ISSN 1673-3452 Volume 14 · Number 6 · December 2019

QK2007538

Available online
www.springerlink.com

# Frontiers of Mathematics in China

Higher Education Press

Springer

万方数据

Volume 14
Number 6
2019

# Frontiers of Mathematics in China

## Research articles

1077 **Mu-Fa CHEN, Yue-Shuang LI**
Improved global algorithms for maximal eigenpair

1117 **Xie-Bin CHEN**
Matchings extend to Hamiltonian cycles in hypercubes with faulty edges

1133 **Boling GUO, Fengxia LIU**
Weak and smooth solutions to incompressible Navier-Stokes-Landau-Lifshitz-Maxwell equations

1163 **Zonglin JIA, Youde WANG**
Global weak solutions to Landau-Lifshitz equations into compact Lie algebras

1197 **Dan LI, Junfeng LI**
On 4-order Schrödinger operator and Beam operator

1213 **Xin LI, Jiming GUO, Zhiwen WANG**
Minimal least eigenvalue of connected graphs of order $n$ and size $m = n + k$ $(5 \leqslant k \leqslant 8)$

1231 **Yu LI, Guiyun CHEN**
Normalized integral table algebras generated by a faithful real element of degree 2 and having 4 linear elements

1259 **Jingning LIU, Mei ZHANG**
Critical survival barrier for branching random walk

(*contents continued on inside back cover*)

中国数学前沿
CN 11-5739/O1
邮发代号: 80-964

ISSN 1673-3452

万方数据

(*contents continued from outside back cover*)

1281 **Guangjun SHEN, Qian YU, Yunmeng LI**
Least squares estimator of Ornstein-Uhlenbeck processes driven by fractional Lévy processes with periodic mean

1303 **Yalin SUN, Lizhen WU**
Generalization of Erdös-Kac theorem

1317 **Feng-Yu WANG, Weiwei ZHANG**
Nash inequality for diffusion processes associated with Dirichlet distributions

1339 **Yanyan WANG**
Determination of generalized exact boundary synchronization matrix for a coupled system of wave equations

1353 **Hanyu WEI, Tiecheng XIA**
Constructing super D-Kaup-Newell hierarchy and its nonlinear integrable coupling with self-consistent sources

1367 **Tao XU, Heguo LIU**
Regular automorphisms of order $p^2$

i **SUBJECT INDEX TO VOLUME 14 (2019)**

万方数据

Volume 14
Number 6
2019

# Frontiers of Mathematics in China

## Research articles

1077 **Mu-Fa CHEN, Yue-Shuang LI**
Improved global algorithms for maximal eigenpair

1117 **Xie-Bin CHEN**
Matchings extend to Hamiltonian cycles in hypercubes with faulty edges

1133 **Boling GUO, Fengxia LIU**
Weak and smooth solutions to incompressible Navier-Stokes-Landau-Lifshitz-Maxwell equations

1163 **Zonglin JIA, Youde WANG**
Global weak solutions to Landau-Lifshitz equations into compact Lie algebras

1197 **Dan LI, Junfeng LI**
On 4-order Schrödinger operator and Beam operator

1213 **Xin LI, Jiming GUO, Zhiwen WANG**
Minimal least eigenvalue of connected graphs of order $n$ and size $m = n + k$ $(5 \leqslant k \leqslant 8)$

1231 **Yu LI, Guiyun CHEN**
Normalized integral table algebras generated by a faithful real element of degree 2 and having 4 linear elements

1259 **Jingning LIU, Mei ZHANG**
Critical survival barrier for branching random walk

(*contents continued on inside back cover*)

中国数学前沿
CN 11-5739/O1
邮发代号: 80-964

ISSN 1673-3452

万方数据