a) 07 年以前印刷版书籍中手检出之書籍(Monograph & Textbook)目录（42 本）

b) 现在以 Google-Scholar 检出之書籍(Monograph & Textbook)目录（41 本）

来自于下面 c)并且
- 剔出其中重复部分, 且只选择 Monograph 和 Textbook,
- 并剔出 a)和 b)两部分中的重复部分,

c) Google-Scholar 检索所得之申报人成果被书籍引用的情况(117 次)

故引用申报人成果之学术書籍(Monograph & Textbook)共有 42+41 = 83 > 80 本

a）07 年以前印刷版书籍中手检出之書籍(Monograph & Textbook)目录（42 本）

1. S. Ablameyko and Tony Pridmore, Machine Interpretation of Line Drawing Images: Technical Drawings, Maps and Diagrams, Springer, 2000.

2. P. Baldi & S. Brunak, Bioinformatics: the Machine Learning Approach, A Bradford Book, The MIT Press, 2001.

3. Y. Bengio, Neural Networks for Speech and Sequence Recognition, International Thomson Computer Press, 1996.

4. H. Bischof , Pyramidal Neural networks, Lawrence Erlbaum Assoc., Inc., New Jersey, 1995.

5. E. Castillo, J.M.Gutierrez, & A.S. Hadi, Expert systems and probabilistic network models, Springer, 1997

6. Cichoki & R.Unbehauen, Neural Networks for Optimization and Signal Processing, John Wiley & Sons, Inc., New Jersey, 2001, 1992

7. E. R. Davies, Machine Vision: Theory, Algorithms, Practicalities, Morgan Kaufmann, Elsevier, 2005.

8. L. Devroye, L. Gyorfi, & G. Lugosi, A Probabilistic Theory of Pattern Recognition, Springer-Verlag, New York, 1996.

9. K. I. Diamantaras & S. Y. Kung, Principal Component Neural Networks: Theory and Applications, John Wiley & Sons, Inc. , 1996.

10. K.L. Du, & M.N.S. Swamy, Neural Networks in a Soft-computing Framework, Springer, 2006.

11. L. Fausett, Fundamentals of Neural Networks: Architectures, Algorithms, and Applications, Prentice Hall, Upper Saddle River, New Jersey, 1994.

12. C. Fyfe, Hebbian Learning and Negative Feedback Networks, Springer, 2005.

13. M. Girolami, Advances in Independent Component Analysis, Springer, 2000.

14. M.M. Gupta, L. Jin, N. Homma, Static and Dynamic Neural Networks: From Fundamentals to Advanced Theory, A Wiley-Interscience Pubication, John Willey & Sons, Inc., 2003.

15. F. M. Ham & I. Kostanic, Principles of Neurocomputing for Science and Engineering, McGraw-Hill Higher Education, New York, 2001.

16. D. Hand, H. Mannila, & P. Smyth, Principles of Data Mining, The MIT Press, Cambridge, Massachusetts & London English, 2001.

17. C. Harris, X. Hong, & Q. Gan, Adaptive Modelling, Estimation and Fusion from Data: A Neurofuzzy Approach, Springer, 2002.

18. M. H. Haussoun, Fundamentals of Artificial Neural Networks, A Bradford Book, MIT Press, 1995.

19. S. Haykin, Neural Networks: A Comprehensive Foundation, Macmillan College Pub., 1994.

20. S. Haykin, Neural Networks: A Comprehensive Foundation (Second Edition) , Prentice Hall, Inc., New Jersey, 1999.

21. A. Hoffmann, Paradigms of Artificial Intelligence, Springer-Verlag, Singapore, 1998.

22. A. Hyvarinen, J. Karhunen, & E. Oja, Independent Component Analysis, A Wiley-Interscience Pubication, John Willey & Sons, Inc., 2001.

23. C.A.M. Irniger, Graph Matching: Filtering Databases of Graphs Using Machine Learning Techniques, Aka GmbH, Berlin, 2005.

24. T. Kohonen, Self-Organizing Maps, Spring-Verlag, New York, 1995.

25. L.I. Kuncheva, Combining Pattern Classifiers, A Wiley-Interscience Pubication, John Willey & Sons, Inc., 2004.

26. T. Lee, Independent component analysis: theory and applications, Kluwer Academic Publishers, Boston, 1998.

27. F. L. Luo and R. Unbehauen, Applied neural networks for signal processing, Cambrige University Press, 1997.

28. G. J. McLachlan and T. Krishnan, The EM Algorithm and Extensions, Wiley Series in Probability and Statistics, John Wiley & Sons, Inc. , 1996.

29. E. Micheli-Tzanakou, Supervised and unsupervised pattern recognition, CRC PressLLC, Boca Raton, Florida, 1999.

30. D. Michie, D.J. Spiegelhalter, & C.C. Taylor, Machine Learning, Neural and Statistical Classification, Ellis Horwood, 1994.

31. R. Miikkulainen, Subsybolic natural language processing: An Integrated Model of Scripts, Lexicon, and Memory, A Bradford book, MIT press, Cambridge, MA, 1993.

32. J. Pearl, Probabilistic Reasoning in Intelligent Systems: Networks of Plausible Inference, Morgan Kaufmann Publishers, Inc., San Mateo, 1988.

33. V. Petridis and A. Kehagias, Predictive Modular Neural Networks : Applications to Time Series, Kluwer Academic Publishers, Norwell, Massachusetts, 1998.

34. L.I. Perlovsky, Neural Networks and Intellect: Using Model-Based Concepts, Oxford Univ. Press, 2001.

35. B. D. Riply, Pattern Recognition and Neural Networks, Cambridge University Press, 1996.

36. P. D. Wasserman, Advanced methods in neural computing, Van Nostrand Reinhold, New York, 1993.

37. A.J.C. Sharkey, Combining Artificial Neural Nets, Springer, 1999.

38. Paul V. Yee and Simon Hakin, Regularized radial basis function networks: theory and applications, John Wiley & Sons, Inc., New Jersey, 2001.

39. Y. Zhang, & K.K. Tan, Convergence Analysis of Recurrent Neural Networks, Kluwer Academic Publishers, 2004.

因中文科技图书在香港中文大学藏书有限，没有去查检，下面仅举 3 例：

• 冯天瑾，《智能学简史》， 科学出版社，2007。

• 梁循， 《数据挖掘算法与应用》，北京大学出版社，2006。

• 阎平凡和张长水，《人工神经网络与模拟进化计算》，清华大学出版社，2006。

b) 现在以 Google-Scholar 检出之書籍(Monograph & Textbook)目录（41 本）

1. [書籍] Handbook of fingerprint recognition
unibo.it 提供的 [PDF]
D Maltoni, D Maio, AK Jain… - 2009 - books.google.com
This handbook provides in-depth coverage of the most recent advances
and practices. Readers will find comprehensive and authoritative
coverage of all the major concepts, topics, and security methods
associated with fingerprint recognition. Written with the same ...
被引用 1944 次 - 相關文章 - 圖書館搜尋 - 全部共 16 個版本
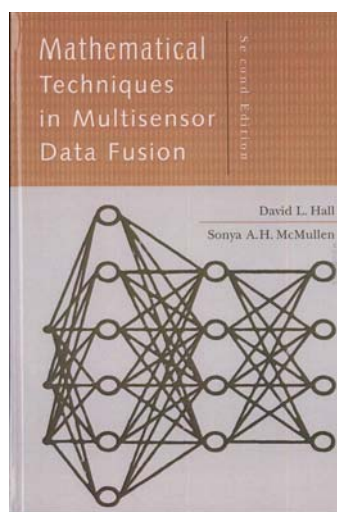
2. [書籍] Mathematical techniques in multisensor data fusion
wisc.edu 提供的 [PDF]
DL Hall… - 2004 - books.google.com
Today's information systems process vast amounts of data that stream in
from a multitude of networks, databases, and sensors. Data fusion is
increasingly the method of choice for combining these vast quantities of
data to form cohesive pieces of information. Complex ...
被引用 1206 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

