

Computer Science 2007

New and Forthcoming Titles from Cambridge www.cambridge.org/computerscience

Numerical Recipes: Third Edition

The Art of Scientific Computing

William H. Press

University of Texas, Austin

Saul A. Teukolsky

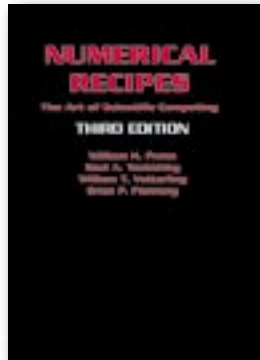
Cornell University, New York

William T. Vetterling

ZINK Imaging, LLC

and Brian P. Flannery

Exxon Mobil Corporation



'... if you were to have only a single book on numerical methods, this is the one I would recommend.'
IEEE Computational Science Engineering

The third edition of Numerical Recipes has easy access to the latest methods in scientific computing, with wider coverage than ever before, many new, extended and enhanced sections, and two completely new chapters.

- The ultimate handbook for scientific computing, now with greater coverage than ever before
- Now covers material used for contemporary applications like bioinformatics, computer graphics, machine learning, information retrieval and data mining
- New routines for classification and inference, HMMs and SVMs, computational geometry, ODEs, interior point methods for linear programming, and MCMC

Available separately, or as a money-saving bundle with the book, the Numerical Recipes Third Edition CD-ROM comes with all the routines from this new edition. Plus, it contains code from all previous editions and language versions of Numerical Recipes.

For support, to subscribe to an online version, or for more general licenses, please visit www.nr.com.

For more information, or to buy the book, the CD-ROM, or the money-saving book/CD bundle visit: www.cambridge.org/nr

Numerical Recipes 3rd Edition

978-0-521-88068-8 **Hardback** £45.00

Numerical Recipes 3rd Edition, CD-ROM

978-0-521-70685-8 £45.00+VAT

Numerical Recipes, 3rd Edition, Hardback with CD-ROM

978-0-521-88407-5 £80.00+VAT

A First Course in Statistical Programming with R

W. John Braun

University of Western Ontario

and Duncan J. Murdoch

University of Western Ontario



The only introduction you'll need to start programming in R. Co-written by one of the R Core Development Team, and by an established R author, the book comes with real R code that complies with the standards of the language. Learning the language is made easier by the frequent exercises and end-of-chapter reviews that help you progress confidently through the book. Solutions, datasets and any errata will be available from the book's web site.

2007 246 x 189 mm 224pp

39 line diagrams 160 exercises 64 worked examples

978-0-521-87265-2 **Hardback** c.£60.00

978-0-521-69424-7 **Paperback** c.£23.99

Textbook

Data Structures and Algorithms Using C#

Michael McMillan

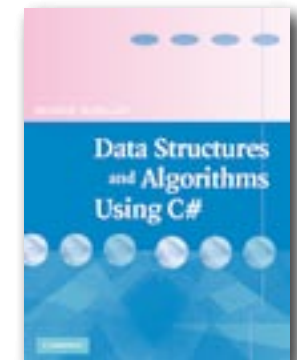
Pulaski Technical College, Arkansas

Lecturers: no more translating data structures from C++ or Java to use in your C# course! Mike McMillan has written the first textbook for C# implementation of data structures and algorithms found in the .NET Framework library.

Contents: Preliminaries; 1. Collections; 2. Arrays and arraylists; 3. Basic sorting algorithms; 4. Basic searching algorithms; 5. Stacks and queues; 6. The bitarray class; 7. Strings, the string class and the stringbuilder class; 8. Pattern matching and text processing; 9. Building dictionaries - the dictionarybase class and the sortedlist class; 10. Hashing and the hashtable class; 11. Linked lists; 12. Binary trees and binary search trees; 13. Sets; 14. Advanced sorting algorithms; 15. Advanced data structures and algorithms for searching; 16. Graphs and graph algorithms; 17. Advanced algorithms.

