# Green Journals

International Approved Journals

## Journal Information

| | |
|---|---|
| **Journal Title** | APPLIED NUMERICAL MATHEMATICS |
| **Publisher** | ELSEVIER |
| **ISSN** | 0168-9274 |
| **E-ISSN** | 1873-5460 |
| **Database** | Clarivate |
| **Domain** | Physical Sciences, Social Sciences |

## Classification History

| Year | A+ | A | B | C |
|---|---|---|---|---|
| **2026** | | ✓ | ✓ | |
| **2025** | | ✓ | ✓ | |
| **2024** | | ✓ | ✓ | |
| **2023** | | ✓ | ✓ | |
| **2021/2022** | | ✓ | ✓ | |
| **2020** | | ✓ | ✓ | |
| **2019** | | ✓ | ✓ | |
| **2018** | | ✓ | | |

**Classification:** The table above shows all journal classifications recorded for each classification year in the Green Journals database. A journal may have more than one classification in the same year.

## Recent Articles

**Energy-preserving finite difference scheme for 2D generalized elastic wave equations with second-order strain gradient effects**
2027-2 Vol. 232 Pages 1-14
Authors: Jianli Liu, Yujiao Wang, Baohui Hou
DOI: 10.1016/j.apnum.2026.10.010

**A variable metric smoothing proximal gradient algorithm with extrapolation for nonsmooth convex optimization**
2027-2 Vol. 232 Pages 15-32
Authors: Jie Zhang
DOI: 10.1016/j.apnum.2026.10.018

**Optimal error estimates of finite difference schemes for the Keller–Segel system**
2027-1 Vol. 231 Pages 135-154
Authors: Sui Li, Fenghua Tong
DOI: 10.1016/j.apnum.2026.09.012

**Fractional Nonlinear Schrödinger Equation Revisited; A Class of Riccati Soliton Solutions**
2027-1 Vol. 231 Pages 235-262
Authors: Morteza Nattagh Najafi, Fatemeh Foroughirad
DOI: 10.1016/j.apnum.2026.09.014

**Analysis of implicit-explicit BDF local discontinuous Galerkin methods for convection-diffusion problems with Dirichlet and Neumann boundary conditions**
2027-1 Vol. 231 Pages 303-323
Authors: Haijin Wang, Qiang Zhang, Yuan Xu
DOI: 10.1016/j.apnum.2026.10.001

**An arbitrary Lagrangian–Eulerian local discontinuous Galerkin method with implicit–explicit time discretization for nonlinear fourth-order problems on moving meshes**
2027-1 Vol. 231 Pages 155-183
Authors: Tarek Aboelenen, Mahmoud A. Zaky, Saleh F. Aljurbua
DOI: 10.1016/j.apnum.2026.09.005

**Error estimates of the Strang splitting scaled Laguerre-Fourier pseudospectral method for the coupled rotational Gross-Pitaevskii equations**
2027-1 Vol. 231 Pages 572-593
Authors: Yongyong Cai, Yingkai Li
DOI: 10.1016/j.apnum.2026.10.015

**A positivity-preserving adaptive finite volume method for the ternary Allen–Cahn equation**
2027-1 Vol. 231 Pages 457-479
Authors: Jilong He, Junseok Kim
DOI: 10.1016/j.apnum.2026.10.008

**Semi-implicit strategies for the Serre-Green-Naghdi equations in hyperbolic form. Is hyperbolic relaxation really a good idea?**
2027-1 Vol. 231 Pages 550-571
Authors: Emanuele Macca, Walter Boscheri, Mario Ricchiuto
DOI: 10.1016/j.apnum.2026.10.014

**Unconditional uniform exponential stability of a structure-preserving finite difference scheme for two coupled wave equations with a dynamic interior mass**
2027-1 Vol. 231 Pages 533-549
Authors: Ahmet Özkan Özer
DOI: 10.1016/j.apnum.2026.10.013