

An International Journal
Devoted to Reliable Mathematical Computations
Based on Finite Representation and Guaranteed Accuracy

RELIABLE COMPUTING

Editor-in-Chief:

V. M. Nesterov
St.Petersburg, Russia

Editorial Board:

G. Alefeld, Karlsruhe, Germany;	A. Cuyt, Antwerp, Belgium;
B. S. Dobronets, Krasnoyarsk, Russia;	J. Garloff, Konstanz, Germany;
R. B. Kearfott, Lafayette, LA, USA;	V. Kreinovich, El Paso, TX, USA;
S. M. Markov, Sofia, Bulgaria;	G. Mayer, Rostock, Germany;
E. A. Musaev, St.Petersburg, Russia;	M. T. Nakao, Fukuoka, Japan;
H. Ratschek, Düsseldorf, Germany;	J. Rokne, Calgary, Canada;
S. M. Rump, Hamburg, Germany;	A. L. Semenov, Moscow, Russia;
S. P. Shary, Novosibirsk, Russia;	G. W. Walster, Mountain View, USA;
E. Walter, Gif-sur-Yvette, France;	J. Wolff von Gudenberg, Würzburg, Germany;
A. G. Yakovlev, Moscow, Russia;	V. S. Zyuzin, Saratov, Russia

Reliable Computing is devoted to various aspects of reliable numerical computations based on the interval approach. Managed by an international editorial board from Belgium, Bulgaria, Canada, France, Germany, Japan, Russia and the United States, it includes various items in the fields of theoretical research, computer tools, applications, interdisciplinary research and other relevant areas. *Reliable Computing* also publishes proceedings of international conferences, such as Interval, SCAN, etc.

The journal includes: original papers, surveys and tutorials, reports on new computer tools, bibliographies, reviews of new books, letters to the editor, information about scientific meetings.

Subscription Information

ISSN 1385-3139

1997, Volume 3 (4 issues)

Subscription Rate: NLG 420.00, incl. postage & handling

All applications concerning subscription should be directed to:

KLUWER ACADEMIC PUBLISHERS GROUP

Order Dept., P.O. Box 322

3300 AH Dordrecht, The Netherlands

Tel: +31-78-6392392

E-mail: services@wkap.nl

Fax: +31-78-6546474

WWW: <http://www.wkap.nl>

Peter Fishburn receives von Neumann prize

Питер Фишбурн получает премию фон Неймана

PETER C. FISHBURN, researcher from the Lucent Bell Laboratories (formerly, AT&T Bell Labs) and a pioneer in application of intervals to decision making, has been awarded the 1996 John von Neumann Prize, the highest prize given in the field of operations research and management science. This prize was awarded by the Institute for Operations Research and the Management Sciences to Fishburn "for his remarkable, extensive, and seminal contributions to the fields of individual and group choice under uncertainty."

Among other methods, Fishburn pioneered the use of intervals in decision making, first in his 1964 book *Decision and Value Theory* (Wiley, N.Y.) and, then, in his seminal monograph *Interval Orders and Interval Graphs*, Wiley, N.Y., 1985.

Best student paper award

Приз за лучшую студенческую работу

In 1993, the editorial board of the *Interval Computations* journal (now called *Reliable Computing*) announced that papers submitted for the special student issue will be automatically entered into an annual Best Student Paper contest.

The referee reports and the reports from the members of the editorial board of *Reliable Computing* served as the basis for choosing the best paper. It was a difficult decision to make because we have received several excellent papers.

We are pleased to announce the results. The 1996 best student paper award is conferred to the paper *Newton's constant of gravitation and verified numerical quadrature* by Oliver Holtzmann, Bruno Lang, and Holger Schuett. This paper is published in *Reliable Computing* 2 (3) (1996), pp. 229–240.

In addition to being a very good paper, it is devoted to an important application (measuring the gravitational constant) that has led to a good publicity for interval computations (in *Discover*, one of the major popular science journals).

Congratulations to Oliver Holtzmann, the student author of this paper, and thanks to all other students authors for their excellent job.

Oliver Holtzmann, the student author of this paper, will, as promised, get a free one-year subscription to *Reliable Computing*.

VLADIK KREINOVICH and GÜNTER MAYER,
co-editors of the student issue