2007 253 x 177 mm 366pp 11 tables 67 exercises

978-0-521-67015-9 **Paperback** £23.99



Textbook**Programming in Haskell****Graham Hutton**

University of Nottingham

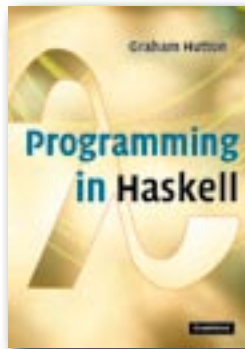
'The best introduction to Haskell available. There are many paths towards becoming comfortable and competent with the language but I think studying this book is the quickest path. I urge readers of this magazine to recommend Programming in Haskell to anyone who has been thinking about learning the language.'

Duncan Coutts, The Monad Reader

- The first new textbook for the new version of Haskell
- Ideal for beginners – needs no previous programming experience
- Lecturers can get solutions, extra questions (with solutions), and powerpoint slides from www.cambridge.org

Contents: Preface; 1. Introduction; 2. First steps; 3. Types and classes; 4. Defining functions; 5. List comprehensions; 6. Recursive functions; 7. Higher-order functions; 8. Functional parsers; 9. Interactive programs; 10. Declaring types and classes; 11. The countdown problem; 12. Lazy evaluation; 13. Reasoning about programs; Appendix A: a standard prelude; Appendix B: symbol table; Bibliography; Index.

2007 247 x 174 mm 184pp 81 exercises
 978-0-521-87172-3 Hardback £60.00
 978-0-521-69269-4 Paperback £23.99

**Concurrent and Real-Time Programming in Ada****Alan Burns**

University of York

and Andy Wellings

University of York

Following from *Concurrency in Ada*, this book discusses both the new Ada 2005 language and the recent advances in real-time programming techniques. Every Ada programmer will find it essential reading and a primary reference work that will sit alongside the language reference manual.

2007 247 x 174 mm 476pp 29 line diagrams 17 tables 29 figures
 978-0-521-86697-2 Hardback £40.00

**Geometric Folding Algorithms**

Linkages, Origami, Polyhedra

Erik D. Demaine

Massachusetts Institute of Technology

and Joseph O'Rourke

Smith College, Massachusetts

How does an umbrella fold? What is the maths of origami, and behind crumple zones in cars? Emphasizing algorithmic and computational aspects, this intriguing treatment of the geometry of folding and unfolding presents hundreds of results and over 60 open problems. Aimed primarily at advanced undergraduates and graduates in mathematics or computer science, this lavishly illustrated book will fascinate a broad audience, from students to researchers.

2007 253 x 177 mm 496pp
 978-0-521-85757-4 Hardback £55.00

Parallel Processing for Scientific Computing

Edited by Michael A. Heroux

Sandia National Laboratory

Padma Raghavan

Pennsylvania State University

and Horst D. Simon

Lawrence Berkeley National Laboratory

The first book on the subject in 10 years, this is an up-to-date reference for researchers and application developers on the state of the art in scientific computing. The book also serves as an excellent overview and introduction, especially for graduate and senior-level undergraduate students interested in computational modeling and simulation and related computer science and applied mathematics aspects.

Software, Environments and Tools, 20
 2007 228 x 152 mm 420pp
 978-0-89871-619-1 Paperback £50.00

The Text Mining Handbook

Advanced Approaches in Analyzing Unstructured Data

Ronen Feldman

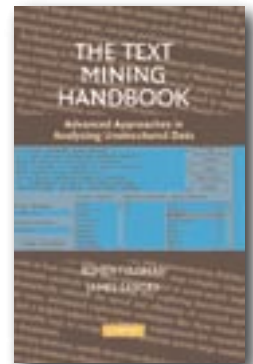
Hebrew University of Jerusalem

and James Sanger

ABS Ventures, Boston, Massachusetts

Text mining was created to solve the crisis of information overload by combining techniques from data mining, machine learning, natural language processing, information retrieval, and knowledge management. In addition to providing an in-depth examination of core text mining and link detection algorithms and operations, the book examines advanced pre-processing techniques, knowledge representation considerations, and visualization approaches, ending with real-world applications.

