



QK1819289

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

AMM

APPLIED MATHEMATICS AND MECHANICS

(English Edition)



Vol. 39 No. 5 May 2018

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. 39 No. 5 May 2018 (Monthly)

- Asymptotic solution of a wide moving jam to a class of higher-order
viscous traffic flow models (609)
Chunxiu WU
- 3D Casson nanofluid flow over slendering surface in a suspension of gyrotactic
microorganisms with Cattaneo-Christov heat flux (623)
V. NAGENDRAMMA, C. S. K. RAJU, B. MALLIKARJUNA,
S. A. SHEHZAD, A. LEELARATHNAM
- Effects of the particle Stokes number on wind turbine airfoil erosion (639)
Deshun LI, Zhenxi ZHAO, Yinran LI, Qing WANG, Rennian LI, Ye LI
- Stability of buoyancy-driven convection in an Oldroyd-B
fluid-saturated anisotropic porous layer (653)
K. R. RAGHUNATHA, I. S. SHIVAKUMARA, SOWBHAGYA
- Pulsatile electroosmotic flow of a Maxwell fluid in a parallel flat plate
microchannel with asymmetric zeta potentials (667)
M. PERALTA, O. BAUTISTA, F. MÉNDEZ, E. BAUTISTA
- One-dimensional dynamic equations of a piezoelectric semiconductor beam with a rectangular
cross section and their application in static and dynamic characteristic analysis (685)
Peng LI, Feng JIN, Jianxun MA
- Improved quadratic isogeometric element simulation of one-dimensional
elastic wave propagation with central difference method (703)
Weibin WEN, Shibin LUO, Shengyu DUAN, Jun LIANG, Daining FANG
- Effect of rotary inertia on stability of axially accelerating
viscoelastic Rayleigh beams (717)
Bo WANG
- Quasi-momentum theorem in Riemann-Cartan space (733)
Yong WANG, Chang LIU, Jing XIAO, Fengxiang MEI
- Theoretical analyses on bed topography responses in large depth-to-width ratio
river bends with constant curvatures (747)
Shuxian GAO, Haijue XU, Yuchuan BAI

ISSN 0253-4827
CN 31-1650/O1



ISSN 0253-4827



CONTENTS

Commenced in May 1980

Vol. 39 No. 5 May 2018 (Monthly)

- Asymptotic solution of a wide moving jam to a class of higher-order
viscous traffic flow models (609)
Chunxiu WU
- 3D Casson nanofluid flow over slendering surface in a suspension of gyrotactic
microorganisms with Cattaneo-Christov heat flux (623)
V. NAGENDRAMMA, C. S. K. RAJU, B. MALLIKARJUNA,
S. A. SHEHZAD, A. LEELARATHNAM
- Effects of the particle Stokes number on wind turbine airfoil erosion (639)
Deshun LI, Zhenxi ZHAO, Yinran LI, Qing WANG, Rennian LI, Ye LI
- Stability of buoyancy-driven convection in an Oldroyd-B
fluid-saturated anisotropic porous layer (653)
K. R. RAGHUNATHA, I. S. SHIVAKUMARA, SOWBHAGYA
- Pulsatile electroosmotic flow of a Maxwell fluid in a parallel flat plate
microchannel with asymmetric zeta potentials (667)
M. PERALTA, O. BAUTISTA, F. MÉNDEZ, E. BAUTISTA
- One-dimensional dynamic equations of a piezoelectric semiconductor beam with a rectangular
cross section and their application in static and dynamic characteristic analysis (685)
Peng LI, Feng JIN, Jianxun MA
- Improved quadratic isogeometric element simulation of one-dimensional
elastic wave propagation with central difference method (703)
Weibin WEN, Shibin LUO, Shengyu DUAN, Jun LIANG, Daining FANG
- Effect of rotary inertia on stability of axially accelerating
viscoelastic Rayleigh beams (717)
Bo WANG
- Quasi-momentum theorem in Riemann-Cartan space (733)
Yong WANG, Chang LIU, Jing XIAO, Fengxiang MEI
- Theoretical analyses on bed topography responses in large depth-to-width ratio
river bends with constant curvatures (747)
Shuxian GAO, Haijue XU, Yuchuan BAI

ISSN 0253-4827
CN 31-1650/O1

