



CATALOGUE

# COMPUTER SCIENCE 2014

# CONTENTS

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3	BOOST THE SITE. METHODS OF WEB PAGES OPTIMIZATION
3	COMPUTER MODELING OF PHYSICAL PROCESSES
4	FUNCTIONAL AND LOGIC PROGRAMMING: MANUAL, 2 <sup>nd</sup> ED.
4	INTERACTIVE GRAPHIC SYSTEMS
5	JET WEB SITES. CLIENT OPTIMIZATION IN ALGORITHMS AND EXAMPLES
5	MAINTENANCE SERVICE OF COMPUTING MASHINERY
6	OPERATING SYSTEMS
6	PROBLEMS IN PROGRAMMING, 2 <sup>nd</sup> ED., REV.
7	TECHNOLOGIES OF MULTIMEDIA AND PERCEPTION OF SENSATIONS

# COMPUTER ENGINEERING

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## BOOST THE SITE. METHODS OF WEB PAGES OPTIMIZATION

*N. S. Matsievsky*

*ISBN 978-5-9963-0024-2*

*264 pp.*

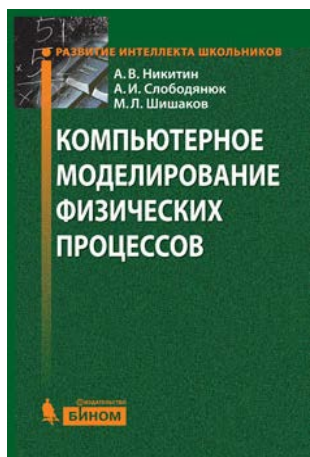
*145 x 215 mm, hardcover*

*2009*

The site brakes, and you do not know how to manage it? The quantity of animation on one page has exceeded all conceivable and inconceivable borders, and you do not know what to do? The page contains tens and hundreds of pictures, the designer has surpassed himself, and now the site loads terribly slowly? This book will help to cope with those and other problems dealing with

client productivity.

**Nikolay S. Matsievsky** Professional interests are concentrated in the field of client optimization and practical methods on manyfold time reduction of web pages loading.



## COMPUTER MODELING OF PHYSICAL PROCESSES

*A. V. Nikitin, A. I. Slobodjanjuk, M. L. Shishakov*

*ISBN 978-5-94774-966-3*

*679 pp., hardcover*

*145 x 215 mm*

*2011*

The book describes more than 30 various physical processes models. It presents all stages of mathematical modeling: statement of problem and its linguistic description, construction of mathematical model and solving algorithm, program realization, computing experiment, analysis of the results.

The CD contains files with the models described in the book, and also appendices to the book's basic material.

The book is intended for higher school students.



## FUNCTIONAL AND LOGIC PROGRAMMING: MANUAL, 2<sup>nd</sup> ED.

A. L. Ezdakov

ISBN 978-5-9963-0575-9

119 pp.

145 x 215 mm, hardcover

2011

The manual describes the basic aspects of functional and logic programming on Lisp and Turbo-Prologue languages. The book is intended for higher school students.

**Andrey L. Ezdakov** The senior lecturer of the Moscow Institute of Electronic Technology. The author of a considerable quantity of scientific, methodical and popular works.



## INTERACTIVE GRAPHIC SYSTEMS

V. I. Korneev

ISBN 978-5-94774-965-6

232 pp.

145 x 215 mm, hardcover

2009

The book presents the basic methods and algorithms of graphic representations construction. Methods of two-dimensional images modeling movement (animation), using of splines and three-dimensional surfaces construction are analyzed in detail. A reader would find a comparison of graphic programming principles in a popular operating system in past MS-DOS and in modern operating system Windows. The material is illustrated by listings of programs in C/C ++ language, including Windows API-functions.

language, including Windows API-functions.

The book is intended for the students mastering "Information Technology and Computing Machinery" discipline.

**Victor I. Korneev** Ph.D. in Physics and Mathematics, the senior lecturer of the Moscow Institute of Electronic Technology.