2007 253 x 177 mm 422pp
 978-0-521-83657-9 Hardback £40.00

**Forthcoming****Statistical Machine Translation****Philipp Koehn,**

University of Edinburgh

On the Web, we can retrieve everything, but we can only read it if we know the language. In search of a killer app, Google has thrown its muscle behind statistical machine translation. Classroom-tested in courses and tutorials, this introduction has all the theory and methods needed to build a statistical machine translator. It is ideal for instruction or self-study, for advanced undergraduates or graduates in computer science, graduate students in computational linguistics, and researchers in natural language processing. The companion website provides open-source material and tool-kits.

2007 247 x 174 mm 300 pages 70 exercises
 978-0-521-87415-1 Hardback c.£30.00

Introduction to Clustering Large and High-Dimensional Data

Jacob Kogan

University of Maryland, Baltimore

This book focuses on some of the most important clustering algorithms, providing a detailed account of these major models in an information retrieval context. The beginning chapters introduce the classic algorithms in detail, while the later chapters describe clustering through divergences and covers recent research for more advanced audiences.

2007 228 x 152 mm 222pp
978-0-521-85267-8 Hardback £45.00
978-0-521-61793-2 Paperback £17.99

Data Clustering: Theory, Algorithms, and Applications

Guojun Gan

York University, Toronto

Chaoqun Ma

Hunan University, China

and Jianhong Wu

York University, Toronto

Enables readers and users to easily identify an appropriate algorithm for their applications, by using examples of clustering applications to illustrate the advantages and shortcomings of different clustering architectures and algorithms.

ASA-SIAM Series on Statistics and Applied Probability, 20

2007 247 x 174 mm 480pp
978-0-89871-623-8 Paperback £60.00
Not for sale in North America

Algorithms on Strings

Maxime Crochemore

Christophe Hancart

and Thierry Lecroq

Université de Rouen

This text on string processes and pattern matching presents examples related to the automatic processing of natural language, to the analysis of molecular sequences and to the management of textual databases. Algorithms are described in a C-like language, with correctness proofs and complexity analysis, to make them ready to implement.

2007 228 x 152 mm 392pp 6 tables 142 exercises
978-0-521-84899-2 Hardback £40.00

Learning Theory

An Approximation Theory Viewpoint

Felipe Cucker

City University of Hong Kong

and Ding Xuan Zhou

City University of Hong Kong

Gives a general overview of the theoretical foundations of learning theory, and it is the first book to emphasize the approximation theory viewpoint. This emphasis fulfils two purposes: it provides a balanced viewpoint of the subject, and will attract mathematicians working on related fields who will find the problems raised in learning theory close to their interests.

Cambridge Monographs on Applied and Computational Mathematics, 24

2007 228 x 152 mm 236pp 20 line diagrams
978-0-521-86559-3 Hardback £35.00

Algorithmic Game Theory

Edited by Noam Nisan

Hebrew University of Jerusalem

Tim Roughgarden

Stanford University, California

Eva Tardos

Cornell University, New York

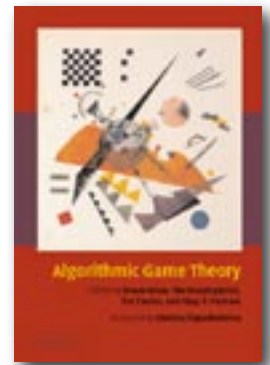
and Vijay V. Vazirani

Georgia Institute of Technology

This is the first book to thoroughly cover this new topic. As well as the subject being fascinating in its own right, there are many applications to e-commerce and, for example, combinatorial auctions on the web. All the chapters are written in a teachable style, with good examples, and most chapters have exercises so the book is great for teaching courses like: advanced e-commerce; computational economics and of course, algorithmic game theory.

