

Q K 1 9 0 5 1 4 7

ISSN 0253-4827

CN 31-1650/01

CODEN AMMEEQ

AMM

APPLIED MATHEMATICS AND MECHANICS

(English Edition)



**Symposium on
Turbulence Structures
and Aerodynamic
Heat/Force II**

Guest Editors
Zuoli XIAO
Cunbiao LEE
Shiyi CHEN



Vol. 40 No. 3 Mar. 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. 3 Mar. 2019 (Monthly)

- Wall-modeling for large-eddy simulation of flows around an axisymmetric body using the diffuse-interface immersed boundary method.....(305)
Beiji SHI, Xiaolei YANG, Guodong JIN,
Guowei HE, Shizhao WANG
- Transport diffuse interface model for simulation of solid-fluid interaction.....(321)
Li LI, Qian CHEN, Baolin TIAN
- Effects of the Reynolds number on the mean skin friction decomposition in turbulent channel flows.....(331)
Yitong FAN, Cheng CHENG, Weipeng LI
- Transversal effects of high order numerical schemes for compressible fluid flows.....(343)
Xin LEI, Jiequan LI
- A unified gas-kinetic scheme for multiscale and multicomponent flow transport(355)
Tianbai XIAO, Kun XU, Qingdong CAI
- Unsteadiness control of laminar junction flows on pressure fluctuations(373)
Jianhua LIU, Shucheng ZHAI, E. KUDASHEV,
Fangwen HONG, Kai YAN
- Relationship between wall shear stresses and streamwise vortices in turbulent flows over wavy boundaries.....(381)
Lihao WANG, Weixi HUANG, Chunxiao XU,
Lian SHEN, Zhaoshun ZHANG
- Numerical simulations of gas-particle flow behavior created by low-level rotary-winged aircraft flight over particle bed(397)
Xiaoxue JIANG, Yingqiao XU, Chuang WANG,
Linzhai MENG, Huilin LU
- Linear stability theory with the equivalent spanwise wavenumber correction in 3D boundary layers.....(407)
Runjie SONG, Shaolong ZHANG, Jianxin LIU

ISSN 0253-4827
CN 31-1650/O1



CONTENTS

Commenced in May 1980

Vol. 40 No. 3 Mar. 2019 (Monthly)

- Wall-modeling for large-eddy simulation of flows around an axisymmetric body using the diffuse-interface immersed boundary method.....(305)
Beiji SHI, Xiaolei YANG, Guodong JIN,
Guowei HE, Shizhao WANG
- Transport diffuse interface model for simulation of solid-fluid interaction.....(321)
Li LI, Qian CHEN, Baolin TIAN
- Effects of the Reynolds number on the mean skin friction decomposition in turbulent channel flows.....(331)
Yitong FAN, Cheng CHENG, Weipeng LI
- Transversal effects of high order numerical schemes for compressible fluid flows.....(343)
Xin LEI, Jiequan LI
- A unified gas-kinetic scheme for multiscale and multicomponent flow transport(355)
Tianbai XIAO, Kun XU, Qingdong CAI
- Unsteadiness control of laminar junction flows on pressure fluctuations(373)
Jianhua LIU, Shucheng ZHAI, E. KUDASHEV,
Fangwen HONG, Kai YAN
- Relationship between wall shear stresses and streamwise vortices in turbulent flows over wavy boundaries.....(381)
Lihao WANG, Weixi HUANG, Chunxiao XU,
Lian SHEN, Zhaoshun ZHANG
- Numerical simulations of gas-particle flow behavior created by low-level rotary-winged aircraft flight over particle bed(397)
Xiaoxue JIANG, Yingqiao XU, Chuang WANG,
Linzhai MENG, Huilin LU
- Linear stability theory with the equivalent spanwise wavenumber correction in 3D boundary layers.....(407)
Runjie SONG, Shaolong ZHANG, Jianxin LIU

ISSN 0253-4827
CN 31-1650/O1

