



QK1924440

ISSN 0253-4827

CN 31-1650/O1

CODEN AMMEEQ

AMM

APPLIED MATHEMATICS AND MECHANICS

(English Edition)



Vol. 40 No. 5 May 2019

应用数学和力学 (英文版)

AMM Editorial Office of AMM

 Springer

万方数据

CONTENTS

Commenced in May 1980

Vol. 40 No. 5 May 2019 (Monthly)

Stress-induced potential barriers and charge distributions in a piezoelectric semiconductor nanofiber	(591)
Shuaiqi FAN, Yuantai HU, Jiashi YANG	
Nonlinear free vibration of piezoelectric cylindrical nanoshells	(601)
Yanqing WANG, Yunfei LIU, J. W. ZU	
Targeted energy transfer of a parallel nonlinear energy sink.....	(621)
Yimin WEI, Sha WEI, Qianlong ZHANG, Xinjian DONG, Zhike PENG, Wenming ZHANG	
Free vibration of a sagged cable with attached discrete elements.....	(631)
W. PAKOS	
Dynamical modeling and non-planar coupled behavior of inclined CFRP cables under simultaneous internal and external resonances	(649)
Houjun KANG, Tieding GUO, Weidong ZHU, Junyi SU, Bingyu ZHAO	
Swelling-induced finite bending of functionally graded pH-responsive hydrogels: a semi-analytical method	(679)
M. SHOJAEIFARD, M. R. BAYAT, M. BAGHANI	
Bifurcations in penetrative Rayleigh-Bénard convection in a cylindrical container	(695)
Chuanshi SUN, Shuang LIU, Qi WANG, Zhenhua WAN, Dejun SUN	
Centered simple waves for the two-dimensional pseudo-steady isothermal flow around a convex corner	(705)
Wancheng SHENG, Aidi YAO	
Flat-plate hypersonic boundary-layer flow instability and transition prediction considering air dissociation.....	(719)
Yufeng HAN, Wei CAO	
Study on the packed volume and the void ratio of idealized human red blood cells using a finite-discrete element method.....	(737)
Dong XU, Chunming JI, A. MUNJIZA, E. KALIVOTIS, E. AVITAL, J. WILLAMS	

ISSN 0253-4827
CN 31-1650/O1



ISSN 0253-4827
9 770253 482199 05>

CONTENTS

Commenced in May 1980

Vol. 40 No. 5 May 2019 (Monthly)

Stress-induced potential barriers and charge distributions in a piezoelectric semiconductor nanofiber	(591)
Shuaiqi FAN, Yuantai HU, Jiashi YANG	
Nonlinear free vibration of piezoelectric cylindrical nanoshells	(601)
Yanqing WANG, Yunfei LIU, J. W. ZU	
Targeted energy transfer of a parallel nonlinear energy sink.....	(621)
Yimin WEI, Sha WEI, Qianlong ZHANG, Xinjian DONG, Zhike PENG, Wenming ZHANG	
Free vibration of a sagged cable with attached discrete elements.....	(631)
W. PAKOS	
Dynamical modeling and non-planar coupled behavior of inclined CFRP cables under simultaneous internal and external resonances	(649)
Houjun KANG, Tieding GUO, Weidong ZHU, Junyi SU, Bingyu ZHAO	
Swelling-induced finite bending of functionally graded pH-responsive hydrogels: a semi-analytical method	(679)
M. SHOJAEIFARD, M. R. BAYAT, M. BAGHANI	
Bifurcations in penetrative Rayleigh-Bénard convection in a cylindrical container	(695)
Chuanshi SUN, Shuang LIU, Qi WANG, Zhenhua WAN, Dejun SUN	
Centered simple waves for the two-dimensional pseudo-steady isothermal flow around a convex corner	(705)
Wancheng SHENG, Aidi YAO	
Flat-plate hypersonic boundary-layer flow instability and transition prediction considering air dissociation.....	(719)
Yufeng HAN, Wei CAO	
Study on the packed volume and the void ratio of idealized human red blood cells using a finite-discrete element method.....	(737)
Dong XU, Chunming JI, A. MUNJIZA, E. KALIVOTIS, E. AVITAL, J. WILLAMS	

ISSN 0253-4827
CN 31-1650/O1