- First book to cover the whole spectrum of algorithmic game theory
- Contributions by all the major researchers in the field
- Applied chapters by researchers and consultants at major firms such as Yahoo, Lehman Brothers, IBM and Microsoft

2007 253 x 177 mm 760pp 36 line diagrams
978-0-521-87282-9 Hardback £30.00



Networks

Optimisation and Evolution

Peter Whittle

University of Cambridge

A masterful description of the key strategies of contemporary network design covering applications in neural nets, communications, road networks, the Internet, and much more.

- D'Arcy Thompson for the 21st century: path-breaking work on optimisation of network structure
- Author is renowned for his fundamental work on networks and optimisation
- Comprehensible, realistic design principles that accord with the evolution of networks in nature

Cambridge Series in Statistical and Probabilistic Mathematics, 21

2007 228 x 152 mm 282pp 79 line diagrams
978-0-521-87100-6 Hardback £35.00



Control Techniques for Complex Networks

Sean Meyn,

University of Illinois, Urbana-Champaign

Interconnectedness has consequences; some we want to model, others to control. This book introduces network models detailed enough to capture essential dynamics, but simple enough to expose the structure of effective control solutions. Examples and figures throughout make abstractions concrete. Solutions to end-of-chapter exercises are available on companion website.

2007 253 x 177 mm 600 pages 100 exercises 115 figures
978-0-521-88441-9 Hardback c.£40.00

Random Networks for Communication

From Statistical Physics to Information Systems

Massimo Franceschetti

University of California, San Diego

and Ronald Meester

Vrije Universiteit, Amsterdam

When is a random network (almost) connected? How much information can it carry? How can you find a particular destination within the network? How do you approach these questions when the network is random? Read this book to find out. The material is motivated by applications to wireless data networks, and is written in a clear and rigorous style. Models developed are also of interest in a broader context, ranging from engineering to social networks, biology, and physics.

Cambridge Series in Statistical and Probabilistic Mathematics, 24

2007 253 x 177 mm 248pp

65 line diagrams 2 half-tones 2 graphs 60 exercises 70 figures

978-0-521-85442-9 Hardback c.£30.00

Textbook

Introduction to Computational Genomics

A Case Studies Approach

Nello Cristianini

University of Bristol

and Matthew W. Hahn

Indiana University, Bloomington

Based on the successful taught course at University of California, Davis, this book explains Bioinformatics for students with backgrounds either in computer science or in biology. It is the first book on the subject co-written by a computer scientist and a bioscientist, so the needs of both groups are covered. It guides the reader, in a hands-on style, through key achievements of bioinformatics using real case-studies. A companion website provides Matlab-related software tools for copying the steps shown in the book.

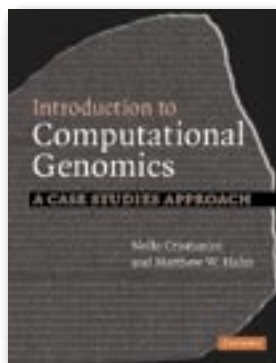
Contents: Prologue (in praise of cells); 1. The first look at a genome (sequence statistics); 2. All the sequence's men (gene finding); 3. All in the family (sequence alignment); 4. The boulevard of broken genes (hidden Markov models); 5. Are Neanderthals among us? (variation within and between species); 6. Fighting HIV (natural selection at the molecular level); 7. SARS: a post-genomic epidemic (phylogenetic analysis); 8. Welcome to the hotel Chlamydia (whole genome comparisons); 9. The genomics of wine-making (analysis of gene expression); 10. A bed-time story (identification of regulatory sequences); Appendix.

