

Communications in Computational Physics

Volume 2, Issue 3, June 2007

Papers also published electronically

<http://www.global-sci.com>

Editor-in-Chief:

Xian-Tu He *Institute of Applied Physics and Computational Mathematics (IAPCM)
Beijing*

Managing Editors:

Longjun Shen *IAPCM, Beijing*

Tao Tang *Hong Kong Baptist University*

Associate Editors:

Gang Bao

John Boyd

Wei Cai

Shiyi Chen

Masao Doi

Weinan E

Huajian Gao

Shiwu Gao

Xingao Gong

Hong Guo

Song Jiang

Yipeng Jing

George Karniadakis

Boo-Cheong Khoo

David P. Landau

Haiqing Lin

Zhihong Lin

Wing Kam Liu

Stanley Osher

Jie Shen

Chi-Wang Shu

Dietrich Stauffer

Sauro Succi

Eitan Tadmor

Hideaki Takabe

Lei-han Tang

Roger Temam

Bin Wang

Dingsheng Wang

Xiaoqun Wang

Kun Xu

Takashi Yabe

Pingwen Zhang

Yao Zheng

Editor-in-Chief:**Xian-Tu He**

Institute of Applied Physics and
Computational Mathematics,
Beijing 100088, China

Managing Editors:**Longjun Shen**

Institute of Applied Physics and
Computational Mathematics,
Beijing 100088, China

Tao Tang

Department of Mathematics, Hong
Kong Baptist University, Kowloon
Tong, Hong Kong

Associate Editors:**Gang Bao**

Department of Mathematics, Michigan
State University, East Lansing, MI
48824-1027, USA

John Boyd

Department of Atmospheric, Oceanic
and Space Sciences, University of
Michigan, Ann Arbor, MI 48109, USA

Wei Cai

Department of Mathematics,
University of North Carolina at
Charlotte, Charlotte, NC 28223, USA

Shiyi Chen

Department of Mechanical
Engineering, The Johns Hopkins
University, MD 21218, USA

Masao Doi

Department of Applied Physics,
Graduate School of Engineering, The
University of Tokyo, Tokyo, Japan

Weinan E

Program in Applied & Computational
Mathematics, Princeton University,
Princeton, NJ 08544-1000, USA

Huajian Gao

Division of Engineering, Brown
University, Providence, RI 02912,
USA

Shiwu Gao

Institute of Physics, Chinese Academy
of Sciences, Beijing 100080, China

Xingao Gong

Department of Physics, Fudan
University, Shanghai, China

Hong Guo

Department of Physics, McGill
University, Montreal, PQ H3A 2T8,
Canada

Song Jiang

Institute of Applied Physics and
Computational Mathematics,
Beijing 100088, China

Yipeng Jing

Shanghai Astronomical
Observatory, Chinese Academy of
Sciences, Shanghai 200030, China

George Karniadakis

Division of Applied Mathematics,
Brown University, Providence RI
02912, USA

Boo-Cheong Khoo

Department of Mechanical &
Production Engineering, National
Univ. of Singapore, Singapore

David P. Landau

Department of Physics and
Astronomy, The University of
Georgia, GA 30602-2451, USA

Haiqing Lin

Department of Physics, The
Chinese University of Hong Kong,
Shatin, Hong Kong

Zhihong Lin

Department of Physics and
Astronomy, University of
California, Irvine, USA

Wing Kam Liu

Department of Mechanical
Engineering, Northwestern
University, Evanston, USA

Stanley Osher

Department of Mathematics,
University of California, Los
Angeles, CA 90095-1555, USA

Jie Shen

Department of Mathematics,
Purdue University, West Lafayette,
IN 47907-2067, USA

Chi-Wang Shu

Division of Applied Mathematics,
Brown University, Providence, RI
02912, USA

Dietrich Stauffer

Department of Theoretical Physics,
University of Cologne, Cologne,
Germany

Sauro Succi

Istituto per le Applicazioni del
Calcolo "Mauro Picone" del C.N.R.,
Viale del Policlinico 137, Italy

Eitan Tadmor

Center for Scientific Computation
& Mathematical Modeling,
University of Maryland, USA

Hideaki Takabe

Institute of Laser Engineering,
Osaka University, Osaka 565-0871,
Japan

Lei-han Tang

Department of Physics, Hong Kong
Baptist University, Kowloon Tong,
Hong Kong

Roger Temam

Institute for Scientific Computing
and Applied Mathematics, Indiana
University, Bloomington, USA

Bin Wang

LASG, Institute of Atmospheric
Physics, Chinese Academy of
Sciences, Beijing 100029, China

Dingsheng Wang

Institute of Physics, Chinese
Academy of Sciences, Beijing
100080, China

Xiaoqun Wang

Department of Physics, Renmin
University of China, Beijing, China

Kun Xu

Department of Mathematics, The
Hong Kong University of Science &
Technology, Kowloon, Hong Kong

Takashi Yabe

Department of Mechanical
Engineering & Science, Tokyo
Institute of Technology, Japan

Pingwen Zhang

School of Mathematical Sciences,
Peking University, Beijing 100871,
China

Yao Zheng

Center for Engineering & Scientific
Computation, Zhejiang University,
Zhejiang 310027, China

Communications in Computational Physics