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KEY=COMPUTER - TURNER YOSELIN

Super-Resolution Imaging

Springer Science & Business Media *Super-Resolution Imaging serves as an essential reference for both academicians and practicing engineers. It can be used both as a text for advanced courses in imaging and as a desk reference for those working in multimedia, electrical engineering, computer science, and mathematics. The first book to cover the new research area of super-resolution imaging, this text includes work on the following groundbreaking topics: Image zooming based on wavelets and generalized interpolation; Super-resolution from sub-pixel shifts; Use of blur as a cue; Use of warping in super-resolution; Resolution enhancement using multiple apertures; Super-resolution from motion data; Super-resolution from compressed video; Limits in super-resolution imaging. Written by the leading experts in the field, Super-Resolution Imaging presents a comprehensive analysis of current technology, along with new research findings and directions for future work.*

Effects of Screen Size, Screen Resolution, and Display Rate on Computer-based Test Performance

High-Resolution Computer Graphics Using C

John Wiley & Sons Incorporated *This book sets the groundwork for advanced computer graphics. It includes program listings, which are a means of describing the algorithms required for the solution of given problems, and covers numerous topics such as matric representation of transformations in two-dimensional space, three-dimensional coordinate geometry, and simple hidden line and surface algorithms. Shading and shadows, transparent surfaces, and reflections are also covered. Features over 100 program listings that are easily translatable into other computer languages, including BASIC, Pascal and FORTRAN. Numerous figures and color illustrations, and many worked examples reinforce understanding of the material covered.*

Resolution Improvement of Spectra by Computer Techniques

Web Design in a Nutshell

A Desktop Quick Reference

"O'Reilly Media, Inc." *Details a variety of front-end technologies and techniques and reviews Web design fundamentals while explaining how to work with HTML, graphics, and multimedia and interactive applications.*

A High Resolution Computer-based Servo for the Regulation of Test Supplies

Emerging Topics in Computer Vision and Its Applications

World Scientific *This book gives a comprehensive overview of the most advanced theories, methodologies and applications in computer vision. Particularly, it gives an extensive coverage of 3D and robotic vision problems. Example chapters featured are Fourier methods for 3D surface modeling and analysis, use of constraints for calibration-free 3D Euclidean reconstruction, novel photogeometric methods for capturing static and dynamic objects, performance evaluation of robot localization methods in outdoor terrains, integrating 3D vision with force/tactile sensors, tracking via in-floor sensing, self-calibration of camera networks, etc. Some unique applications of computer vision in marine fishery, biomedical issues, driver assistance, are also highlighted.*

Pattern Recognition and Computer Vision

Third Chinese Conference, PRCV 2020, Nanjing, China, October 16–18, 2020, Proceedings, Part I

Springer Nature *The three-volume set LNCS 12305, 12306, and 12307 constitutes the refereed proceedings of the Third Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2020, held virtually in Nanjing, China, in October 2020. The 158 full papers presented were carefully reviewed and selected from 402 submissions. The papers have been organized in the following topical sections: Part I: Computer Vision and Application, Part II: Pattern Recognition and Application, Part III: Machine Learning.*

Computer Vision – ECCV 2020 Workshops

Glasgow, UK, August 23–28, 2020, Proceedings, Part III

Springer Nature *The 6-volume set, comprising the LNCS books 12535 until 12540, constitutes the refereed proceedings of 28 out of the 45 workshops held at the 16th European Conference on Computer Vision, ECCV 2020. The conference was planned to take place in Glasgow, UK, during August 23-28, 2020, but changed to a virtual format due to the COVID-19 pandemic. The 249 full papers, 18 short papers, and 21 further contributions included in the workshop proceedings were carefully reviewed and selected from a total of 467 submissions. The papers deal with diverse computer vision topics. Part*

III includes the Advances in Image Manipulation Workshop and Challenges.

SPECTRAN

A Computer System to Analyze High Resolution Spectrum. Users Manual

Resolution, Binary

Its Nature, History and Impact on the Use of Computers

Introduction to Digital Signal Processing

Deadlock Resolution in Computer-Integrated Systems

CRC Press *Complex computer-integrated systems offer enormous benefits across a wide array of applications, including automated production, transportation, concurrent software, and computer operating systems, computer networks, distributed database systems, and many other automated systems. Yet, as these systems become more complex, automated, distributed, and computing-intensive, the opportunity for deadlock issues rises exponentially. Deadlock modeling, detection, avoidance, and recovery are critical to improving system performance. Deadlock Resolution in Computer-Integrated Systems is the first text to summarize and comprehensively treat this issue in a systematic manner. Consisting of contributions from prominent researchers in the field, this book addresses deadlock-free models and scheduling, detection and recovery methods, the formulation of dynamic control policies, and comparison and industrial benchmark studies that evaluate various approaches. The editors lay the foundation for exploring deadlock issues with a typical example of an automated manufacturing process, illustrating three primary modeling methods (digraphs, Petri nets, and automata) and comparing their respective advantages and disadvantages. Providing all of the important models and resolution approaches, this book is the complete guide for electrical and control engineers and manufacturing, intelligent, and network systems designers to prevent and manage deadlock issues in their systems.*