2006 246 x 189 mm 200pp 48 line diagrams

3 half-tones 12 tables 32 exercises 6 colour figures 30 worked examples

978-0-521-85603-4 Hardback £65.00

978-0-521-67191-0 Paperback £24.99



Textbook

Quantum Computer Science

An Introduction

N. David Mermin

Cornell University, New York

Prepublication praise:

'This is one of the finest books in the rapidly growing field of quantum information. Almost every page contains a unique insight or a novel interpretation. David Mermin has once again demonstrated his legendary pedagogical skills to produce a classic.'

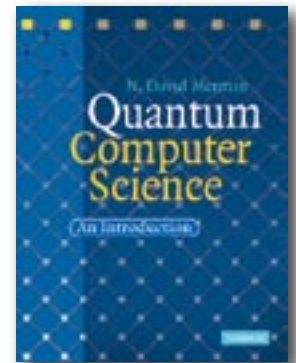
Lov Grover, Bell Labs

- A concise introduction to quantum computation for those with little knowledge of quantum theory
- Written by a highly respected and well known scientist in the field
- Based on six years of teaching the subject to undergraduates and graduate students

Contents: Preface; 1. Cbits and Qbits; 2. General features and some simple examples; 3. Breaking RSA encryption with a quantum computer; 4. Searching with a quantum computer; 5. Quantum error correction; 6. Protocols that use just a few Qbits; Appendices; Index.

2007 246 x 189 mm 238pp 66 line diagrams 1 half-tone

978-0-521-87658-2 Hardback £30.00



Security and Cooperation in Wireless Networks

Levente Buttyan

Technical University of Budapest

and Jean-Pierre Hubaux

Swiss Federal Institute of Technology, Lausanne

First self-contained text covering security and non-cooperative behaviour in wireless networks. User misdeeds are described with existing and future security techniques. Includes exercises, real-world examples, and tutorials.

2007 247 x 174 mm 496pp 140 line diagrams 80 exercises

978-0-521-87371-0 Hardback c.£40.00

Next Generation Mobile Access Technologies

Implementing TDD

Edited by Harald Haas

Universität Bremen

and Stephen McLaughlin

University of Edinburgh

Describes the underlying principles and practical implementation schemes for time division duplexing (TDD). Real-world examples from UMTS, wireless LAN, and Bluetooth systems are described.

2007 247 x 174 mm 400pp 166 line diagrams 166 figures

978-0-521-82622-8 Hardback c.£50.00



Bluetooth Essentials for Programmers

Albert Huang

Massachusetts Institute of Technology
and Larry Rudolph

Massachusetts Institute of Technology

This introduction to Bluetooth programming is written with a focus on the parts of Bluetooth that concern software developers. Although there are already lots of books about Bluetooth, most of these discuss Bluetooth features, when most of the time, the programmer is only interested in making Bluetooth applications work. This book's approach is to start simply, allowing the reader to quickly master the basic concepts before addressing advanced features.

- No Bluetooth background needed
- Written especially for programmers and software engineers
- Introduces Bluetooth for Python, C, Java, GNU/Linux, Windows XP, Symbian Series 60, and Mac OS X, and more

2007 240pp 22 tables
978-0-521-70375-8 Paperback £21.99



Security of e-Systems and Computer Networks

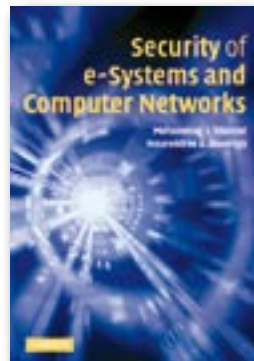
Mohammad Obaidat

Monmouth University, New Jersey
and Noureddine Boudriga

University of Carthage, Tunisia

Presents fundamental concepts and tools of e-based security. The core areas of security are covered in detail and the major trends, challenges and applications discussed. Technically oriented with practical examples, this book is suitable for practitioners in network security, and graduate students and researchers in telecommunications and computer science.

