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Journal Information

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Classification History

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2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

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Recent Articles

Novelly Fifth-Order HUS-WENO Scheme for Simulating Hyperbolic Conservation Laws on Structured Grids
2026-9-30 Vol. 19 Issue 2 Pages 711-734
Authors: Yan Zhang, Jun Zhu
DOI: 10.4208/aamm.oa-2025-0086

A Novel Two-Grid Finite Element Approach for Solving Nonlinear Time-Fractional Schrödinger Equation
2026-9-30 Vol. 19 Issue 2 Pages 735-760
Authors: Hanzhang Hu, Chuanjun Chen, Wenming He
DOI: 10.4208/aamm.oa-2025-0307

A Novel Extremum-Preserving Finite Element Scheme for Convection Dominant Diffusion Problems
2026-9-30 Vol. 19 Issue 2 Pages 761-790
Authors: Jianmeng He, Cunyun Nie, Shi Shu et al.
DOI: 10.4208/aamm.oa-2026-0031

Uniformly Convergent Petrov-Galerkin Scheme with Mass Lumping for Solving Parabolic Singularly Perturbed Problems
2026-9-30 Vol. 19 Issue 2 Pages 682-710
Authors: Yueran Wang, Wenli Yang, Zhongyi Huang
DOI: 10.4208/aamm.oa-2024-0142

A Novel Regularization Approach in Function Approximation
2026-9-30 Vol. 19 Issue 2 Pages 791-806
Authors: L. H. Kuo, C. S. Chen, Andreas Karageorghis
DOI: 10.4208/aamm.oa-2026-0039

Two P_4 Nonconforming Finite Elements for the Biharmonic Equation on Rectangular Meshes
2026-8-1 Vol. 18 Issue 4 Pages 1142-1154
Authors: Youai Li, Shangyou Zhang
DOI: 10.4208/aamm.oa-2025-0165

A Fast Spatial Two-Grid Raviart-Thomas MFE Algorithm for the Nonlinear Time Fractional Diffusion Equations on Temporal Graded Mesh
2026-8-1 Vol. 18 Issue 4 Pages 1155-1188
Authors: Zhichao Fang, Shubin Dong, Jie Zhao et al.
DOI: 10.4208/aamm.oa-2023-0307

Machine Learning Based Optimization of Tube Geometry for Capillary Rise
2026-8-1 Vol. 18 Issue 4 Pages 1307-1327
Authors: Yanfang Xu, Zhenhua Chai, Fang Shan et al.
DOI: 10.4208/aamm.oa-2023-0303

High-Order Numerical Approximation and Error Estimation for Fourth-Order Equation in Complex Cylindrical Domain
2026-8-1 Vol. 18 Issue 4 Pages 1189-1209
Authors: Xuenan Zhao, Jing An, Juan Zhang
DOI: 10.4208/aamm.oa-2024-0276

New Regularization and Error Estimate for the Cauchy Problem of the Nonlinear Helmholtz-Type Equation
2026-8-1 Vol. 18 Issue 4 Pages 1269-1306
Authors: Zhenping Li, Xiangtuan Xiong
DOI: 10.4208/aamm.oa-2024-0180