



Q K 2 6 5 4 8 0 1

ISSN 0253-4827

CN 31-1650/O1

CODEN AMMEEQ

AMM

APPLIED MATHEMATICS AND MECHANICS

(ENGLISH EDITION)



Vol. 41 No. 12 Dec. 2020

应用数学和力学 (英文版)



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. 41 No. 12 Dec. 2020 (Monthly)

A review of computational modeling and deep brain stimulation:

applications to Parkinson's disease.....(1747)

Ying YU, Xiaomin WANG, Qishao WANG, Qingyun WANG

Bending analysis of magnetoelectroelastic nanoplates resting

on Pasternak elastic foundation based on nonlocal theory(1769)

Wenjie FENG, Zhen YAN, Ji LIN, C. Z. ZHANG

Free vibration characteristics of sectioned unidirectional/bidirectional functionally graded

material cantilever beams based on finite element analysis.....(1787)

N. V. VIET, W. ZAKI, Quan WANG

Size-dependent thermoelastic initially stressed micro-beam due to a varying temperature

in the light of the modified couple stress theory(1805)

A. E. ABOUELREGAL

Thermal-induced snap-through buckling of simply-supported

functionally graded beams(1821)

Yongyong XI, Qiang LYU, Nenghui ZHANG, Junzheng WU

Sliding mode synchronization between uncertain Watts-Strogatz

small-world spatiotemporal networks(1833)

Shuang LIU, Runze ZHANG, Qingyun WANG, Xiaoyan HE

Displacement of surrounding rock in a deep circular hole considering

double moduli and strength-stiffness degradation.....(1847)

Zenghui ZHAO, Wei SUN, Shaojie CHEN, Yuanhui FENG, Weiming WANG

Bifurcation and dynamic behavior analysis of a rotating

cantilever plate in subsonic airflow.....(1861)

Li MA, Minghui YAO, Wei ZHANG, Dongxing CAO

Subharmonic resonance of a clamped-clamped buckled beam with 1:1

internal resonance under base harmonic excitations(1881)

Junda LI, Jianliang HUANG

Meshless acoustic analysis using a weakly singular Burton-Miller

boundary integral formulation(1897)

Linchong CHEN, Xiaolin LI

ISSN 0253-4827

CN 31-1650/O1

Domestic: ¥ 40

Overseas: \$ 178



ISSN 0253-4827



9 770253 482205

APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)

应用数学和力学(英文版)

CONTENTS

Commenced in May 1980

Vol. 41 No. 12 Dec. 2020 (Monthly)

A review of computational modeling and deep brain stimulation:

applications to Parkinson's disease.....(1747)

Ying YU, Xiaomin WANG, Qishao WANG, Qingyun WANG

Bending analysis of magnetoelectroelastic nanoplates resting

on Pasternak elastic foundation based on nonlocal theory(1769)

Wenjie FENG, Zhen YAN, Ji LIN, C. Z. ZHANG

Free vibration characteristics of sectioned unidirectional/bidirectional functionally graded

material cantilever beams based on finite element analysis.....(1787)

N. V. VIET, W. ZAKI, Quan WANG

Size-dependent thermoelastic initially stressed micro-beam due to a varying temperature

in the light of the modified couple stress theory(1805)

A. E. ABOUELREGAL

Thermal-induced snap-through buckling of simply-supported

functionally graded beams(1821)

Yongyong XI, Qiang LYU, Nenghui ZHANG, Junzheng WU

Sliding mode synchronization between uncertain Watts-Strogatz

small-world spatiotemporal networks(1833)

Shuang LIU, Runze ZHANG, Qingyun WANG, Xiaoyan HE

Displacement of surrounding rock in a deep circular hole considering

double moduli and strength-stiffness degradation.....(1847)

Zenghui ZHAO, Wei SUN, Shaojie CHEN, Yuanhui FENG, Weiming WANG

Bifurcation and dynamic behavior analysis of a rotating

cantilever plate in subsonic airflow.....(1861)

Li MA, Minghui YAO, Wei ZHANG, Dongxing CAO

Subharmonic resonance of a clamped-clamped buckled beam with 1:1

internal resonance under base harmonic excitations(1881)

Junda LI, Jianliang HUANG

Meshless acoustic analysis using a weakly singular Burton-Miller

boundary integral formulation(1897)

Linchong CHEN, Xiaolin LI

ISSN 0253-4827

CN 31-1650/O1

Domestic: ¥ 40

Overseas: \$ 178



ISSN 0253-4827



9 770253 482205