Automatic Ambiguity Resolution in Natural Language Processing

An Empirical Approach

Springer Science & Business Media *This is an exciting time for Artificial Intelligence, and for Natural Language Processing in particular. Over the last five years or so, a newly revived spirit has gained prominence that promises to revitalize the whole field: the spirit of empiricism. This book introduces a new approach to the important NLP issue of automatic ambiguity resolution, based on statistical models of text. This approach is compared with previous work and proved to yield higher accuracy for natural language analysis. An effective implementation strategy is also described, which is directly useful for natural language analysis. The book is noteworthy for demonstrating a new empirical approach to NLP; it is essential reading for researchers in natural language processing or computational linguistics.*

Medical Image Computing and Computer Assisted Intervention – MICCAI 2020

23rd International Conference, Lima, Peru, October 4–8, 2020, Proceedings, Part I

Springer Nature *The seven-volume set LNCS 12261, 12262, 12263, 12264, 12265, 12266, and 12267 constitutes the refereed proceedings of the 23rd International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2020, held in Lima, Peru, in October 2020. The conference was held virtually due to the COVID-19 pandemic. The 542 revised full papers presented were carefully reviewed and selected from 1809 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: machine learning methodologies Part II: image reconstruction; prediction and diagnosis; cross-domain methods and reconstruction; domain adaptation; machine learning applications; generative adversarial networks Part III: CAI applications; image registration; instrumentation and surgical phase detection; navigation and visualization; ultrasound imaging; video image analysis Part IV: segmentation; shape models and landmark detection Part V: biological, optical, microscopic imaging; cell segmentation and stain normalization; histopathology image analysis; opthalmology Part VI: angiography and vessel analysis; breast imaging; colonoscopy; dermatology; fetal imaging; heart and lung imaging; musculoskeletal imaging Part VI: brain development and atlases; DWI and tractography; functional brain networks; neuroimaging; positron emission tomography*

Computational Intelligence Methods for Super-Resolution in Image Processing Applications

Springer Nature *This book explores the application of deep learning techniques within a particularly difficult computational type of computer vision (CV) problem – super-resolution (SR). The authors present and discuss ways to apply computational intelligence (CI) methods to SR. The volume also explores the possibility of using different kinds of CV techniques to develop and enhance the tools/processes related to SR. The application areas covered include biomedical engineering, healthcare applications, medicine, histology, and material science. The book will be a valuable reference for anyone concerned with multiple multimodal images, especially professionals working in remote sensing, nanotechnology and immunology at research institutes, healthcare facilities, biotechnology institutions, agribusiness services, veterinary facilities, and universities.*

Survey of Currently Available High-resolution Raster Graphics Systems

Resolution Improvement and Effect of Blurring in Medical Image Analysis and Computer Vision

Computer Vision – ECCV 2020

16th European Conference, Glasgow, UK, August 23–28, 2020, Proceedings, Part IV

Springer Nature *The 30-volume set, comprising the LNCS books 12346 until 12375, constitutes the refereed proceedings of the 16th European Conference on Computer Vision, ECCV 2020, which was planned to be held in Glasgow, UK, during August 23-28, 2020. The conference was held virtually due to the COVID-19 pandemic. The 1360 revised papers presented in these proceedings were carefully reviewed and selected from a total of 5025 submissions. The papers deal with topics such as computer vision; machine learning; deep neural networks; reinforcement learning; object recognition; image classification; image processing; object detection; semantic segmentation; human pose estimation; 3d reconstruction; stereo vision; computational photography; neural networks; image coding; image reconstruction; object recognition; motion estimation.*

25 Graphics Programs in Microsoft BASIC

Deadlock Resolution in Computer-intergrated Systems

Quiet High-resolution Computer Models of a Plasma

Computer Resolution of Indirect References

The Resolution Calculus

Springer Science & Business Media *The History of the Book In August 1992 the author had the opportunity to give a course on resolution theorem proving at the Summer School for Logic, Language, and Information in Essex. The challenge of this course (a total of five two-hour lectures) con sisted in the selection of the topics to be presented. Clearly the first selection has already been made by calling the course "resolution theorem proving" instead of "automated deduction" . In the latter discipline a remarkable body of knowledge has been created during the last 35 years, which hardly can be presented exhaustively, deeply and uniformly at the same time. In this situ ation one has to make a choice between a survey and a detailed presentation with a more limited scope. The author decided for the second alternative, but does not suggest that the other is less valuable. Today resolution is only one among several calculi in computational logic and automated reasoning. How ever, this does not imply that resolution is no longer up to date or its potential exhausted. Indeed the loss of the "monopoly" is compensated by new appli cations and new points of view. It was the purpose of the course mentioned above to present such new developments of resolution theory. Thus besides the traditional topics of completeness of refinements and redundancy, aspects of termination (resolution decision procedures) and of complexity are treated on an equal basis.*