3. [書籍] Handbook of multibiometrics
AA Ross, K Nandakumar… - 2006 - books.google.com
Reliable human authentication schemes are of paramount
importance in our highly networked society. Advances in biometrics   help
address the myriad of problems associated   with
traditional human recognition methods. The performance and
benefits of a biometric ...
被引用 526 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本
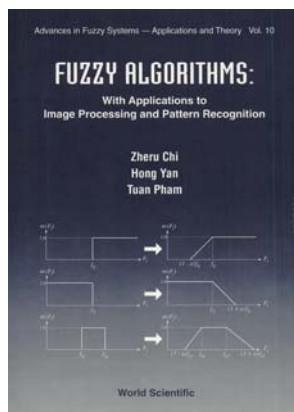
4. [書籍] Fuzzy algorithms: with applications to image processing and
pattern recognition
Z Chi, H Yan… - 1996 - books.google.com
In the fields of image processing and pattern recognition, a great number
of different techniques have been investigated, developed, and
implemented in the last few decades. Starting from statistical models to
neural network algorithms, researchers from all over the ...
被引用 357 次 - 相關文章 - 圖書館搜尋 - 全部共 11 個版本

5. [書籍] Fuzzy classifier design

LI Kuncheva - 2000 - books.google.com This book about fuzzy classifier design briefly introduces the fundamentals of supervised pattern recognition and fuzzy set theory. Fuzzy if-then classifiers are defined and some heoretical properties thereof are studied. Popular training algorithms are detailed. Non if- ...

被引用 351 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本
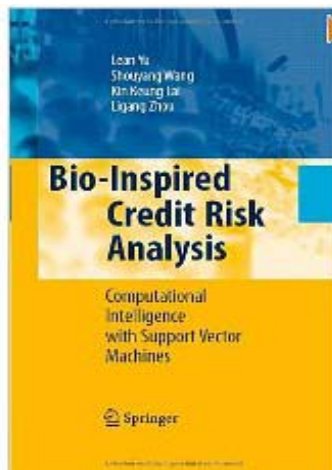
6. [書籍] Bio-inspired credit risk analysis: computational intelligence with support vector machines

L Yu, S Wang, KK Lai… - 2008 - books.google.com
Credit risk analysis is one of the most important topics in the field of financial risk management. Due to recent financial crises and regulatory concern of Basel II, credit risk analysis has been the major focus of financial and banking industry. Especially for some ...

被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本
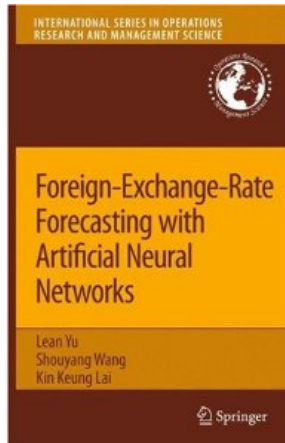
7. [書籍] Foreign-exchange-rate forecasting with artificial neural networks

L Yu, S Wang… - 2007 - books.google.com
The book focuses on forecasting foreign exchange rates via artificial neural networks. It
creates and applies the highly useful computational techniques of Artificial Neural Networks
(ANNs) to foreign-exchange-rate forecasting. The result is an up-to-date review of the ...

被引用 23 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

8. [書籍] Weak intelligence: Through the principle and paradox of multiple knowledge **ijs.si 提供的** [PS] **M Gams - 2001 - ai.ijs.si**

The terms\ weak" and\ strong" AI were originally de ned by Searle (1982); here, we shall
introduce similar ones based on our viewpoints. There are several terms attached to the old
and still dominant AI: symbolic, classical, formalistic, strong. The latest alludes to several ...

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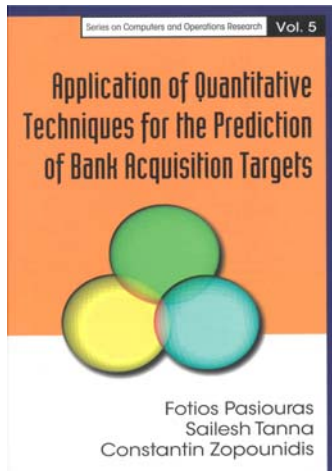
9. [書籍] Application of quantitative techniques for the prediction of bank acquisition targets

F Pasiouras, S Tanna… - 2005 - books.google.com

In recent years, the banking industry has faced significant challenges due to deregulation, globalization, financial innovation, and intensified global competition. In response to these challenges, banks have adopted strategies to grow and expand their activities, with ...

被引用 14 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本

10. [書籍] Pattern classification using ensemble methods

L Rokach - 2010 - books.google.com

Researchers from various disciplines such as pattern recognition, statistics, and machine learning have explored the use of ensemble methodology since the late seventies. Thus, they are faced with a wide variety of methods, given the growing interest in the field. This ...

被引用 21 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本
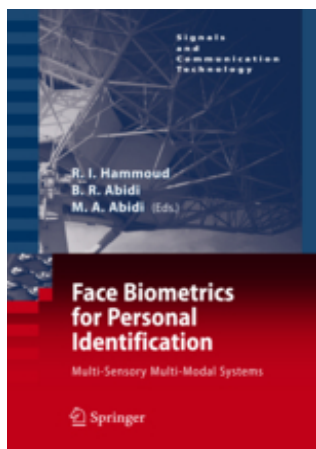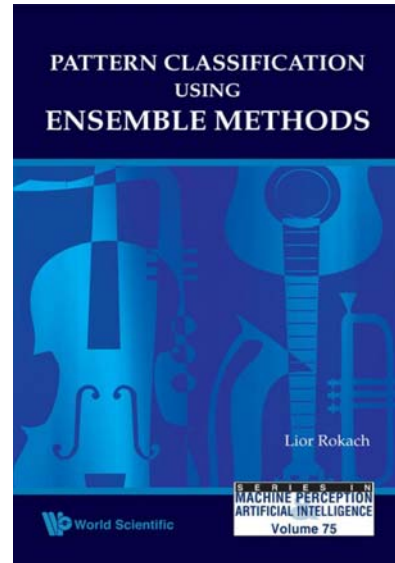
11. [書籍] Face Biometrics for Personal Identification

archinform.net 提供的 [PDF]

RI Hammoud, BR Abidi… - 2007 - toc.archinform.net

Page 1. Riad I. Hammoud • Besma R. Abidi • Mongi A. Abidi (Eds.) Face Biometrics for Personal Identification Multi-Sensory Multi-Modal Systems With 118 Figures, 76 in Color and 24 Tables 4y Sprin ger Page 2. Contents 1 Introduction Lawrence B. Wolff 1 ...

被引用 6 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 8 個版本

12. [書籍] 外汇汇率与国际原油价格波动预测: TEL@ I 方法论   panyj.net 提供的 [PDF]

余乐安， 汪寿阳… - 2006 - panyj.net

外汇市场和国际原油市场是两个非常重要而又复杂多变的市场, 外汇汇率和国际原油价格的变化

都具有高度波动性的特征. 特别是欧元和欧佩克组织诞生之后, 外汇市场和国际原油市场的波动

更是变化莫测, 如近两年的国际油价, 从每桶 30 多美元飚升到每桶 57 美元. 许多重要突发事件 ...

被引用 5 次 - 相關文章 - HTML 版 - 圖書館搜尋

13. [書籍] Combining Classifiers using the Dempster Shafer Theory of Evidence　　psu.edu 提供的 [PDF]

I Naseem - 2010 - Citeseer

The ultimate goal of designing pattern recognition systems is to achieve the best possible classification performance for the task at hand. This objective traditionally led to the development of different classification schemes for any pattern recognition problem to be ...
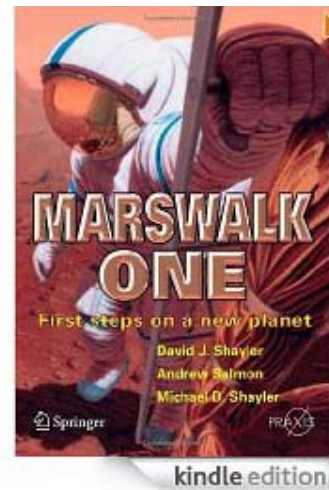
被引用 2 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 7 個版本

14. [書籍] Marswalk One: first steps on a new planet

D Shayler, A Salmon… - 2005

- books.google.com

MARSWALK ONE: First Steps on a New Planet addresses the question of why we should embark on a journey to Mars, documenting what the first human crew will do when they place their feet in the red dust ...

