

JOURNAL OF COMPUTATIONAL MATHEMATICS

计算数学 (英文版)

Volume 44 Number 5 September 2026

CONTENTS

- Hongfei Fu, Dianming Hou, Zhonghua Qiao and Bingyin Zhang* Dynamic-stabilization-based Linear Schemes for the Allen-Cahn Equation with Degenerate Mobility (1219)
- Junjun Wang, Dongyang Shi, Shuo Wang and Xuesong Che* A Structure-preserving Nonconforming FEM of Nonlinear Kirchhoff-type Equation with Damping (1248)
- Benqi Liu and Liwei Zhang* Convergence Analysis of an Inexact Augmented Lagrangian Method for Nonconvex Second-order Cone Programming (1269)
- Gang Wu, Ke Li and Jianjian Wang* A Restarted and Randomized Algorithm for Evaluating Energy of Extremely Large-scale Graph (1297)
- Longze Tan, Mingyu Deng, Jiali Qiu and Xueping Guo* On the Adaptive Deterministic Block Coordinate Descent Method with Momentum for Solving Large Linear Least-squares Problems (1330)
- Huanrong Li, Yuejie Li, Liang He and Zhendong Luo* A Novel TGMFECN Dimension Reduction Method Based on POD for the Improved Nonlinear Fourth-order Cahn-Hilliard Equations (1354)
- Wenshun Teng and Qingna Li* A Matrix Optimization Method for Blind Extraction of External Equitable Partitions from Low Pass Graph Signals (1387)
- Min Zhang, Qijia Zhai and Xiaoping Xie* A Low Order Globally Divergence-free WG Finite Element Method for Steady Thermally Coupled Incompressible MHD Flow (1406)
- Li Li, Chen Xu, Jian Lu, Ningning Han and Lixin Shen* Stochastic Variance Reduced Gradient for Tensor Recovery (1438)
- Liwei Liu, Tong Zhang and Chuanjun Chen* Multi-level Mixed Finite Element Methods Based on Different Iterations for the Steady Boussinesq Problem (1458)
- Haokun Li, Yulin Liu, Jian Meng and Xu Qian* Serendipity Virtual Element Method for the Second Order Elliptic Eigenvalue Problem in Two and Three Dimensions (1492)
- Shuang Yu and Hongqi Yang* Regularization Method with Two Differential Operators for Simultaneous Inversion of Source Term and Initial Value in a Time-fractional Black-Scholes Equation (1526)
- Lavanya V Saliyan, Rathan Samala and Rakesh Kumar* Compact Finite Difference Scheme for Some Sobolev Type Equations with Dirichlet Boundary Conditions (1554)

JOURNAL OF COMPUTATIONAL MATHEMATICS

(Bimonthly)

Vol. 44 No. 5

Editor-in-Chief: Yu-Hong Dai
Academy of Mathematics and Systems Science (AMSS), Chinese Academy of Sciences
Zhongguancun East Rd. No.55, Beijing 100190, China

Copyright 2026 by AMSS, Chinese Academy of Sciences

Published by:

Academy of Mathematics and Systems Science (AMSS)
Chinese Academy of Sciences

Distributed by:

Domestic:
AMSS
Chinese Academy of Sciences
Beijing, China

Foreign:
Global Science Press
Hong Kong, China

CN 11-2126/O1

ISSN 0254-9409

2026

