

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

AMM

APPLIED MATHEMATICS AND MECHANICS

(English Edition)



Vol. 37 No. 8 Aug. 2016

AM Editorial Office of AMM

 **Springer**

CONTENTS

Commenced in May 1980

Vol. 37 No. 8 Aug. 2016 (Monthly)

Boundary-layer disturbances subjected to free-stream turbulence and simulation on bypass transition	(967)
Hong QIN, Ming DONG	
Effect of particles on turbulent thermal field of channel flow with different Prandtl numbers.....	(987)
Caixi LIU, Yuhong DONG	
Global instability of Stokes layer for whole wave numbers.....	(999)
Wei KONG, Jisheng LUO	
Linear spatial instability analysis in 3D boundary layers using plane-marching 3D-LPSE.....	(1013)
Jianxin LIU, Shaolong ZHANG, Song FU	
Carbon nanotubes on unsteady MHD non-Darcy flow over porous wedge in presence of thermal radiation energy	(1031)
R. KANDASAMY, R. MOHAMMAD, I. MUHAJIN	
New way to construct high order Hamiltonian variational integrators.....	(1041)
Minghui FU, Kelang LU, Weihua LI, S. V. SHESHENIN	
Modeling and analysis of piezoelectric beam with periodically variable cross-sections for vibration energy harvesting.....	(1053)
M. HAJHOSSEINI, M. RAFEEYAN	
Electromechanical responses and instability of electro-active polymer cylindrical shells	(1067)
Jiusheng REN, Chengmin WANG	
Projected Runge-Kutta methods for constrained Hamiltonian systems.....	(1077)
Yi WEI, Zichen DENG, Qingjun LI, Bo WANG	
Low order nonconforming mixed finite element method for nonstationary incompressible Navier-Stokes equations	(1095)
Chao XU, Dongyang SHI, Xin LIAO	

ISSN 0253-4827
CN 31-1650/O1



CONTENTS

Commenced in May 1980

Vol. 37 No. 8 Aug. 2016 (Monthly)

Boundary-layer disturbances subjected to free-stream turbulence and simulation on bypass transition	(967)
Hong QIN, Ming DONG	
Effect of particles on turbulent thermal field of channel flow with different Prandtl numbers.....	(987)
Caixi LIU, Yuhong DONG	
Global instability of Stokes layer for whole wave numbers.....	(999)
Wei KONG, Jisheng LUO	
Linear spatial instability analysis in 3D boundary layers using plane-marching 3D-LPSE.....	(1013)
Jianxin LIU, Shaolong ZHANG, Song FU	
Carbon nanotubes on unsteady MHD non-Darcy flow over porous wedge in presence of thermal radiation energy	(1031)
R. KANDASAMY, R. MOHAMMAD, I. MUHAJIN	
New way to construct high order Hamiltonian variational integrators.....	(1041)
Minghui FU, Kelang LU, Weihua LI, S. V. SHESHENIN	
Modeling and analysis of piezoelectric beam with periodically variable cross-sections for vibration energy harvesting.....	(1053)
M. HAJHOSSEINI, M. RAFEEYAN	
Electromechanical responses and instability of electro-active polymer cylindrical shells	(1067)
Jiusheng REN, Chengmin WANG	
Projected Runge-Kutta methods for constrained Hamiltonian systems.....	(1077)
Yi WEI, Zichen DENG, Qingjun LI, Bo WANG	
Low order nonconforming mixed finite element method for nonstationary incompressible Navier-Stokes equations	(1095)
Chao XU, Dongyang SHI, Xin LIAO	

ISSN 0253-4827
CN 31-1650/O1



ISSN 0253-4827