被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

15. [書籍] Non-Standard Parameter Adaptation for Exploratory Data Analysis

WA Barbakh, Y Wu… - 2009 - books.google.com

Exploratory data analysis, also known as data mining or knowledge discovery from databases, is typically based on the optimisation of a specific function of a dataset. Such optimisation is often performed with ... 被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本
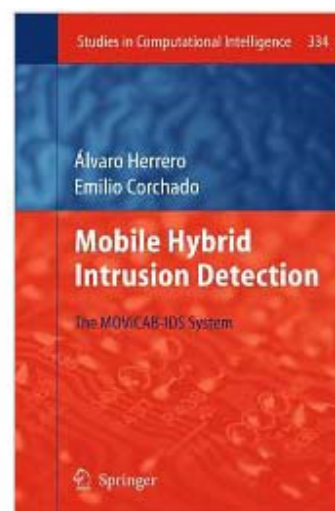
16. [書籍] Mobile Hybrid Intrusion Detection: The MOVICAB-IDS System

Ã Herrero… - 2011 - books.google.com

This monograph comprises work on network-based Intrusion Detection (ID) that is grounded in visualisation and hybrid Artificial Intelligence (AI). It has led to the design of MOVICAB-IDS (MObile VIsualisation Connectionist Agent-Based IDS), a novel Intrusion Detection ...
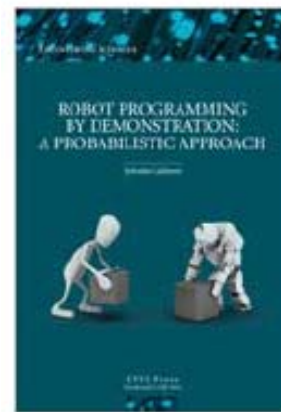
相關文章 - 圖書館搜尋

17. [書籍] Robot programming by demonstration
S Calinon - 2009 - books.google.com
< p> Also referred to as learning by imitation, tutelage, or apprenticeship learning, Programming by Demonstration (PbD) develops methods by which new skills can be transmitted to a robot. This book examines methods by which robots learn new skills ...
被引用 49 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

Sylvain Calinon, 2009 · 222 pages, hardcover · EPFL Press ISBN 978-2-940222-31-5, CRC Press ISBN 978-1-4398-0867-2.

18. [書籍] Pattern recognition and neural networks
ox.ac.uk 提供的 [PDF]
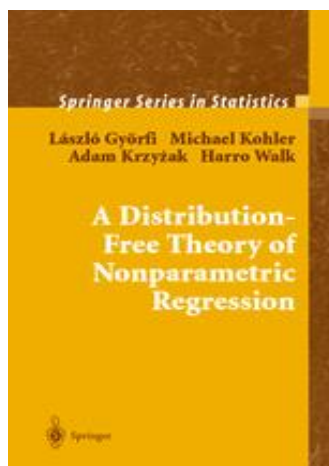BD Ripley - 2008 - books.google.com
Now in paperback: the most reliable account of the statistical framework for pattern
recognition and machine learning. With unparalleled coverage and a wealth of case-studies
this book gives valuable insight into both the theory and the enormously diverse ...
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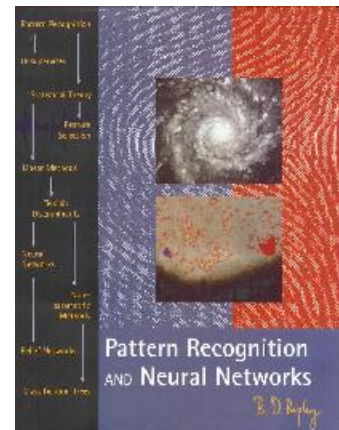
19. [書籍] A distribution-free theory of nonparametric regression

dsu.dp.ua 提供的 [PDF]
L Györfi - 2002 - books.google.com
This book provides a systematic in-depth analysis of nonparametric regression with random design. It covers almost all known estimates such as classical local averaging estimates including kernel, partitioning and nearest neighbor estimates, least squares estimates ...
被引用 525 次 - 相關文章 - 圖書館搜尋 - 全部共 12 個版本

20. [書籍] Sensitivity Analysis for Neural Networks
technofunda.in 提供的 [DF]
DS Yeung, I Cloete, D Shi… - 2010 - books.google.com
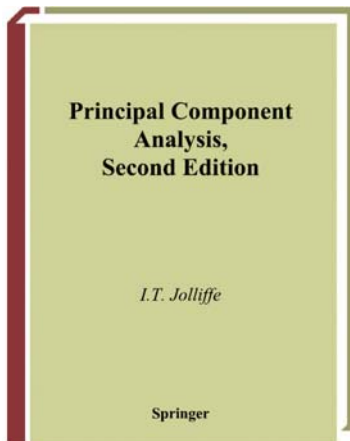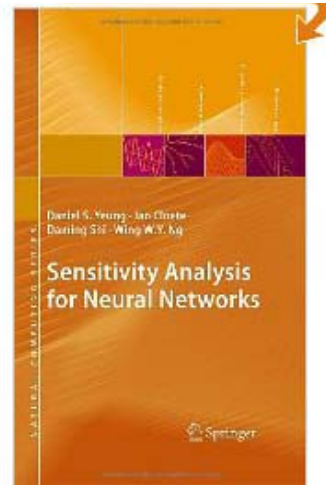Artificial neural networks are used to model systems that receive inputs and produce outputs. The relationships between the inputs and outputs and the representation parameters are critical issues in the design of related engineering systems, and sensitivity ...
被引用 7 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

21. [書籍] Principal component analysis
tiera.ru 提供的 [PDF]
IT Jolliffe… - 2002 - Wiley Online Library
Large datasets often include measurements on many variables. It may be possible to reduce the number of variables considerably while still retaining much of the information in the original dataset. A number of dimension-reducing techniques exist for doing this, and ...
被引用 13215 次 - 相關文章 - 圖書館搜尋 - 全部共 17 個版本
.

22. [書籍] Clustering
R Xu… - 2009 - dl.acm.org
Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...
被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本
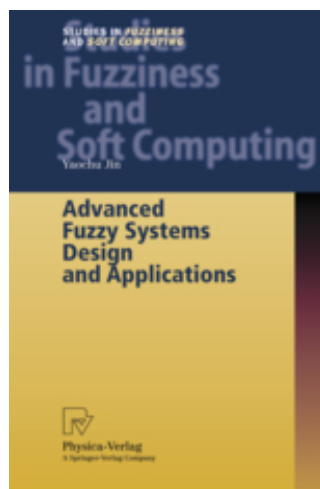
23. [書籍] Advanced fuzzy systems design and applications
Y Jin - 2003 - books.google.com
This book presents a variety of recently developed methods for generating fuzzy rules from data with the help of neural networks and evolutionary algorithms. Special efforts have been put on dealing with knowledge incorporation into neural and evolutionary systems and ...
被引用 94 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

24.　[書籍] Cluster analysis for data mining and system identification
J Abonyi… - 2007 - lavoisier.fr
Data clustering is a common technique for statistical data analysis,
which is used in many
fields, including machine learning, data mining, pattern recognition,
image analysis and
bioinformatics. Clustering is the classification of similar objects into
different groups, or ...
被引用 68 次 - 相關文章 - 頁庫存檔 - 圖書館搜尋 - 全部共 8 個版本

