

## CONTENTS

Abstracted/indexed in ACM Guide to Computing Literature, Chemical Abstracts, CompuMath Citation Index, Current Contents/Physics / Chemistry & Earth Science, Excerpta Medica, Mathematical Reviews, Research Alert, Science Abstracts, Science Citation Index. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

- 8489 **Numerical computations for long-wave short-wave interaction equations in semi-classical limit**  
Q. Chang, Y.-S. Wong and C.-K. Lin
- 8508 **Multiple extremal eigenpairs by the power method**  
J.E. Gubernatis and T.E. Booth
- 8523 **A one-parameter family of interpolating kernels for smoothed particle hydrodynamics studies**  
R.M. Cabezón, D. García-Senz and A. Relaño
- 8541 **Statistical moments of the random linear transport equation**  
F.A. Dorini and M.C.C. Cunha
- 8551 **Fast electrostatic force calculation on parallel computer clusters**  
A. Kia, D. Kim and E. Darve
- 8568 **SPH simulations of swimming linked bodies**  
J. Kajtar and J.J. Monaghan
- 8588 **Spectral Chebyshev–Fourier collocation for the Helmholtz and variable coefficient equations in a disk**  
B. Bialecki and A. Karageorghis
- 8604 **Iterative multiscale finite-volume method**  
H. Hajibeygi, G. Bonfigli, M.A. Hesse and P. Jenny
- 8622 **Compensated optimal grids for elliptic boundary-value problems**  
F. Posta, S.Y. Shvartsman and C.B. Muratov
- 8636 **An immersed boundary method for smoothed particle hydrodynamics of self-propelled swimmers**  
S.E. Hieber and P. Koumoutsakos
- 8655 **Accuracy of higher-order lattice Boltzmann methods for microscale flows with finite Knudsen numbers**  
S.H. Kim, H. Pitsch and I.D. Boyd
- 8672 **A numerical scheme for optimal transition paths of stochastic chemical kinetic systems**  
D. Liu
- 8685 **A domain decomposition solver for acoustic scattering by elastic objects in layered media**  
K. Ito, Z. Qiao and J. Toivanen

*Continued inside*



0021-9991(20081001)227:19;1-J

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

