

AMM

ISSN 0253-4827

CN 31-1650/O1

CODEN AMMEEQ



QK2149978

APPLIED MATHEMATICS AND MECHANICS

(ENGLISH EDITION)



Vol. 42 No. 11 Nov. 2021

应用数学和力学 (英文版)

AMM Editorial Office of AMM



Springer



万方数据

APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)

应用数学和力学(英文版)

CONTENTS

Commenced in May 1980

Vol. 42 No. 11 Nov. 2021 (Monthly)

A new tunable elastic metamaterial structure for manipulating band
gaps/wave propagation (1543)
Zhenyu WANG, Zhaoyang MA, Xingming GUO, Dongsheng ZHANG
Bandgaps and vibration isolation of local resonance sandwich-like
plate with simply supported overhanging beam (1555)
Chenxu QIANG, Yuxin HAO, Wei ZHANG, Jinqiang LI,
Shaowu YANG, Yuteng CAO
Study on the static properties of spiral springs under static loading.....(1571)
Zhixiang LI, Zhen ZHAO, Caishan LIU, Qingyun WANG
On the consistency of two-phase local/nonlocal piezoelectric integral model.....(1581)
Yanming REN, Hai QING
Static response of functionally graded multilayered two-dimensional
quasicrystal plates with mixed boundary conditions (1599)
Xin FENG, Liangliang ZHANG, Yuxuan WANG, Jinming ZHANG,
Han ZHANG, Yang GAO
Complicated deformation simulating on temperature-driven 4D printed bilayer
structures based on reduced bilayer plate model.....(1619)
Junjie SONG, Yixiong FENG, Yong WANG, Siyuan ZENG,
Zhaoxi HONG, Hao QIU, Jianrong TAN
Interfacial fracture analysis for a two-dimensional decagonal quasi-crystal
coating layer structure (1633)
Minghao ZHAO, Cuiying FAN, C. S. LU, Huayang DANG
Coupling effects between elastic and electromagnetic fields from the perspective of
conservation of energy (1649)
Peng ZHOU
Optimization of heat transfer in the thermal Marangoni convective flow of
a hybrid nanomaterial with sensitivity analysis.....(1663)
J. MACKOLIL, B. MAHANTHESH
Mathematical modeling and parametric investigation of blood flow through
a stenosis artery (1675)
A. ALI, M. HUSSAIN, M. S. ANWAR, M. INC

ISSN 0253-4827
CN 31-1650/O1

Domestic: ¥ 40
Overseas: \$ 178



APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)

应用数学和力学(英文版)

CONTENTS

Commenced in May 1980

Vol. 42 No. 11 Nov. 2021 (Monthly)

A new tunable elastic metamaterial structure for manipulating band
gaps/wave propagation (1543)
Zhenyu WANG, Zhaoyang MA, Xingming GUO, Dongsheng ZHANG
Bandgaps and vibration isolation of local resonance sandwich-like
plate with simply supported overhanging beam (1555)
Chenxu QIANG, Yuxin HAO, Wei ZHANG, Jinqiang LI,
Shaowu YANG, Yuteng CAO
Study on the static properties of spiral springs under static loading.....(1571)
Zhixiang LI, Zhen ZHAO, Caishan LIU, Qingyun WANG
On the consistency of two-phase local/nonlocal piezoelectric integral model.....(1581)
Yanming REN, Hai QING
Static response of functionally graded multilayered two-dimensional
quasicrystal plates with mixed boundary conditions (1599)
Xin FENG, Liangliang ZHANG, Yuxuan WANG, Jinming ZHANG,
Han ZHANG, Yang GAO
Complicated deformation simulating on temperature-driven 4D printed bilayer
structures based on reduced bilayer plate model.....(1619)
Junjie SONG, Yixiong FENG, Yong WANG, Siyuan ZENG,
Zhaoxi HONG, Hao QIU, Jianrong TAN
Interfacial fracture analysis for a two-dimensional decagonal quasi-crystal
coating layer structure (1633)
Minghao ZHAO, Cuiying FAN, C. S. LU, Huayang DANG
Coupling effects between elastic and electromagnetic fields from the perspective of
conservation of energy (1649)
Peng ZHOU
Optimization of heat transfer in the thermal Marangoni convective flow of
a hybrid nanomaterial with sensitivity analysis.....(1663)
J. MACKOLIL, B. MAHANTHESH
Mathematical modeling and parametric investigation of blood flow through
a stenosis artery (1675)
A. ALI, M. HUSSAIN, M. S. ANWAR, M. INC

ISSN 0253-4827
CN 31-1650/O1

Domestic: ¥ 40
Overseas: \$ 178