25.　[書籍] The nature of mathematical modeling
mit.edu 提供的 [PDF]
NA Gershenfeld - 1999 - books.google.com
This book first covers exact and approximate analytical techniques
(ordinary differential and difference equations, partial differential equations,
variational principles, stochastic processes); numerical methods (finite
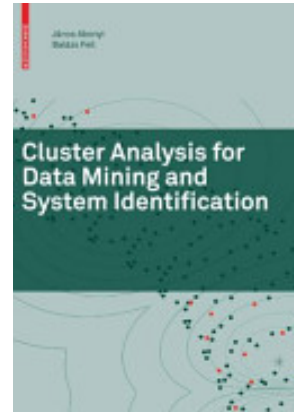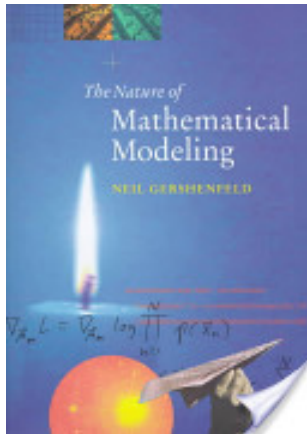differences for ODE's and PDE's, finite elements, ...
被引用 584 次 - 相關文章 - 圖書館搜尋 - 全部共 14 個版本

26. [書籍] ART-based fuzzy classifiers: ART fuzzy networks
for automatic classification
E Sapojnikova - 2003 - books.google.com
Bibliografische Information Der Deutschen Bibliothek Die
Deutsche Bibliothek verzeichnet diese
Publikation in der Deutschen Nationalbibliografie; detaillierte
bibliografische Daten sind im Internet
über http://dnb.ddb.de abrufbar. 1. Aufl. - Göttingen : Cuvillier,
2004 Zugl.: Tübingen, ...
被引用 15 次 - 相關文章 - 圖書館搜尋

27.　[書籍] Theory and Use of
the EM Algorithm
washington.edu 提供的 [PDF]
MR Gupta… - 2011 - books.google.com
Theory and Use of the EM Algorithm introduces the expectation-
maximization (EM) algorithm and provides an intuitive and mathematically
rigorousunderstanding of this method. It describes in detail two of the most
popularapplications of EM: estimating ...
被引用 13 次 - 相關文章 - 圖書館搜尋 - 全部共 11 個版本

28. [書籍] Functional Adaptive Control: An Intelligent Systems Approach
SG Fabri… - 2001 - books.google.com
This book presents a wide range of techniques that lead to novel strategies for effecting intelligent control of complex systems that are typically characterised by uncertainty, nonlinear dynamics, component failure, unpredictable disturbances, multi-modality and ...
被引用 71 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本

29. [書籍] Value-at-Risk-Schätzung mit Gauß'schen Mischverteilungen und künstlichen neuronalen Netzen
R Prinzler - 2001 - books.google.com
Most people are not natural-born statisticians. Left to our own devices we are not very good at picking out patterns from a sea of noisy data. To put it another way, we are all too good at picking out non-existent patterns that happen to suit our purposes.
被引用 4 次 - 相關文章 - 圖書館搜尋

30. [書籍] Optimale Investitionsentscheidungen mit neuronalen Netzen
R Neuneier - 1998 - books.google.com
Abstrakt Die vorliegende Arbeit untersucht die Einsatzmöglichkeiten Neuronaler Netze zur
datengetriebenen Unterstützung von Investitionsentscheidungen. Dazu werden zwei
Problemstellungen der Finanzanalyse im Detail analysiert, die sich in der Risikoaversion ...
被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本
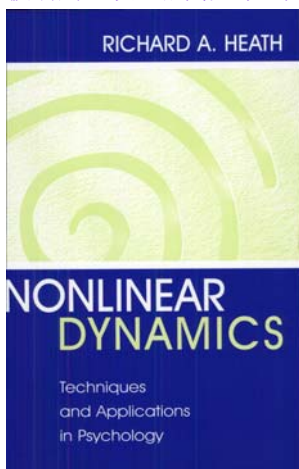
31. [書籍] Nonlinear dynamics: Techniques and applications in psychology
RA Heath - 2000 - books.google.com
Additional Resource Materials< br> Human behavior would not be interesting to us if it remained the same from one moment to the next. Moreover, we tend to be sensitive to changes in people's behavior, especially when such change impacts on our own, and ...
被引用 88 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本

32. [書籍] Neural Based Orthogonal Data Fitting: The EXIN Neural Networks
G Cirrincione… - 2010 - books.google.com
< p> The presentation of a novel theory in orthogonal regression< p> The literature about neural-based algorithms is often dedicated to principal component analysis (PCA) and considers minor component analysis (MCA) a mere consequence. Breaking the mold, ...
被引用 1 次 - 相關文章 - 圖書館搜尋

33. [書籍] Perspectives on cognitive science: theories, experiments, and foundations
J Wiles… - 1999 - books.google.com
Preface to the Series PERSPECTIVES ON COGNITIVE SCIENCE Theories, Experiments, and
Foundations Peter Slezak, series editor This series presents the broad range of research under the heading of interdisciplinary " cognitive science." The present volume contains a wide ...
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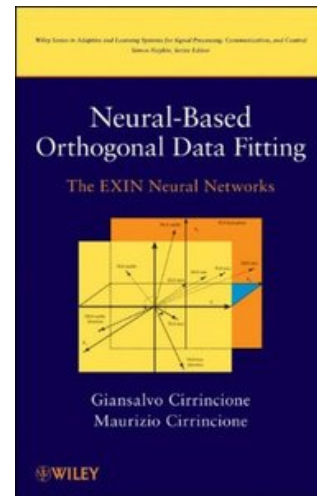
34. [書籍] Information theory in computer vision and pattern recognition
F Escolano, P Suau… - 2009 - books.google.com
Information theory has proved to be effective for solving many computer vision and pattern recognition (CVPR) problems (such as image matching, clustering and segmentation, saliency detection, feature selection, optimal classifier design and many others). ...
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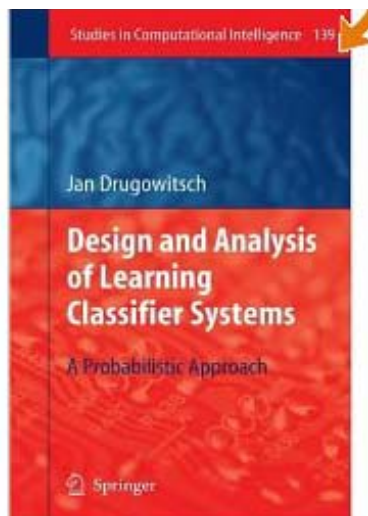
35. [書籍] Design and analysis of learning classifier systems: A probabilistic approach
J Drugowitsch - 2008 - books.google.com
This book provides a comprehensive introduction to the design and analysis of Learning Classifier Systems (LCS) from the perspective of machine learning. LCS are a family of methods for handling unsupervised learning, supervised learning and sequential decision ...
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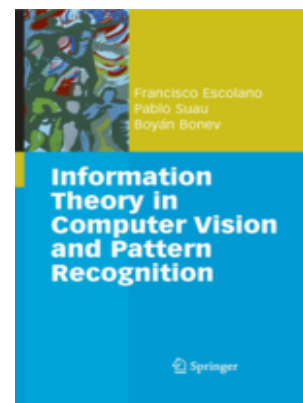
36. [書籍] Bridging the gap between graph edit distance and kernel machines

M Neuhaus… - 2007 - books.google.com

In graph-based structural pattern recognition, the idea is to transform patterns into graphs and perform the analysis and recognition of patterns in the graph domain-commonly referred to as graph matching. A large number of methods for graph matching have been proposed ...

