



Q K 1 9 1 7 5 8 0

力学进展

Advances in Mechanics

第49卷，2019年

Volume 49, 2019

中国科学院力学研究所 中国力学学会 主办

Sponsored by

Institute of Mechanics, Chinese Academy of Sciences

The Chinese Society of Theoretical and Applied Mechanics

ISSN 1000-0992 CODEN LIJIEE

万方数据

目 次

| | | |
|--------|--|-----|
| 201901 | 页岩气开采中的若干力学前沿问题 刘曰武, 高大鹏, 李奇, 万义钊, 段文杰, 曾霞光, 李明耀, 苏业旺, 范永波, 李世海, 鲁晓兵, 周东, 陈伟民, 傅一钦, 姜春晖, 侯绍继, 潘利生, 魏小林, 胡志明, 端祥刚, 高树生, 沈瑞, 常进, 柳占立, 李晓雁, 魏宇杰, 郑哲敏 | 1 |
| 201902 | 同伦分析方法进展综述 廖世俊, 刘曾 | 237 |
| 201903 | 微纳通道谐振器检测与表征中的动力学问题 闫寒, 张文明 | 274 |
| 201904 | 长杆高速侵彻问题研究进展 焦文俊, 陈小伟 | 312 |
| 201905 | 装甲陶瓷的界面击溃效应 谈梦婷, 张先锋, 包阔, 伍杨, 吴雪 | 392 |
| 201906 | 空化水动力学非定常特性研究进展及展望 季斌, 程怀玉, 黄彪, 罗先武, 彭晓星, 龙新平 | 428 |
| 201907 | 非定常流动模拟的时间离散方法 张伟伟, 贡伊明, 刘溢浪 | 480 |
| 201908 | 连续介质分析动力学及其应用 梁立孚, 郭庆勇, 宋海燕 | 514 |
| 201909 | 有限元模型修正研究进展: 从线性到非线性 张皓, 李东升, 李宏男 | 542 |
| 201910 | 多物理场耦合作用分析的近场动力学理论与方法 顾鑫, 章青, Erdogan Madenci | 576 |
| 201911 | 力学十年: 现状与展望 白坤朝, 詹世革, 张攀峰, 谭宗颖, 孟庆国 | 599 |

Contents

| | | |
|--------|--|-----|
| 201901 | Mechanical frontiers in shale-gas development <i>LIU Yuewu, GAO Dapeng, LI Qi, WAN Yizhao, DUAN Wenjie, ZENG Xiaguang, LI Mingyao, SU Yewang, FAN Yongbo, LI Shihai, LU Xiaobing, ZHOU Dong, CHEN Weimin, FU Yiqin, JIANG Chunhui, HOU Shaoji, PAN Lisheng, WEI Xiaolin, HU Zhiming, DUAN Xianggang, GAO Shusheng, SHEN Rui, CHANG Jin, LI Xiaoyan, LIU Zhanli, WEI Yujie, ZHENG Zhemin</i> | 1 |
| 201902 | A brief review of the homotopy analysis method <i>LIAO Shijun, LIU Zeng</i> | 237 |
| 201903 | Dynamics problems of micro/nano channel resonators for detection and characterization <i>YAN Han, ZHANG Wenming</i> | 274 |
| 201904 | Review on long-rod penetration at hypervelocity <i>JIAO Wenjun, CHEN Xiaowei</i> | 312 |
| 201905 | Interface defeat of ceramic armor <i>TAN Mengting, ZHANG Xianfeng, BAO Kuo, WU Yang, WU Xue</i> | 392 |
| 201906 | Research progresses and prospects of unsteady hydrodynamics characteristics for cavitation <i>JI Bin, CHENG Huaiyu, HUANG Biao, LUO Xianwu, PENG Xiaoxing, LONG Xinpingle</i> | 428 |
| 201907 | Time discretization methods in the computation of unsteady flow <i>ZHANG Weiwei, GONG Yiming, LIU Yilang</i> | 480 |
| 201908 | Analytical dynamics of continuous medium and its application <i>LIANG Lifu, GUO Qingyong, SONG Haiyan</i> | 514 |
| 201909 | Recent progress on finite element model updating: From linearity to nonlinearity <i>ZHANG Hao, LI Dongsheng, LI Hongnan</i> | 542 |
| 201910 | Review of peridynamics for multi-physics coupling modeling <i>GU Xin, ZHANG Qing, ERDOGAN Madenci</i> | 576 |
| 201911 | Mechanics 2006–2015: Situation and prospect <i>BAI Kunchao, ZHAN Shige, ZHANG Panfeng, TAN Zongying, MENG Qingguo</i> | 599 |

ISSN 1000-0992



9 771000 099196

03>