



QK2257852

327
01

CODEN AMMEEQ

AMM

APPLIED MATHEMATICS AND MECHANICS

(ENGLISH EDITION)



Vol. 44 No. 5 May 2023

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. 44 No. 5 May 2023 (Monthly)

A modified single edge V-notched beam method for evaluating surface fracture toughness of thermal barrier coatings (693)
Haoran BAI, Zhanyu WANG, Sangyu LUO, Zhaoliang QU, Daining FANG
Fractional nonlinear energy sinks.....(711)
Shengtao ZHANG, Jiaxi ZHOU, Hu DING, Kai WANG, Daolin XU
Nonreciprocity of energy transfer in a nonlinear asymmetric oscillator system with various vibration states (727)
Jian'en CHEN, Jianling LI, Minghui YAO, Jun LIU, Jianhua ZHANG, Min SUN
Symplectic analysis for regulating wave propagation in a one-dimensional nonlinear graded metamaterial (745)
Yunping ZHAO, Xiuhui HOU, Kai ZHANG, Zichen DENG
Vibration isolation performance analysis of a bilateral supported bio-inspired anti-vibration control system (759)
Shihua ZHOU, Dongsheng ZHANG, Bowen HOU, Zhaohui REN
Nonlocal stress gradient formulation for damping vibration analysis of viscoelastic microbeam in thermal environment (773)
Hai QING, Huidiao SONG
The quaternion beam model for hard-magnetic flexible cantilevers (787)
Wei CHEN, Guozhen WANG, Yiqun LI, Lin WANG, Zhouping YIN
Anti-plane pull-out of a rigid line inclusion from an elastic medium.....(809)
Yansong WANG, Baolin WANG, Youjiang CUI, Kaifa WANG
Revealing the contribution of basilar membrane's biological activity to the mechanism of the cochlear phonosensitive amplification.....(823)
J. Y. LIANG, Wenjuan YAO
Thermal-induced interfacial behavior of a thin one-dimensional hexagonal quasicrystal film (841)
Huayang DANG, Dongpei QI, Minghao ZHAO, Cuiying FAN, C. S. LU

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. 44 No. 5 May 2023 (Monthly)

A modified single edge V-notched beam method for evaluating surface fracture toughness of thermal barrier coatings (693)
Haoran BAI, Zhanyu WANG, Sangyu LUO, Zhaoliang QU, Daining FANG
Fractional nonlinear energy sinks.....(711)
Shengtao ZHANG, Jiaxi ZHOU, Hu DING, Kai WANG, Daolin XU
Nonreciprocity of energy transfer in a nonlinear asymmetric oscillator system with various vibration states (727)
Jian'en CHEN, Jianling LI, Minghui YAO, Jun LIU, Jianhua ZHANG, Min SUN
Symplectic analysis for regulating wave propagation in a one-dimensional nonlinear graded metamaterial (745)
Yunping ZHAO, Xiuhui HOU, Kai ZHANG, Zichen DENG
Vibration isolation performance analysis of a bilateral supported bio-inspired anti-vibration control system (759)
Shihua ZHOU, Dongsheng ZHANG, Bowen HOU, Zhaohui REN
Nonlocal stress gradient formulation for damping vibration analysis of viscoelastic microbeam in thermal environment (773)
Hai QING, Huidiao SONG
The quaternion beam model for hard-magnetic flexible cantilevers (787)
Wei CHEN, Guozhen WANG, Yiqun LI, Lin WANG, Zhouping YIN
Anti-plane pull-out of a rigid line inclusion from an elastic medium.....(809)
Yansong WANG, Baolin WANG, Youjiang CUI, Kaifa WANG
Revealing the contribution of basilar membrane's biological activity to the mechanism of the cochlear phonosensitive amplification.....(823)
J. Y. LIANG, Wenjuan YAO
Thermal-induced interfacial behavior of a thin one-dimensional hexagonal quasicrystal film (841)
Huayang DANG, Dongpei QI, Minghao ZHAO, Cuiying FAN, C. S. LU

ISSN 0253-4827
CN 31-1650/O1

Domestic: ¥ 40
Overseas: \$ 178