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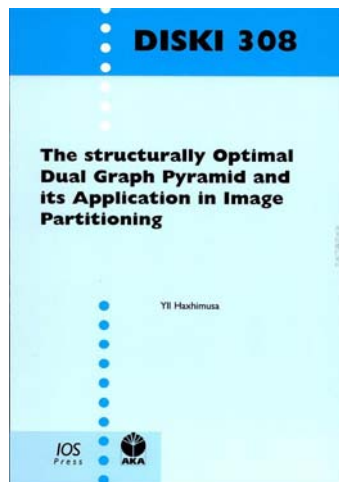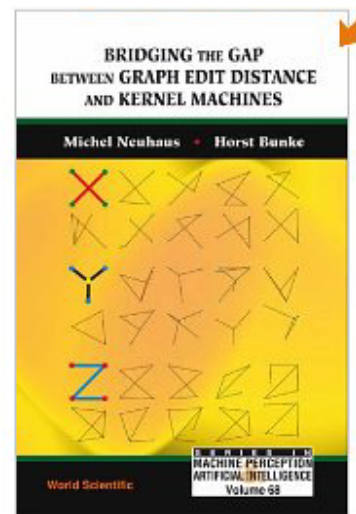
37. [書籍] The structurally Optimal Dual Graph Pyramid and its application in image partitioning

Y Haxhimusa - 2006 - books.google.com

Die Dissertation von Dr. Yll Haxhimusa setzt die Forschungen mit Bildpyramiden auf der Basis von Graphenstrukturen fort. Die Grundidee einer Bildpyramide ist die schrittweise Reduktion der Information eines digitalen Bildes um einen konstanten Faktor und die ...

被引用 3 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

38. [書籍] Computational ecology: artificial neural networks and their applications

W Zhang - 2010 - books.google.com

Due to the complexity and non-linearity of most ecological problems, artificial neural networks (ANNs) have attracted attention from ecologists and environmental scientists in recent years. As these networks are increasingly being used in ecology for modeling, ...

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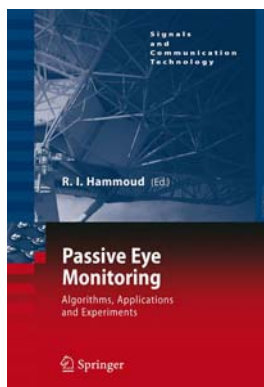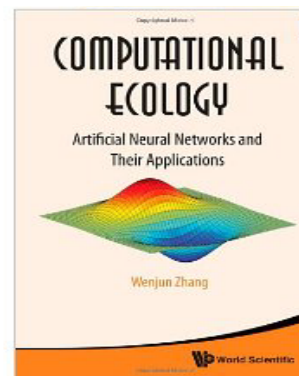
39. [書籍] Passive eye monitoring: algorithms, applications and experiments

RI Hammoud - 2008 - books.google.com

This practical reference provides you a comprehensive in-depth coverage of both theory and practice of cutting-edge Passive Eye (-Gaze) Monitoring technology. It describes and examines vision algorithms, Human Factors methodologies, and hardware build in eye- ...

被引用 18 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本

40. [書籍] YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with Applications in Quantum Computing, Cognitive Informatics and Life Sciences

WR Zhang - 2011 - books.google.com

YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with
Applications in Quantum Computing, Cognitive Informatics and Life Sciences presents real-
world applications of YinYang bipolar relativity that focus on quantum computing and ...

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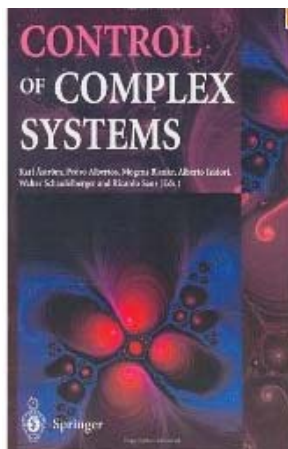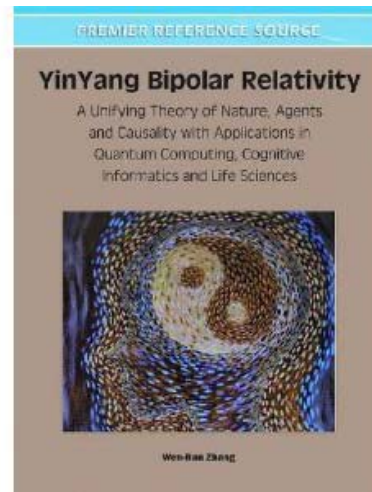
41. [書籍] Control of complex systems

KJ Åström - 2001 - books.google.com

The world of artificial systems is reaching hitherto undreamed-of levels of complexity. Surface traffic, electricity distribution, mobile communications, etc., demonstrate that problems are arising that are beyond classical scientific or engineering knowledge. In ...

被引用 98 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本

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1. [PDF] An alternative model for mixtures of experts   **cuhk.hk** 提供的 [PDF]

L Xu, MI Jordan… - Advances in neural information …, 1995 - cs.cuhk.hk

Page 1. An Alternative Model for Mixtures of Experts Lei Xu Dept. of Computer Science, The Chinese University of Hong Kong Shatin, Hong Kong, Email lxu@cs.cuhk.hk Michael I. Jordan Dept. of Brain and Cognitive Sciences MIT Cambridge, MA 02139 Geo rey E. Hinton Dept. ...

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Cited by 6 books

[書籍] The EM algorithm and extensions   **hcmus.edu.vn** 提供的 [PDF]

GJ McLachlan… - 1997 - math.hcmus.edu.vn

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[書籍] Robot programming by demonstration

S Calinon - 2009 - books.google.com

< p> Also referred to as learning by imitation, tutelage, or apprenticeship learning, Programming by Demonstration (PbD) develops methods by which new skills can be transmitted to a robot. This book examines methods by which robots learn new skills ...

被引用 49 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

[書籍] Predictive modular neural networks: applications to time series

V Petridis… - 1998 - books.google.com

This book presents a unified methodology for designing modular neural networks. A family of online algorithms for time series classification, prediction and identification are developed; and a rigorous mathematical analysis of their properties is provided. Case studies ...

被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

[書籍] Modular on-line function approximation for scaling up reinforcement learning

CK Tham - 1994 - ece.nus.edu.sg   nus.edu.sg 提供的 **[PDF]**

Summary Reinforcement learning is a powerful learning paradigm for autonomous agents which interact with unknown environments with the objective of maximizing cumulative payo. Recent research has ..

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[書籍] Neural network systems, techniques and applications in pattern recognition   **psu.edu** 提供的 [PDF]

J Lampinen, J Laaksonen… - 1997 - Citeseer

Pattern recognition (PR) is the science and art of giving names to the natural objects in the real world. It is often considered part of arti cial intelligence. However, the problem here is even more challenging because the observations are not in symbolic form and often ...

被引用 8 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 4 個版本

[書籍] Adaptive combinations of classifiers with application to on-line handwritten character recognition

MJ Aksela - 2007 – Citeseer   psu.edu 提供的 **[PDF]**

Aksela, M.(2007): Adaptive combinations of classifiers with application to on-line handwritten character recognition. Doctoral thesis, Helsinki University of Technology, Dissertations in Computer and Information Science, Report D19, Espoo, Finland. ...