2007 247 x 174 mm 386pp 43 line diagrams 43 figures
978-0-521-83764-4 Hardback £40.00



Security and Quality of Service in Ad Hoc Wireless Networks

Amitabh Mishra

Virginia Polytechnic Institute and State University

This text covers security and quality of service in ad hoc wireless networks. Representing the state-of-the-art on the topic it is a valuable resource for researchers in electrical and computer engineering, as well as practitioners in the wireless communications industry.

2008 247 x 174 mm 208pp 61 line diagrams
978-0-521-87824-1 Hardback c.£45.00

Computability and Logic

Fifth edition

George S. Boolos

John P. Burgess

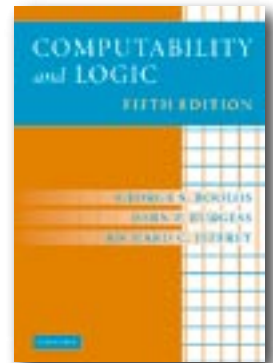
Princeton University, New Jersey

and Richard C. Jeffrey

'... gives an excellent coverage of the fundamental theoretical results about logic involving computability, undecidability, axiomatization, definability, incompleteness, etc.'

American Math Monthly

2007 234 x 156 mm 368pp
978-0-521-87752-7 Hardback £45.00
978-0-521-70146-4 Paperback £18.99



Graduate Textbook

Reactive Systems

Modelling, Specification and Verification

Luca Aceto

University of Reykjavik

Anna Ingólfssdóttir

University of Reykjavik

Kim Guldstrand Larsen

Aalborg University, Denmark

and Jiri Srba

Aalborg University, Denmark

This text describes the process algebraic approach to the specification and verification of software and software systems using mathematical logic. Offering a balanced introduction for graduate students, the book describes all the various approaches, their strengths and weaknesses, and when they are best used.

- Broad accessible introduction to the topic - the first book to cover all the different approaches
- Based on taught courses, and containing case studies and many exercises, this book is ideal as a graduate text
- Offers first presentation in book form of Hennessy-Milner logic with recursive definitions and its applications

2007 247 x 174 mm 300pp
28 line diagrams 7 tables 188 exercises 45 worked examples
978-0-521-87546-2 Hardback £40.00



Graduate Textbook**Constraint Logic Programming using Eclipse**

Krzysztof R. Apt

Stichting Centrum voor Wiskunde en Informatica (CWI), Amsterdam
and Mark Wallace

Monash University, Victoria

This text offers a systematic introduction to the Eclipse system and a guide to problem-solving for students and practitioners alike.

- The first practical introduction to constraint programming; shows how to understand and write constraint programs that solve complex problems
- All the code is available via the web
- Ideal for one-semester courses for upper undergraduate or graduate students, and at programmers wishing to master practical aspects of constraint programming

2006 247 x 174 mm 348pp
6 tables 49 exercises 81 figures
978-0-521-86628-6 Hardback £35.00

The Description Logic Handbook

Second edition

Edited by Franz Baader

Technische Universität, Dresden

Diego Calvanese

Freie Universität Bozen, Bolzano

Deborah L. McGuinness

Stanford University, California

Daniele Nardi

Università degli Studi di Roma 'La Sapienza',
Italy

and Peter F. Patel-Schneider

AT&T Bell Laboratories, New Jersey

The Description Logic Handbook covers all aspects of the research in the field of knowledge representation. It will appeal to both theoretically-oriented readers and those with more practically-oriented interests. It covers the basic technical material through to the newest developments. As well as general revision throughout the book, this new edition includes a new chapter on ontology languages for the semantic web. Can be used as a companion reference to courses in Artificial Intelligence and Knowledge Representation.

