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Journal Information

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Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
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Authors: Simon Klaes, Axel Klawonn, Natalie Kubicki et al.
DOI: 10.1137/25m1802845

A Novel Multicolor Ordering Method for GPU Acceleration of ILU(0)-GMRES
2026-11-4 Vol. 48 Issue 6 Pages B925-B950
Authors: Kengo Suzuki, Takeshi Fukaya, Takeshi Iwashita
DOI: 10.1137/24m1714678

Weighted Lagrange Multiplier Method for Robust Source-Independent Waveform Inversion
2026-11-4 Vol. 48 Issue 6 Pages A3345-A3373
Authors: Ali Gholami, Kamal Aghazade, Akshay Vishwakarma
DOI: 10.1137/25m1804200

A Hybrid Chebyshev–Tucker Tensor Format for Approximation of Multivariate Functions
2026-11-3 Vol. 48 Issue 6 Pages A3265-A3292
Authors: Peter Benner, Boris N. Khoromskij, Venera Khoromskaia et al.
DOI: 10.1137/25m1812713

Latent Autoencoder Ensemble Kalman Filter for Nonlinear Data Assimilation
2026-11-3 Vol. 48 Issue 6 Pages C1403-C1436
Authors: Xin T. Tong, Yanyan Wang, Liang Yan
DOI: 10.1137/26m1850230

A Continuous Approach to Computing the Pseudospectra of Linear Operators
2026-11-3 Vol. 48 Issue 6 Pages A3293-A3319
Authors: Kuan Deng, Xiaolin Liu, Kuan Xu
DOI: 10.1137/24m1720135

Energy Dissipation Analysis of Implicit-Explicit Linear Multistep Methods for Gradient Flows Using a Simple Multiplier
2026-11-2 Vol. 48 Issue 6 Pages A3209-A3236
Authors: Chaoyu Quan, Huaijin Wang, Xuping Wang et al.
DOI: 10.1137/26m1857554

Weighted Proper Orthogonal Decomposition for High-Dimensional Optimization
2026-11-2 Vol. 48 Issue 6 Pages A3237-A3264
Authors: Sebastiaan P. C. van Schie, Boris Kramer, John T. Hwang
DOI: 10.1137/25m1779243

Special Section: 2024 Copper Mountain Conference on Iterative Methods
2026-10-29 Vol. 48 Issue 5 Pages Si-Si
Authors: Ray Tuminaro, Jed Brown, Xiao-Chuan Cai et al.
DOI: 10.1137/26m1910699

Quantum Reduced-Order Modeling via Variational Quantum SVD and Linear-Layer-Enhanced Quantum LSTM
2026-10-28 Pages S1-S27
Authors: Yutong Lou, Dunhui Xiao
DOI: 10.1137/26m1844852