被引用 6 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 5 個版本

2. [Methods of combining multiple classifiers and their applications to handwriting recognition](#)
L Xu, A Krzyzak… - Systems, Man and Cybernetics, …, 1992 - ieeexplore.ieee.org
Abstract Possible solutions to the problem of combining classifiers can be divided into three
categories according to the levels of information available from the various classifiers. Four
approaches based on different methodologies are proposed for solving this problem. One ...
被引用 1752 次 - 相關文章

Cited by 22 books
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[書籍] Principles of data mining   **unbox.org 提供的** [PDF]
DJ Hand, H Mannila… - 2001 - books.google.com
The growing interest in data mining is motivated by a common problem across disciplines:
how does one store, access, model, and ultimately describe and understand very large data
sets? Historically, different aspects of data mining have been addressed independently by ...
被引用 2467 次 - 相關文章 - 圖書館搜尋 - 全部共 81 個版本

[書籍] Handbook of fingerprint recognition   **unibo.it 提供的** [PDF]
D Maltoni, D Maio, AK Jain… - 2009 - books.google.com
This handbook provides in-depth coverage of the most recent advances and practices.
Readers will find comprehensive and authoritative coverage of all the major concepts,
topics, and security methods associated with fingerprint recognition. Written with the same ...
被引用 1944 次 - 相關文章 - 圖書館搜尋 - 全部共 16 個版本

[PDF] Combining pattern classifiers: methods and algorithms   **amstat.org 提供的** [PDF]
SC Bagui - Technometrics, 2005 - ASA
In the Preface, the authors write that "the aim of this book is to present multivariate data
analysis in a way that is understandable for nonmathematicians and practitioners who are
confronted by statistical data analysis." In reality, the mathematics and statistical theory is ...
被引用 1634 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 16 個版本

[書籍] Mathematical techniques in multisensor data fusion   **wisc.edu 提供的** [PDF]
DL Hall… - 2004 - books.google.com
Today's information systems process vast amounts of data that stream in from a multitude of
networks, databases, and sensors. Data fusion is increasingly the method of choice for
combining these vast quantities of data to form cohesive pieces of information. Complex ...
被引用 1206 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Handbook of multibiometrics
AA Ross, K Nandakumar… - 2006 - books.google.com
Reliable human authentication schemes are of paramount importance in our highly networked society.
Advances in biometrics help address the myriad of problems associated
with traditional human recognition methods. The performance and benefits of a biometric ...
被引用 526 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Fuzzy algorithms: with applications to image processing and pattern recognition
Z Chi, H Yan… - 1996 - books.google.com
In the fields of image processing and pattern recognition, a great number of different
techniques have been investigated, developed, and implemented in the last few decades.
Starting from statistical models to neural network algorithms, researchers from all over the ...
被引用 357 次 - 相關文章 - 圖書館搜尋 - 全部共 11 個版本

[書籍] Fuzzy classifier design
LI Kuncheva - 2000 - books.google.com This book about fuzzy classifier design briefly introduces the
fundamentals of supervised pattern recognition and fuzzy set theory. Fuzzy if-then classifiers are defined

and some heoretical properties thereof are studied. Popular training algorithms are detailed. Non if- ...
被引用 351 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本

[書籍] Online ensemble learning   psu.edu 提供的 [PDF]
NC Oza, - 2001 - aaai.org
Ensemble learning methods train combinations of base models, which may be decision
trees, neural networks, or others traditionally used in supervised learning. Ensemble
methods have gained popularity because many researchers have demonstrated their ...
被引用 68 次 - 相關文章 - 圖書館搜尋 - 全部共 16 個版本

[書籍] Multibiometric systems: fusion strategies and template security   dtic.mil 提供的 [PDF]
K Nandakumar - 2008 - books.google.com
First, we propose a fusion methodology based on the Neyman-Pearson theorem for
combination of match scores provided by multiple biometric matchers. The likeli-hood ratio
(LR) test used in the Neyman-Pearson theorem directly maximizes the genuine accept ...
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V Petridis… - 1998 - books.google.com
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and a rigorous mathematical analysis of their properties is provided. Case studies ...
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[書籍] Bio-inspired credit risk analysis: computational intelligence with support vector machines
L Yu, S Wang, KK Lai… - 2008 - books.google.com
Credit risk analysis is one of the most important topics in the field of financial risk
management. Due to recent financial crises and regulatory concern of Basel II, credit risk
analysis has been the major focus of financial and banking industry. Especially for some ...
被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本

[書籍] The representation and recognition of text using hidden Markov models   surrey.ac.uk 提供的 [PS]
AJ Elms - 1996 - xm2vtsdb.ee.surrey.ac.uk
Summary A method is described for representing character images which involves the
extraction of features from the columns and rows of pixels which constitute each bitmap
image. Discrete hidden Markov models (HMMs) are used to represent sequences of ...
被引用 25 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 11 個版本

[書籍] Foreign-exchange-rate forecasting with artificial neural networks
L Yu, S Wang… - 2007 - books.google.com
The book focuses on forecasting foreign exchange rates via artificial neural networks. It
creates and applies the highly useful computational techniques of Artificial Neural Networks
(ANNs) to foreign-exchange-rate forecasting. The result is an up-to-date review of the ...
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[書籍] Weak intelligence: Through the principle and paradox of multiple knowledge   ijs.si 提供的 [PS]
M Gams - 2001 - ai.ijs.si
The terms\ weak" and\ strong" AI were originally de ned by Searle (1982); here, we shall
introduce similar ones based on our viewpoints. There are several terms attached to the old
and still dominant AI: symbolic, classical, formalistic, strong. The latest alludes to several ...
被引用 19 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 2 個版本

[書籍] Application of quantitative techniques for the prediction of bank acquisition targets
F Pasiouras, S Tanna… - 2005 - books.google.com

In recent years, the banking industry has faced significant challenges due to deregulation, globalization, financial innovation, and intensified global competition. In response to these challenges, banks have adopted strategies to grow and expand their activities, with ...
被引用 14 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本

[書籍] Pattern classification using ensemble methods
L Rokach - 2010 - books.google.com
Researchers from various disciplines such as pattern recognition, statistics, and machine learning have explored the use of ensemble methodology since the late seventies. Thus, they are faced with a wide variety of methods, given the growing interest in the field. This ...
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[書籍] Temporal sensorfusion for the classification of bioacoustic time series   psu.edu 提供的 [PDF]
CR Dietrich - 2003 - Citeseer
Abstract Classifying species by their sounds is a fundamental challenge in the study of animal vocalisations. Most of existing studies are based on manual inspection and labelling of acoustic features, eg amplitude signals and sound spectra, which relies on the ...
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[書籍] Adaptive combinations of classifiers with application to on-line handwritten character recognition
MJ Aksela - 2007 – Citeseer   psu.edu 提供的 [PDF]
Aksela, M.(2007): Adaptive combinations of classifiers with application to on-line handwritten character recognition. Doctoral thesis, Helsinki University of Technology, Dissertations in Computer and   ...
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[書籍] Face Biometrics for Personal Identification   archinform.net 提供的 [PDF]
RI Hammoud, BR Abidi… - 2007 - toc.archinform.net
Page 1. Riad I. Hammoud • Besma R. Abidi • Mongi A. Abidi (Eds.) Face Biometrics for Personal Identification Multi-Sensory Multi-Modal Systems With 118 Figures, 76 in Color and 24 Tables 4y Sprin ger Page 2. Contents 1 Introduction Lawrence B. Wolff 1 ...
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[書籍] Activity monitoring: continuous recognition and performance evaluation   lancs.ac.uk 提供的 [PDF]
JA Ward - 2006 - books.google.com
This chapter provides a brief motivation on the need for activity monitoring, specifically as part of a context aware wearable system for use in assembly and maintenance tasks. The two areas covered in this thesis, namely the recognition of activities using on-body ...
被引用 3 次 - 相關文章 - 圖書館搜尋 - 全部共 20 個版本

[書籍] 外汇汇率与国际原油价格波动预测: TEL@ I 方法论   panyj.net 提供的 [PDF]
余乐安， 汪寿阳… - 2006 - panyj.net
外汇市场和国际原油市场是两个非常重要而又复杂多变的市场, 外汇汇率和国际原油价格的变化都具有高度波动性的特征. 特别是欧元和欧佩克组织诞生之后, 外汇市场和国际原油市场的波动更是变化莫测, 如近两年的国际油价, 从每桶 30 多美元飙升到每桶 57 美元. 许多重要突发事件 ...
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[書籍] Combining Classifiers using the Dempster Shafer Theory of Evidence   psu.edu 提供的 [PDF]
I Naseem - 2010 - Citeseer
The ultimate goal of designing pattern recognition systems is to achieve the best possible classification performance for the task at hand. This objective traditionally led to the development of different classification schemes for any pattern recognition problem to be ...
被引用 2 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 7 個版本

3. [Least mean square error reconstruction principle for self-organizing neural-nets](#)

L Xu - Neural Networks, 1993 – Elsevier   imamu.edu.sa 提供的 **[PDF]**

... Requests for reprints should be sent to Lei Xu, G-14 Pierce Hall, Division of Applied Sciences, Harvard University, Cambridge, MA 02138, USA. ... 627 628 L. Xu Second, the Oja subspace rule (Oja, 1989) and some other PCA models (eg, Foldiak, 1989) do not perform true PCA ...