## **JET WEB SITES. CLIENT OPTIMIZATION IN ALGORITHMS AND EXAMPLES**

*N. S. Matsievsky, E. V. Stepanischev, G. I. Kondratenko*

*ISBN 978-5-9963-0253-6*

*335 pp.*

*145 x 215 mm, hardcover*

*2010*

The edition consolidates a large quantity of applied councils, algorithms and step-by-step managements which should help the beginning experts, already familiar with area of client optimization, to understand subtleties of sites work acceleration more deeply. Collected experience of world known experts, the book becomes a directory of the best instill practices for professionals.

**Nikolay S. Matsievsky** Professional interests are concentrated in the field of client optimization and practical methods on manyfold time reduction of web pages loading.



## **MAINTENANCE SERVICE OF COMPUTING MASHINERY**

*M. D. Loginov, T. A. Loginov*

*ISBN 978-5-9963-0085-3*

*319 pp., hardcover*

*145 x 215 mm*

*2010*

The book describes all stages of computing machinery maintenance service — from preventive maintenance till repair. A reader would get acquainted with different types of computers malfunctions' control and diagnostics, remote terminal units and local computer networks, and also with the basic ways of their elimination. The manual contains description of various service equipments and software. The book also deals with the current issues of recycling as well as

power- and resource saving.

**Michael D. Loginov** Teacher of the Tula State Machine-Building College (speciality «Maintenance service of computing machinery and computer networks»), he also works as systems engineer and systems administrator.

**Tatyana A. Loginova** Teacher of the Tula State Machine-Building College («Maintenance Service of Computing Machinery and Computer Networks» and «Software of Computing Machinery and Automated Systems»).



## OPERATING SYSTEMS

*V. M. Iljushechkin*

*ISBN 978-5-94774-963-2*

*111 pp.*

*145 x 215 mm, hardcover*

*2009*

The book introduces basic concepts of operating systems construction and functioning principles. Most of the topics are given on the basis of UNIX operating system.

The book is intended for the students mastering "Information Technology and Computing Machinery" discipline.

**Vladimir M. Iljushechkin** Professor of the Moscow Institute of Electronic Technology, Ph.D. in Engineering. The experience of scientific and pedagogical work in higher school is 35 years. The author of 10 books on programming and information technology.



## PROBLEMS IN PROGRAMMING, 2<sup>ND</sup> ED., REV.

*S. M. Okulov [etc.], edited by S. M. Okulov*

*ISBN 978-5-9963-0630-5*

*823 pp., hardcover*

*145 x 215 mm*

**2014**

The book contains a large set of problems in programming that will allow teachers to teach school leavers and students with different levels of initial training, thus forming their individual educational trajectories. The problems are matched to gradual increase of complexity and accompanied by the solutions on Pascal. The solutions can help students to conduct detailed analysis, find inaccuracies, create their own versions of improved programs, etc.

The book is intended for computer science teachers, school leavers and students.



## TECHNOLOGIES OF MULTIMEDIA AND PERCEPTION OF SENSATIONS

*A. V. Krapivenko*

*ISBN 978-5-94774-967-0*

*271 pp.*

*165 x 235 mm, hardcover*

*2009*

Various aspects of multimedia technologies influence on perception of the information by human sense organs are considered in detail in this book. Effects of perception are explained, on the basis of physiological, psychological, cultural, physical and information concepts. Different ways of computer influence on user's

sensations are described. The book gives practical recommendations for developers of a virtual reality systems, multimedia appendices and the corresponding peripheral equipment.

The book is intended for the students mastering "Information Technology and Computing Machinery" discipline, specialists, and also for everyone interested in interaction of computer user and multimedia technologies modern means issues.

**Andrey V. Krapivenko** Ph.D. in Physics and Mathematics, the senior lecturer of the Moscow Aviation Institute. The basic sphere of scientific interests: multimedia technologies, processing of digital video, fractals, management in IT disciplines. The author of more than 15 printing works.

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