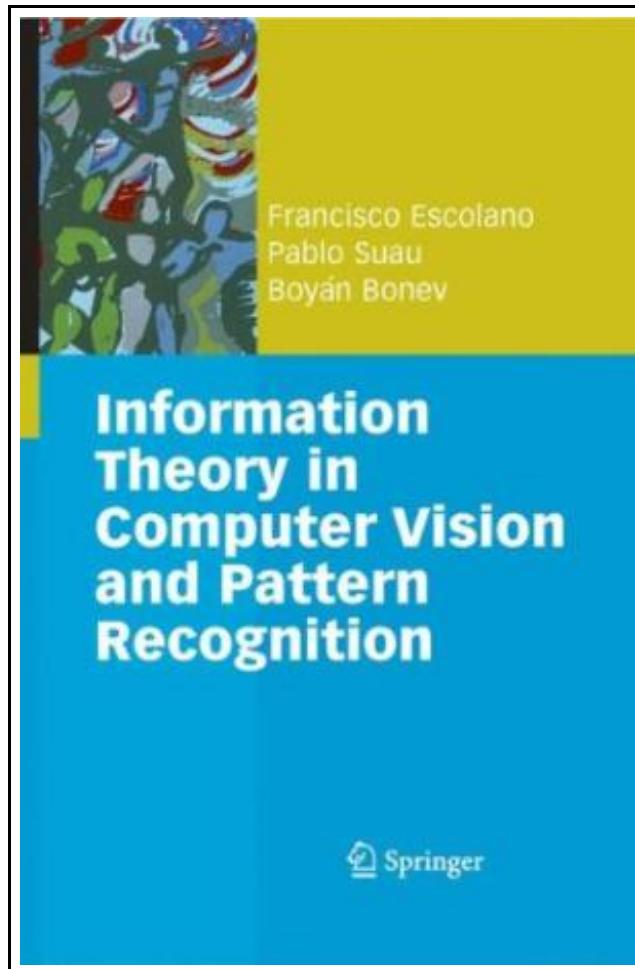


Information Theory in Computer Vision and Pattern Recognition



Filesize: 8.35 MB

Reviews

*Great electronic book and helpful one. Of course, it is play, still an interesting and amazing literature. I am just delighted to inform you that here is the finest ebook i have got go through in my own daily life and might be he finest pdf for actually.
(Lora Johns III)*

INFORMATION THEORY IN COMPUTER VISION AND PATTERN RECOGNITION

[DOWNLOAD PDF](#)

To get **Information Theory in Computer Vision and Pattern Recognition** eBook, please access the web link under and download the ebook or have accessibility to additional information which might be related to INFORMATION THEORY IN COMPUTER VISION AND PATTERN RECOGNITION ebook.

Springer-Verlag Gmbh Jul 2009, 2009. Buch. Book Condition: Neu. 235x155x28 mm. Neuware - Information Theory (IT) can be highly effective for formulating and designing algorithmic solutions to many problems in Computer Vision and Pattern Recognition (CVPR). This text introduces and explores the measures, principles, theories, and entropy estimators from IT underlying modern CVPR algorithms, providing comprehensive coverage of the subject through an incremental complexity approach. The authors formulate the main CVPR problems and present the most representative algorithms. In addition, they highlight interesting connections between elements of IT when applied to different problems, leading to the development of a basic research roadmap (the ITinCVPR tube). The result is a novel tool, unique in its conception, both for CVPR and IT researchers, which is intended to contribute as much as possible to a cross-fertilization of both areas. Topics and features: Introduces contour and region-based image segmentation in computer vision, covering Jensen-Shannon divergence, the maximum entropy principle, the minimum description length (MDL) principle, and discriminative-generative approaches to segmentation Explores problems in image and pattern clustering, discussing Gaussian mixtures, information bottleneck, robust information clustering, and IT-based mean-shift, as well as strategies to form clustering ensembles Includes a selection of problems at the end of each chapter, to both consolidate what has been learnt and to test the ability of generalizing the concepts discussed Investigates the application of IT to interest points, edge detection and grouping in computer vision, including the concept of Shannon's entropy, Chernoff information and mutual information, Sanov's theorem, and the theory of types Reviews methods of registration, matching and recognition of images and patterns, considering measures related to the concept of mutual information, alternative derivations of Jensen-Shannon divergence, the Fisher-Rao metric tensor, and the application of the MDL principle to tree registration Supplies additional material, including sketched solutions...



[Read Information Theory in Computer Vision and Pattern Recognition Online](#)
[Download PDF Information Theory in Computer Vision and Pattern Recognition](#)

See Also



[PDF] Programming in D

Access the web link below to download "Programming in D" document.

[Save ePub »](#)



[PDF] Psychologisches Testverfahren

Access the web link below to download "Psychologisches Testverfahren" document.

[Save ePub »](#)



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Access the web link below to download "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)" document.

[Save ePub »](#)



[PDF] Superhero Max- Read it Yourself with Ladybird: Level 2

Access the web link below to download "Superhero Max- Read it Yourself with Ladybird: Level 2" document.

[Save ePub »](#)



[PDF] Sleeping Beauty - Read it Yourself with Ladybird: Level 2

Access the web link below to download "Sleeping Beauty - Read it Yourself with Ladybird: Level 2" document.

[Save ePub »](#)



[PDF] Big Machines - Read it Yourself with Ladybird: Level 2

Access the web link below to download "Big Machines - Read it Yourself with Ladybird: Level 2" document.

[Save ePub »](#)