

ISSN 0253-4827
CN 31-1650/O1
CODEN AMMEEQ

AMM

APPLIED MATHEMATICS AND MECHANICS

(English Edition)



Vol. 36 No. 7 Jul. 2015

AM Editorial Office of AMM

 **Springer**

万方数据

CONTENTS

Vol. 36 No. 7 Jul. 2015 (Monthly)

- Self-consistent parabolized stability equation (PSE) method for
compressible boundary layer (835)
Yongming ZHANG, Caihong SU
- On study of horizontal thin film flow of Sisko fluid due to
surface tension gradient (847)
A. M. SIDDIQUI, H. ASHRAF, A. WALAIT, T. HAROON
- New conditions of stability and convergence of Stokes and Newton iterations
for Navier-Stokes equations (863)
Guodong ZHANG, Xiaojing DONG, Yongzheng AN, Hong LIU
- Skew-gradient representations of constrained mechanical systems (873)
Fengxiang MEI, Jinchao CUI
- Multi-axial strain-stiffening elastic potentials with energy bounds: explicit approach
based on uniaxial data (883)
Lidan YU, Tianfu JIN, Zhengnan YIN, Heng XIAO
- Homogenized and classical expressions for static bending solutions for
functionally graded material Levinson beams (895)
Shirong LI, Zeqing WAN, Xuan WANG
- Existence results for unilateral contact problem with friction of
thermo-electro-elasticity (911)
H. BENAÏSSA, EL-H. ESSOUFI, R. FAKHAR
- Surface effects on mechanical behavior of elastic nanoporous materials
under high strain (927)
Zixing LU, Fan XIE, Qiang LIU, Zhenyu YANG
- Thermo-electromechanical behavior of functionally graded piezoelectric hollow
cylinder under non-axisymmetric loads (939)
A. ATRIAN, J. JAFARI FESHARAKI, S. H. NOURBAKHS
- Analytical solutions for plane problem of functionally graded magnetoelectric
cantilever beam (955)
Yanmei YUE, Xiaofen YE, Kaiyu XU

ISSN 0253-4827
CN 31-1650/O1



ISSN 0253-4827



9 770253 482151

CONTENTS

Vol. 36 No. 7 Jul. 2015 (Monthly)

- Self-consistent parabolized stability equation (PSE) method for
compressible boundary layer (835)
Yongming ZHANG, Caihong SU
- On study of horizontal thin film flow of Sisko fluid due to
surface tension gradient (847)
A. M. SIDDIQUI, H. ASHRAF, A. WALAIT, T. HAROON
- New conditions of stability and convergence of Stokes and Newton iterations
for Navier-Stokes equations (863)
Guodong ZHANG, Xiaojing DONG, Yongzheng AN, Hong LIU
- Skew-gradient representations of constrained mechanical systems (873)
Fengxiang MEI, Jinchao CUI
- Multi-axial strain-stiffening elastic potentials with energy bounds: explicit approach
based on uniaxial data (883)
Lidan YU, Tianfu JIN, Zhengnan YIN, Heng XIAO
- Homogenized and classical expressions for static bending solutions for
functionally graded material Levinson beams (895)
Shirong LI, Zeqing WAN, Xuan WANG
- Existence results for unilateral contact problem with friction of
thermo-electro-elasticity (911)
H. BENAÏSSA, EL-H. ESSOUFI, R. FAKHAR
- Surface effects on mechanical behavior of elastic nanoporous materials
under high strain (927)
Zixing LU, Fan XIE, Qiang LIU, Zhenyu YANG
- Thermo-electromechanical behavior of functionally graded piezoelectric hollow
cylinder under non-axisymmetric loads (939)
A. ATRIAN, J. JAFARI FESHARAKI, S. H. NOURBAKHS
- Analytical solutions for plane problem of functionally graded magnetoelectric
cantilever beam (955)
Yanmei YUE, Xiaofen YE, Kaiyu XU

ISSN 0253-4827
CN 31-1650/O1



ISSN 0253-4827



9 770253 482151