2007 247 x 174 mm 624pp
44 line diagrams 14 tables 19 worked examples
978-0-521-87625-4 Hardback £80.00

Direct Methods for Sparse Linear Systems

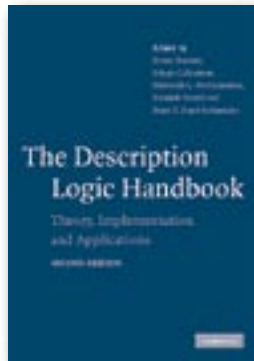
Timothy A. Davis

University of Florida

'Everything you wanted to know but never dared to ask about modern direct linear solvers.'

Chen Greif, Assistant Professor, Department of Computer Science, University of British Columbia

Fundamentals of Algorithms, 2
2006 228 x 152 mm 229pp
978-0-89871-613-9 Paperback £38.00
Not for sale in North America

**Curve and Surface Reconstruction**

Algorithms with Mathematical Analysis

Tamal K. Dey

Ohio State University

After developing the basics of a sampling theory and its connections to various geometric and topological properties, the author describes a suite of algorithms that have been designed for the reconstruction problem, including algorithms for surface reconstruction from dense samples, from samples that are not adequately dense and from noisy samples.

Cambridge Monographs on Applied and Computational Mathematics, 23
2007 228 x 152 mm 228pp 70 exercises
978-0-521-86370-4 Hardback £40.00

**Graduate Textbook****Visibility Algorithms in the Plane**

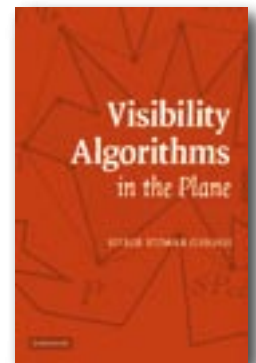
Subir Kumar Ghosh

Tata Institute of Fundamental Research, Mumbai

Computations of visible portions of objects from a viewpoint involving thousands of objects is a time consuming task even for high speed computers. To solve such visibility problems, efficient algorithms have been designed and this book presents some of these visibility algorithms in two dimensions. The first book entirely devoted to visibility algorithms in computational geometry.

Contents: Preface; 1. Background; 2. Point visibility; 3. Weak visibility and shortest paths; 4. L-R visibility and shortest paths; 5. Visibility graphs; 6. Visibility graph theory; 7. Visibility and link paths; 8. Visibility and path queries; Bibliography; Index.

2007 247 x 174 mm 332pp
333 line diagrams 108 exercises 333 figures
978-0-521-87574-5 Hardback £50.00

**Deblurring Images**

Matrices, Spectra, and Filtering

Per Christian Hansen

James G. Nagy

and Dianne P. O'Leary

'The book's focus on imaging problems is very unique among the competing books on inverse and ill-posed problems. ... It gives a nice introduction into the MATLAB world of images and deblurring problems.'

Martin Hanke, Institut für Mathematik, Johannes-Gutenberg-Universität

Fundamentals of Algorithms, 3
2007 228 x 152 mm 144pp
978-0-89871-618-4 Paperback £38.00
Not for sale in North America



Computational Vision in Neural and Machine Systems

Edited by Laurence R. Harris

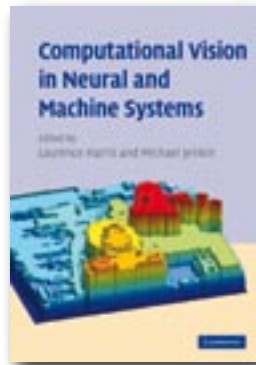
York University, Toronto

and Michael R. M. Jenkin

York University, Toronto

Harris and Jenkin bring together the best and brightest minds in the field of computational vision, combining research from both biology and computing and enhancing the developing synergy between computational and biological visual modelling communities. Written for researchers and graduate students in computational or biological vision, neuroscience and psychology.

