



AMM

APPLIED MATHEMATICS AND MECHANICS

(ENGLISH EDITION)

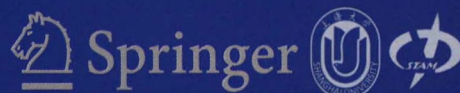


Vol. 43 No. 2 Feb. 2022

应用数学和力学 (英文版)

万方数据

AMM Editorial Office of AMM



APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)

应用数学和力学(英文版)

CONTENTS

Commenced in May 1980

Vol. 43 No. 2 Feb. 2022 (Monthly)

- A station-data-based model residual machine learning method for fine-grained meteorological grid prediction..... (155)
Chuansai ZHOU, Haochen LI, Chen YU, Jiangjiang XIA, Pingwen ZHANG
- Tunable three-dimensional nonreciprocal transmission in a layered nonlinear elastic wave metamaterial by initial stresses..... (167)
Zhenni LI, Yize WANG, Yuesheng WANG
- Nonlinear dynamics and performance analysis of modified snap-through vibration energy harvester with time-varying potential function..... (185)
K. DEVARAJAN, B. SANTHOSH
- Surface effect on band structure of magneto-elastic phononic crystal nanoplates subject to magnetic and stress loadings..... (203)
Shunzu ZHANG, Qianqian HU, Wenjuan ZHAO
- Surface deformation-dependent mechanical properties of bending nanowires: an ab initio core-shell model..... (219)
Ye XIAO, J. SHANG, L. Z. KOU, Chun LI
- Effects of grain boundary on irradiation-induced zero-dimensional defects in an irradiated copper..... (233)
Jing PENG, Shiyong CUI, Yuanyuan TIAN, Qihong FANG, Jia LI, P. K. LIAW
- An adaptive artificial viscosity for the displacement shallow water wave equation..... (247)
Keqi YE, Yuelin ZHAO, Feng WU, Wanxie ZHONG
- On the energy conversion in electrokinetic transports..... (263)
Zhaodong DING, Long CHANG, Kai TIAN, Yongjun JIAN
- Dynamic analysis of geared transmission system for wind turbines with mixed aleatory and epistemic uncertainties..... (275)
Chao FU, Kuan LU, Y. D. XU, Yongfeng YANG, F. S. GU, Yushu CHEN
- Stability of plane-parallel flow of magnetic fluids under external magnetic fields..... (295)
P. Z. S. PAZ, F. R. CUNHA, Y. D. SOBRAL

ISSN 0253-4827
CN 31-1650/O1

Domestic: ¥ 40
Overseas: \$ 178



APPLIED MATHEMATICS AND MECHANICS (ENGLISH EDITION)

应用数学和力学(英文版)

CONTENTS

Commenced in May 1980

Vol. 43 No. 2 Feb. 2022 (Monthly)

- A station-data-based model residual machine learning method for fine-grained meteorological grid prediction..... (155)
Chuansai ZHOU, Haochen LI, Chen YU, Jiangjiang XIA, Pingwen ZHANG
- Tunable three-dimensional nonreciprocal transmission in a layered nonlinear elastic wave metamaterial by initial stresses..... (167)
Zhenni LI, Yize WANG, Yuesheng WANG
- Nonlinear dynamics and performance analysis of modified snap-through vibration energy harvester with time-varying potential function..... (185)
K. DEVARAJAN, B. SANTHOSH
- Surface effect on band structure of magneto-elastic phononic crystal nanoplates subject to magnetic and stress loadings..... (203)
Shunzu ZHANG, Qianqian HU, Wenjuan ZHAO
- Surface deformation-dependent mechanical properties of bending nanowires: an ab initio core-shell model..... (219)
Ye XIAO, J. SHANG, L. Z. KOU, Chun LI
- Effects of grain boundary on irradiation-induced zero-dimensional defects in an irradiated copper..... (233)
Jing PENG, Shiyong CUI, Yuanyuan TIAN, Qihong FANG, Jia LI, P. K. LIAW
- An adaptive artificial viscosity for the displacement shallow water wave equation..... (247)
Keqi YE, Yuelin ZHAO, Feng WU, Wanxie ZHONG
- On the energy conversion in electrokinetic transports..... (263)
Zhaodong DING, Long CHANG, Kai TIAN, Yongjun JIAN
- Dynamic analysis of geared transmission system for wind turbines with mixed aleatory and epistemic uncertainties..... (275)
Chao FU, Kuan LU, Y. D. XU, Yongfeng YANG, F. S. GU, Yushu CHEN
- Stability of plane-parallel flow of magnetic fluids under external magnetic fields..... (295)
P. Z. S. PAZ, F. R. CUNHA, Y. D. SOBRAL

ISSN 0253-4827
CN 31-1650/O1

Domestic: ¥ 40
Overseas: \$ 178

