



COMPUTER PHYSICS COMMUNICATIONS

An International Journal and Program Library for Computational Physics and Physical Chemistry

AUTHOR INFORMATION PACK

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ISSN: 0010-4655

DESCRIPTION

Computer Physics Communications publishes research papers and computer program descriptions in **computational physics** and **physical chemistry**: the focus is on **computational methods** and **techniques** rather than results. All contributions are peer reviewed. Special issues are published on an occasional basis; enquiries should be directed to a member of the [Editorial Board](#). Some papers describe computer programs that are deposited in the CPC Program Library which, with over 2,000 programs contributed since 1969, is a major computational resource for the community. Programs are available at <http://cpc.cs.qub.ac.uk> and are free to members of institutions with an institutional journal subscription.

Articles cover:

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- computational models and programs associated with the design, control and analysis of experiments;
- **numerical methods** and **algorithms**;
- **algebraic computation**;
- the impact of **advanced computer architecture** and special purpose computers on computing in the physical sciences; and
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AUDIENCE

Experimental and theoretical physicists and chemists in all fields of physics working with computational techniques.

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Kurt Kremer, Max Planck Institute (MPI) for Polymer Research, Mainz, Germany

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INTRODUCTION

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The CPC Program Library is located at <http://cpc.cs.qub.ac.uk>

The Elsevier Editorial System (EES) is located at <http://ees.elsevier.com/cpc>

Scope

Articles cover: computational models and programs in physics and physical chemistry; computational models and programs associated with the design, control and analysis of experiments; numerical methods and algorithms; algebraic computation; the impact of advanced computer architecture and special purpose computers on computing in the physical sciences; and software topics related to the physical sciences.

Types of contribution

Computer Physics Communications publishes the following types of papers. Special issues and conference proceedings are published on an occasional basis; enquiries should be directed to a member of the Editorial Board.

Computational Physics Papers (CP). These are research papers in any area of computational physics or computational physical chemistry.

Computer Programs in Physics Papers (CPIP). These are full papers describing new or revised programs to be placed in the CPC Program Library. A description of the CPC Program Library is available at <http://cpc.cs.qub.ac.uk>.

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Computer Programs in Physics Papers

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