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)  jdcao@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 Lepšik  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)  tggluyp@jnu.edu.cn
Yuxin Mao  Zhejiang Gongshang University, (China)  maoyuxin@zgsu.edu.cn
Doina Pisla  Technical University of Cluj-Napoca, (Romania)  doina.pisla@me.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
Eeligijus Sakalauskas  Kaunas University of Technology, (Lithuania)  eligijus.sakalauskas@ktu.lt
G. Eduardo Sandoval-Romero  The National Autonomous University of Mexico, (Mexico)  eduardo.sandoval@ecadet.unam.mx
Reza Serajian  University of California, (USA)  rsra004@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.extrica.com/journal/mme

The journal material is referred:

EBSCO: Discovery Services (Complementary Index)
Gale Cengage Learning:
  Academic OneFile Custom Periodical
  Computer Database
  Science in Context
Scilit: https://www.scilit.net
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
cnpiLinker (CNPIEC): http://cnplinker.cnpeak.com
TDNet: https://www.tdnet.io
MIAR, Universitat de Barcelona: https://miar.ub.edu
JournalTOCs: https://www.journaltocs.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

ISSN PRINT 2351-5279, ISSN ONLINE 2424-4627
Contents

APPLICATION OF A* ALGORITHM IN INTELLIGENT VEHICLE PATH PLANNING 82
Ruili Wang, Zhizhan Lu, Yunfeng Jin, Chao Liang

ANALYSIS OF ELECTROMAGNETIC CHARACTERISTIC IN THE INTERIOR PERMANENT MAGNET BRUSHLESS DC MOTOR 91
Zhengyang Li, Yi Wan, Yan Xia, Fangbin Gong, Qiang Wang, Fei Chen