2007 247 x 174 mm 336pp
93 line diagrams 45 half-tones 1 table
978-0-521-86260-8 Hardback £65.00



Graduate Textbook

Mathematical Methods in Image Reconstruction

Frank Natterer

University of Münster

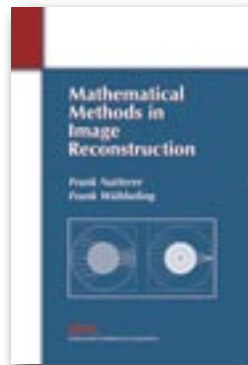
and Frank Wübbeling

University of Münster

Since the advent of computerized tomography in radiology, many imaging techniques have been introduced in medicine, science, and technology. This book provides readers with a superior understanding of the mathematical principles behind imaging and will enable them to write state-of-the-art software as a result.

Contents: 1. Introduction; 2. Integral geometry; 3. Tomography; 4. Stability and resolution; 5. Reconstruction algorithms; 6. Problems that have peculiarities; 7. Nonlinear tomography.

Monographs on Mathematical Modeling and Computation, 5
2001 228 x 152 mm 228pp
978-0-89871-472-2 Hardback £45.00
Not for sale in North America



Fundamentals of Digital Imaging

Joel Trussell

North Carolina State University

and Michael Vrhel

Conexant Systems, Redmond, Washington

Introduction to digital imaging covering core techniques of image capture and display of monochrome and colour images. Presents fundamental tools within a powerful mathematical framework. Containing illustrations, examples, and homework problems.

2007 247 x 174 mm 592pp
165 line diagrams 75 half-tones 35 colour plates 275 figures
978-0-521-86853-2 Hardback c.£60.00



Open Source

Technology and Policy

Fadi P. Deek

New Jersey Institute of Technology

and James A. M. McHugh

New Jersey Institute of Technology

The book discusses key open source applications, platforms, and technologies used in open development, it then explores social issues ranging from demographics and psychology to legal and economic matters before finally, it discusses the Free Software Foundation, open source in the public sector (government and education), and future prospects.

2008 228 x 152 mm 352 pages
978-0-521-88103-6 Hardback c. £50.00
978-0-521-70741-1 Paperback c. £18.99



Multi-application Smart Cards

Technology and Applications

Mike Hendry

A guide to the technology, market and behavioural aspects involved in implementing multi-application smart cards. With numerous international case studies, this invaluable resource is for users and integrators specifying, evaluating and integrating multi-application systems, and for terminal, card and system designers; network, IT and security managers; and software specialists.

2007 247 x 174 mm 266pp 51 line diagrams 16 half-tones 67 figures
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Competing for the Future

How Digital Innovations are Changing the World

Henry Kressel

Warburg Pincus LLC

With Thomas V. Lento

'Competing for the Future is a must-read for anybody interested in applying science to the marketplace.'

Alan Willner, Professor of Electrical Engineering Systems, University of Southern California

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97 line diagrams 5 half-tones 16 tables 78 graphs 80 figures
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Human-Machine Reconfigurations

Plans and Situated Actions

Second edition

Lucy Suchman

Provides a new way of understanding how human actions and technological artifacts are intertwined. The author shows how leading edge technologies can rest on very old-fashioned assumptions, while more modest initiatives suggest innovative approaches to technology design and use.

2007 228 x 152 mm 326pp 15 tables
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978-0-521-67588-8 Paperback £17.99

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Journal of Functional Programming

Editors-in-Chief

Paul Hudak, *Yale University*

Xavier Leroy, *INRIA, Rocquencourt*

journals.cambridge.org/JFP

ISSN: 0956-7968

Theory and Practice of Logic Programming

Published for the Association for Logic Programming

Editor-in-Chief

A. Bossi, *Università Ca' Foscari di Venezia*

journals.cambridge.org/TLP

ISSN: 1471-0684

AI EDAM

Artificial Intelligence for Engineering Design, Analysis and Manufacturing

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