

Gradient recovery based a posteriori error estimator for the adaptive direct discontinuous Galerkin method
Huihui Cao, Yunqing Huang, Nianyu Yi, Article: 18

Spectral methods in space and time for parabolic problems on semi-infinite domains
Xuhong Yu, Zhongqing Wang, Article: 17

New error estimates of Lagrange–Galerkin methods for the advection equation
Rodolfo Bermejo, Jaime Carpio Laura Saavedra, Article: 16

Characterization of Sobolev spaces by their Fourier coefficients in axisymmetric domains
Martin Costabel, Monique Dauge, Jun-Qi Hu, Article: 15

Explicit error bound of the fast multipole method for scattering problems in 2-D
Wenhui Meng, Article: 14

A two-grid temporal second-order scheme for the two-dimensional nonlinear Volterra integro-differential equation with weakly singular kernel
Hao Chen, Wenlin Qiu, Ahmed S. Hendy, Article: 13

One-stage explicit trigonometric integrators for effectively solving quasilinear wave equations
Ting Li, Changying Liu, Bin Wang, Article: 12

Data-driven sparse identification of nonlinear dynamical systems using linear multistep methods
Hao Chen, Article: 11

Optimal error estimates of spectral Galerkin method for mixed diffusion equations
Zhaopeng Hao, Article: 10

Matrix completion with sparse measurement errors
Sergey Petrov, Nikolai Zamarashkin, Article: 9

Shape preserving rational $[3/2]$ Hermite interpolatory subdivision scheme
Shubhashree Bebartta, Mahendra Kumar Jena, Article: 8

Structural backward stability in rational eigenvalue problems solved via block Kronecker linearizations
Froilán M. Dopico, María C. Quintana, Paul Van Dooren, Article: 7

On the acceleration of optimal regularization algorithms for linear ill-posed inverse problems
Ye Zhang, Article: 6

Graph-theoretic algorithms for Kolmogorov operators: approximating solutions and their gradients in elliptic and parabolic problems on manifolds
Andrew D. Davis, Dimitrios Giannakis, Article: 5

A preconditioned tensor splitting iteration method and associated global correction technique for solving multilinear systems

Baohua Huang, Article: 4

Convergence of a Jacobi-type method for the approximate orthogonal tensor diagonalization

Erna Begović Kovač, Article: 3

Flux globalization based well-balanced central-upwind scheme for one-dimensional blood flow models

Shaoshuai Chu, Alexander Kurganov, Article: 2

Multiphysics finite element method for a nonlinear poroelasticity model with finite strain

Zhihao Ge, Hui Lou, Article: 1