

Mathematical Models in Engineering

ISSN 2351-5279
ISSN Online 2424-4627
2021 | VOL 7 | ISSUE 4

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
Rafal Burdzik	Silesian University of Technology, (Poland)	rafal.burdzik@polsl.pl
Jinde Cao	Southeast University, (China)	jdeao@seu.edu.cn
Maosen Cao	Hohai University, (China)	cmszhy@hhu.edu.cn
Sezgin Ersoy	Marmara University, (Turkey)	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
Kazimieras Ragulskis	Lithuanian Academy of Sciences, (Lithuania)	k.ragulskis@jve.lt
Vinayak Ranjan	Bennett University, (India)	vinayak.ranjan@bennett.edu.in
Julia Irene Real	Politecnical 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	Wroclaw 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.jvejournals.com>

The journal material is referred:

EBSCO: Discovery Services (Complementary Index)

GALE Cengage Learning: Academic OneFile Custom Periodical;
Computer Database;
Science in Context.

DIRECTORY OF OPEN ACCESS JOURNALS (DOAJ): <https://doaj.org>

SEMANTIC SCHOLAR: <https://www.semanticscholar.org>

GOOGLE SCHOLAR: <https://scholar.google.com>

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

JGate: <https://jgateplus.com>

1findr: <https://1findr.1science.com>

ULRICH'S PERIODICALS DIRECTORY: <https://ulrichsweb.serialssolutions.com>

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

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

cnpLINKer (CNPPEC): <http://cnplinker.cnpeak.com>

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

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

CROSSREF: <https://www.crossref.org>

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

E-mail: publish@jvejournals.com

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

Contents

ANALYSIS OF THE VEHICLE: APPLYING FINITE ELEMENT METHOD OF 3D DATA	63
FERHAT OZCAN, SEZGIN ERSOY	
ELECTROLYTIC PLASMA POLISHING OF NiTi ALLOY	70
A. KOROLYOV, A. BUBULIS, J. VÉŽYS, YU ALIAKSEYEU, V. MINCHENYA, V. NISS, D. MARKIN	



JVE INTERNATIONAL