Medical Image Computing and Computer-Assisted Intervention - MICCAI'99

Second International Conference, Cambridge, UK, September 19-22, 1999, Proceedings

Springer *This book constitutes the refereed proceedings of the Second International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI'99, held in Cambridge, UK, in September 1999. The 133 revised full papers presented were carefully reviewed and selected from a total of 213 full-length papers submitted. The book is divided into topical sections on data-driven segmentation, segmentation using structural models, image processing and feature detection, surfaces and shape, measurement and interpretation, spatiotemporal and diffusion tensor analysis, registration and fusion, visualization, image-guided intervention, robotic systems, and biomechanics and simulation.*

DHCP for Windows 2000

Managing the Dynamic Host Configuration Protocol

"O'Reilly Media, Inc." *Dynamic Host Configuration Protocol (DHCP) is an open standard Internet protocol used to allocate and manage IP addresses dynamically. Before DHCP came along, administrators had to manually configure each host on a network with an IP address, subnet mask, and default gateway. Maintaining the changes and the associated logs took a tremendous amount of time and was prone to error. DHCP uses a client/server model in which the system updates and maintains the network information dynamically. Windows 2000 provides enhanced DHCP client-server support.DHCP for Windows 2000 is custom-designed for system administrators who are responsible for configuring and maintaining networks with Windows 2000 servers. It explains the DHCP protocol and how to install and manage DHCP on both servers and clients--including client platforms other than Windows 2000.Readers get detailed and explicit instructions for using Windows 2000 DHCP to manage their network IP configurations much more efficiently and effectively.They get background information for using DHCP in general, plus complete information about the Windows 2000 use of DHCP. For those interested in what's on the horizon, the author steps up to the plate with an analysis of the future direction of DHCP and Windows support for IPv6.*

Computer Animation

Programming Methods and Techniques

Computing McGraw-Hill

A Computer Procedure for the Resolution of Gamma Spectra Having Coincident Peaks

The Data Management Problem and Its Resolution in Commercial Mini Computer Systems

A User's Guide to the JOIDES Resolution Computer System

Computers for Imagemaking

Elsevier *Computers for Image-Making tells the computer non-expert all he needs to know about Computer Animation. In the hands of expert computer engineers, computer picture-drawing systems have, since the earliest days of computing, produced interesting and useful images. As a result of major technological developments since then, it no longer requires the expert's skill to draw pictures; anyone can do it, provided they know how to use the appropriate machinery. This collection of specially commissioned articles reflects the diversity of user applications in this expanding field*

Beyond Databases, Architectures and Structures. Paving the Road to Smart Data Processing and Analysis

15th International Conference, BDAS 2019, Ustroń, Poland, May 28–31, 2019, Proceedings

Springer *This book constitutes the refereed proceedings of the 15th International Conference entitled Beyond Databases, Architectures and Structures, BDAS 2019, held in Ustroń, Poland, in May 2019. It consists of 26 carefully reviewed papers selected from 69 submissions. The papers are organized in topical sections, namely big data and cloud computing; architectures, structures and algorithms for efficient data processing and analysis; artificial intelligence, data mining and knowledge discovery; image analysis and multimedia mining; bioinformatics and biomedical data analysis; industrial applications; networks and security.*

Computer Theorem Proving

Robinson's Resolution Principle

Programming for Peace

Computer-Aided Methods for International Conflict Resolution and Prevention

Springer Science & Business Media *Sadly enough, war, conflicts and terrorism appear to stay with us in the 21st century. But what is our outlook on new methods for preventing and ending them? Present-day hard- and software enables the development of large crisis, conflict, and conflict management databases with many variables, sometimes with automated updates, statistical analyses of a high complexity, elaborate simulation models, and even interactive uses of these databases. In this book, these methods are presented, further developed, and applied in relation to the main issue: the resolution and prevention of intra- and international conflicts. Conflicts are a worldwide phenomenon. Therefore, internationally leading researchers from the USA, Austria, Canada, Germany, New Zealand and Switzerland have contributed. This book is for students and scientists in international relations and political sciences, and decision makers or their advisers in national and international bodies, both governmental and non-governmental.*

Application of Computer Science and Technology to Development

Draft Resolution

"A Development Framework for Computer-supported Conflict Resolution"

Computer Techniques in high resolution mass spectrometry

A Development Framework for Computer-supported Conflict Resolution

High-resolution computer graphics using FORTRAN 77

High-speed High-resolution Computer Graphics