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[書籍] [Independent component analysis](#)

A Hyvärinen, J Karhunen… - 2001 - books.google.com

A comprehensive introduction to ICA for students and practitioners< br> Independent Component Analysis (ICA) is one of the most exciting new topics in fields such as neural networks, advanced statistics, and ...

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[書籍] [Neural networks in a softcomputing framework](#)   uwindsor.ca 提供的 [PDF]

KL Du, MNS Swamy… - 2006 - cronus.uwindsor.ca

In this chapter, we first briefly go through the history of neural-network research. We then describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation, structures of neural networks ...

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[書籍] [Pyramidal neural networks](#)

H Bischof - 1995 - books.google.com

A large amount of information about the world we live in is supplied by our visual systems. Humans perform the task of vision effortlessly without being aware of this complex process. Hierarchical structures

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[書籍] [Hebbian learning and negative feedback networks](#)

C Fyfe - 2005 - books.google.com

The central idea of Hebbian Learning and Negative Feedback Networks is that artificial neural networks using negative feedback of activation can use simple Hebbian learning to self-organise so that they uncover

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[書籍] [Non-Standard Parameter Adaptation for Exploratory Data Analysis](#)

WA Barbakh, Y Wu… - 2009 - books.google.com

Exploratory data analysis, also known as data mining or knowledge discovery from databases, is typically based on the optimisation of a specific function of a dataset. Such optimisation is often performed with ...

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[書籍] [Statistical Dynamics of On-line Unsupervised Learning](#)   psu.edu 提供的 [PDF]

G Basalyga… - 2003 - Citeseer

This chapter introduces the basic terminology and defines the main research problems considered in this thesis. The theoretical and methodological aspects of these problems are then discussed. An outline of ...

相關文章 - HTML 版 - 圖書館搜尋 - 全部共 3 個版本

[書籍] [Mobile Hybrid Intrusion Detection: The MOVICAB-IDS System](#)

Á Herrero… - 2011 - books.google.com

This monograph comprises work on network-based Intrusion Detection (ID) that is grounded in visualisation and hybrid Artificial Intelligence (AI). It has led to the design of MOVICAB-IDS (MObile VIsualisation Connectionist Agent-Based IDS), a novel Intrusion Detection ...

相關文章 - 圖書館搜尋

4. On radial basis function nets and kernel regression: statistical consistency, convergence rates, and receptive field size **cuhk.hk 提供的** [PDF]

L Xu, A Krzyzak… - Neural Networks, 1994 - Elsevier

... The second author thanks the Alexander von Humboldt Foundation for support. Requests for reprints should be sent to Dr. Lei Xu, Department of Computer Science, The Chinese University of Hong Kong, Shatin, NT, Hong Kong. ... 612 L. Xu. ...

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[書籍] Pattern recognition and neural networks **ox.ac.uk 提供的** [PDF]

BD Ripley - 2008 - books.google.com

Now in paperback: the most reliable account of the statistical framework for pattern recognition and machine learning. With unparalleled coverage and a wealth of case-studies this book gives valuable insight into both the theory and the enormously diverse ...

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[書籍] A probabilistic theory of pattern recognition **bme.hu 提供的** [PDF]

L Devroye, L Györfi… - 1996 - books.google.com

Pattern recognition presents one of the most significant challenges for scientists and engineers, and many different approaches have been proposed. The aim of this book is to provide a self-contained account of probabilistic analysis of these approaches. The book ...

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[書籍] A distribution-free theory of nonparametric regression **dsu.dp.ua 提供的** [PDF]

L Györfi - 2002 - books.google.com

This book provides a systematic in-depth analysis of nonparametric regression with random design. It covers almost all known estimates such as classical local averaging estimates including kernel, partitioning and nearest neighbor estimates, least squares estimates ...

被引用 525 次 - 相關文章 - 圖書館搜尋 - 全部共 12 個版本

[書籍] Pyramidal neural networks

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[書籍] Sensitivity Analysis for Neural Networks

technofunda.in 提供的 **[PDF]**

DS Yeung, I Cloete, D Shi… - 2010 - books.google.com

Artificial neural networks are used to model systems that receive inputs and produce outputs. The relationships between the inputs and outputs and the representation parameters are critical issues in the design of related engineering systems, and sensitivity ...

被引用 7 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

5. **Rival penalized competitive learning for clustering analysis, RBF net, and curve detection**

L Xu, A Krzyzak… - Neural Networks, IEEE Transactions …, 1993 - ieeexplore.ieee.org
... Lei Xu, Adam Krzyzak, Member, IEEE, and Erkki Oja, Senior Member, IEEE ... L. Xu is with the
Harvard Robotics Laboratory, Harvard University, Cambridge, MA 02138 and is also with the
Department of Mathematics, Peking University, Beijing, P. R. China. ...
被引用 532 次 - 相關文章 - 全部共 12 個版本

Cited by 10 books

[書籍] A probabilistic theory of pattern recognition
L Devroye, L Györfi… - 1996 - books.google.com
Pattern recognition presents one of the most significant challenges for scientists and
engineers, and many different approaches have been proposed. The aim of this book is to
provide a self-contained account of probabilistic analysis of these approaches. The book ...
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[書籍] A distribution-free theory of nonparametric regression
L Györfi - 2002 - books.google.com
This book provides a systematic in-depth analysis of nonparametric regression with random
design. It covers almost all known estimates such as classical local averaging estimates
including kernel, partitioning and nearest neighbor estimates, least squares estimates ...
被引用 525 次 - 相關文章 - 圖書館搜尋 - 全部共 12 個版本

[書籍] Clustering
R Xu… - 2009 - dl.acm.org
Abstract This is the first book to take a truly comprehensive look at clustering. It begins with
an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical
clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...
被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

[書籍] Advanced fuzzy systems design and applications
Y Jin - 2003 - books.google.com
This book presents a variety of recently developed methods for generating fuzzy rules from
data with the help of neural networks and evolutionary algorithms. Special efforts have been
put on dealing with knowledge incorporation into neural and evolutionary systems and ...
被引用 94 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

[書籍] Neural networks in a softcomputing framework
KL Du, MNS Swamy… - 2006 - cronus.uwindsor.ca
In this chapter, we first briefly go through the history of neural-network research. We then
describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation,
structures of neural networks as well as various learning paradigms. Properties of neural ...
被引用 68 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 12 個版本

[書籍] Time series knowledge mining
F Mörchen - 2006 - Citeseer
Abstract An important goal of knowledge discovery is the search for patterns in data that can
help explain the underlying process that generated the data. The patterns are required to be
new, useful, and understandable to humans. In this work we present a new method for the ...
被引用 46 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 9 個版本

[書籍] Predictive modular neural networks: applications to time series

V Petridis… - 1998 - books.google.com
This book presents a unified methodology for designing modular neural networks. A family
of online algorithms for time series classification, prediction and identification are developed;
and a rigorous mathematical analysis of their properties is provided. Case studies ...
被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

