CONTENTS

Commenced in May 1980 Vol. 39 No. 6 June 2018 (I	Monthly)
On asymmetric bending of functionally graded solid circular plates	(767)
Yingwu YANG, Ying ZHANG, Weiqiu CHEN, Bo YANG	
Thermomagnetic effect with microtemperature in a semiconducting	
photothermal excitation medium	(783)
K. LOTFY, R. KUMAR, W. HASSAN, M. GABR	
Effective electroelastic constants for three-phase confocal elliptical cylinder model	
in piezoelectric quasicrystal composites	(797)
Yongbin WANG, Junhong GUO	
An analytical poroelastic model for laboratorial mechanical testing	
of the articular cartilage (AC)	(813)
Xiaogang WU, Kuijun CHEN, Zhaowei WANG, Ningning WANG,	
Teng ZHAO, Yanan XUE, Yanqin WANG, Weiyi CHEN	
Mathematical modelling of axonal microtubule bundles under dynamic torsion	(829)
J. Y. WU, Hong YUAN, L. Y. LI	
Numerical simulations of sloshing and suppressing sloshing using	
the optimization technology method	(845)
Hui GUAN, Yifei XUE, Zhijun WEI, Chuijie WU	
A novel method for chemistry tabulation of strained premixed/stratified flames	
based on principal component analysis	(855)
Peng TANG, Hongda ZHANG, Taohong YE, Zhou YU, Zhaoyang XIA	
Approximate solutions for the problem of liquid film flow over an unsteady	
stretching sheet with thermal radiation and magnetic field	(867)
M. M. KHADER	
An approach for choosing discretization schemes and grid size based on	
the convection-diffusion equation	(877)
Lin ZHOU, Zhenghong GAO, Yuan GAO	
Airfoil design optimization based on lattice Boltzmann method and adjoint approach	(891)
Xiaowei LI, Liang FANG, Yan PENG	
Dynamics of a fluid-filled curvilinear pipeline	(905)
WA RUKAVICHNIKOV O P TKACHENKO	

 $\frac{\rm ISSN~0253\text{-}4827}{\rm CN~31\text{-}1650/O1}$



