https://www.semanticscholar.org>

Google Scholar: <https://scholar.google.com>

JGate: <https://jgateplus.com>

CORE: <https://core.ac.uk>

BASE (Bielefeld Academic Search Engine): <https://www.base-search.net>

Ulrich's Periodicals Directory: <https://ulrichsweb.serialssolutions.com>

CNKI Scholar: <http://eng.scholar.cnki.net>

cnPLINKer (CNPIEC): <http://cnlinker.cnpeak.com>

WanFang Data: <https://www.wanfangdata.com.cn>

TDNet: <https://www.tdnet.io>

MIAR, Universitat de Barcelona: <https://miar.ub.edu>

JournalTOCs: <https://www.journaltoocs.ac.uk>

WorldCat Discovery Services: <https://www.oclc.org/en/worldcat-discovery.html>

MyScienceWork: <https://www.mysciencework.com>

Crossref: <https://search.crossref.org>

Content is archived in **Martynas Mazvydas National Library of Lithuania**

Internet: <https://www.extrica.com>

E-mail: publish@extrica.com

Publisher: JVE International Ltd., Geliu ratas 15A, LT-50282, Kaunas, Lithuania

MIME

Mathematical
Models in
Engineering

SEPTEMBER 2023. VOLUME 9, ISSUE 3, PAGES (102-114), ISSN PRINT 2351-5279, ISSN ONLINE 2424-4627

Contents

A NOVEL MODEL FOR PREDICTING TENACITY AND UNEVENNESS OF RING-SPUN YARN: A SPECIAL CASE IN TEXTILE ENGINEERING VALENTINUS GALIH VIDIA PUTRA, JULIANY NINGSIH MOHAMAD	102
ERRATUM. DOMINATOR COLORING OF TOTAL GRAPH OF PATH AND CYCLES	113

SHORT DESCRIPTION ABOUT THIS CATEGORY

Mathematical modelling helps to create a mathematical representation of a real-world scenario to make a prediction or provide insight into the complex behavior of real-world systems. The journal publishes mathematical results which have relevance to engineering science and technology. Mathematical models of interest include, but are not limited to, ordinary and partial differential equations, nonlinear analysis, stochastic processes, calculus of variations, and operations research.