[書籍] Cluster analysis for data mining and system identification
J Abonyi… - 2007 - lavoisier.fr
Data clustering is a common technique for statistical data analysis, which is used in many
fields, including machine learning, data mining, pattern recognition, image analysis and
bioinformatics. Clustering is the classification of similar objects into different groups, or ...
被引用 68 次 - 相關文章 - 頁庫存檔 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Nearest neighbor classification with a local asymmetrically weighted metric   psu.edu 提供的 [PDF]
F Ricci, P Avesani… - 1996 - Citeseer
Abstract This paper introduces a new local asymmetric weighting scheme for the nearest
neighbor classi cation algorithm. It is shown both with theoretical arguments and computer
experiments that good compression rates can be achieved outperforming the accuracy of ...
被引用 5 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 3 個版本

[書籍] Zur analytischen Beschreibung von Fuzzy-Systemen   uni-due.de 提供的 [PDF]
A Kroll - 1995 - uni-due.de
Durch Fuzzy {Systeme lassen sich Systeme uber linguistische Wenn {Dann {Regeln
beschreiben. Im allgemeinen lat sich eine solche Beschreibungsform nicht durch einen
geschlossenen analytischen Ausdruck ersetzen. Viele der bekannten Verfahren zur ...
被引用 2 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 2 個版本

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6.   Probabilistic and non-probabilistic Hough transforms: overview and comparisons
                                                                    cuhk.hk 提供的 [PDF]
H Kälviäinen, P Hirvonen, L Xu… - Image and vision computing, 1995 - Elsevier
... References. Probabilistic and non probabilistic Hough transforms: overview and comparisons
Heikki Kalviainen Petri Hirvonen*, Lei XL and ... Recogn., Vol 20 No 2 (1987) pp 257263 3 Xu, L,
被引用 179 次 - 相關文章 - 全部共 9 個版本

Cited by 2 books

[書籍] Marswalk One: first steps on a new planet
D Shayler, A Salmon… - 2005 - books.google.com
MARSWALK ONE: First Steps on a New Planet addresses the question of why we should embark on a
journey to Mars, documenting what the first human crew will do when they place their feet in the red dust ...
被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Context-based compression of binary images   joensuu.fi 提供的 [PDF]
E Ageenko - 2000 - cs.joensuu.fi
I would like to kindly thank my good friends and colleagues for the help in the creation of this
thesis: Pasi Fränti, the supervisor of my study and co-author of our papers; Olli Nevalainen
and Søren Forschammer, the reviewers; Jussi Parkkinen, Jorma Tarhio, and Martti ...
被引用 1 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

7. [Modified Hebbian learning for curve and surface fitting](#)   **psu.edu 提供的** [PDF]
L Xu, E Oja… - Neural Networks, 1992 - Elsevier
... ORIGINAL CONTRIBUTION Modified Hebbian Learning for Curve and Surface Fitting LEI
XU1'2., ERKKI OJA3, AND CHING Y. SUEN2 tHarvard Robotics Laboratory, Harvard ... The problem
is often encountered in many engineering applications as 441 442 L. Xu, E. Oja, and C ...
被引用 211 次 - 相關文章 - 全部共 8 個版本

[書籍] [Principal component neural networks: theory and applications](#)
KI Diamantaras… - 1996 - mendeley.com
Abstract//---------------//Subject: Book on PCA and Neural Networks//From:" Kostas
Diamantaras" Mon, 22 Apr 1996 16: 21: 26-0400////New book announcement://PRINCIPAL
COMPONENT NEURAL NETWORKS: Theory and Applications//KI Diamantaras, Aristotle ...
被引用 944 次 - 相關文章 - 頁庫存檔 - 圖書館搜尋 - 全部共 5 個版本

[書籍] [Artificial neural networks](#)
B Yegnanarayana - 2004 - books.google.com
Over the past fifteen years, a view has emerged that computing based on models inspired by
our understanding of the structure and function of the biological neural networks may hold
the key to the success of solving intelligent tasks by machines. The new field is called ...
被引用 263 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本

[書籍] [Nonlinear dynamics: Techniques and applications in psychology](#)
RA Heath - 2000 - books.google.com
Additional Resource Materials< br> Human behavior would not be interesting to us if it
remained the same from one moment to the next. Moreover, we tend to be sensitive to
changes in people's behavior, especially when such change impacts on our own, and ...
被引用 88 次 - 相關文章 - 圖書館搜尋 - 全部共 5 個版本

[書籍] [Neural networks in a softcomputing framework](#)   **uwindsor.ca 提供的** [PDF]
KL Du, MNS Swamy… - 2006 - cronus.uwindsor.ca
In this chapter, we first briefly go through the history of neural-network research. We then
describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation,
structures of neural networks as well as various learning paradigms. Properties of neural ...
被引用 68 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 12 個版本

 [書籍] [Hebbian learning and negative feedback networks](#)
C Fyfe - 2005 - books.google.com
The central idea of Hebbian Learning and Negative Feedback Networks is that artificial
neural networks using negative feedback of activation can use simple Hebbian learning to
self-organise so that they uncover interesting structures in data sets. Two variants are ...
被引用 19 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] [Neural minor component analysis and TLS](#)
G Cirrincione… - 2002 - books.google.com
Abstract The TLS problem can be solved by using neural networks. However, this method
can be better described in the framework of iterative numerical methods for TLS. This is
justified by the separation between the neural and the numerical experts. The ...
被引用 5 次 - 相關文章

[書籍] [Neural Based Orthogonal Data Fitting: The EXIN Neural Networks](#)

G Cirrincione… - 2010 - books.google.com

< p> The presentation of a novel theory in orthogonal regression< p> The literature about neural-based algorithms is often dedicated to principal component analysis (PCA) and considers minor component analysis (MCA) a mere consequence. Breaking the mold, ...

被引用 1 次 - 相關文章 - 圖書館搜尋

[書籍] Perspectives on cognitive science: theories, experiments, and foundations
J Wiles… - 1999 - books.google.com

Preface to the Series PERSPECTIVES ON COGNITIVE SCIENCE Theories, Experiments, and Foundations Peter Slezak, series editor This series presents the broad range of research under the heading of interdisciplinary " cognitive science." The present volume contains a wide ...

相關文章 - 圖書館搜尋 - 全部共 7 個版本

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8. On convergence properties of the EM algorithm for Gaussian mixtures   **mit.edu** 提供的 [PDF]
L Xu… - Neural computation, 1996 - MIT Press

... Neural Cornputdon 8, 129-151 (1996) @ 1995 Massachusetts Institute of Technology Page 2. 130 Lei Xu and Michael Jordan ... 1977; Redner and Walker 1984; Wu 1983). (Indeed the convergence is monotonic: $1(8('+') 2 l((-)(kl)$, where $0(')$ is the value ...

被引用 411 次 - 相關文章 - 全部共 44 個版本

Cited by 8 books

[書籍] The EM algorithm and extensions   **hcmus.edu.vn** 提供的 [PDF]
GJ McLachlan… - 1997 - math.hcmus.edu.vn

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Section 107 or 108 of the 1976 United States ...

被引用 3782 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 14 個版本

[書籍] The nature of mathematical modeling   **mit.edu** 提供的 [PDF]
NA Gershenfeld - 1999 - books.google.com

This book first covers exact and approximate analytical techniques (ordinary differential and difference equations, partial differential equations, variational principles, stochastic processes); numerical methods (finite differences for ODE's and PDE's, finite elements, ...

被引用 584 次 - 相關文章 - 圖書館搜尋 - 全部共 14 個版本

[書籍] Inference and learning in hybrid Bayesian networks   **ubc.ca** 提供的 [PDF]
KP Murphy - 1998 - people.cs.ubc.ca

Abstract We survey the literature on methods for inference and learning in Bayesian Networks composed of discrete and continuous nodes, in which the continuous nodes have a multivariate Gaussian distribution, whose mean and variance depends on the values of ...

被引用 64 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 10 個版本

[書籍] Paradigms of artificial intelligence: a methodological & computational analysis
AG Hoffmann - 1998 - books.google.com

This book presents a new methodological analysis of the two competing research paradigms of artificial intelligence and cognitive science: the symbolic versus the connectionist paradigm. It argues that much of the discussion put forward for either ...

被引用 39 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

[書籍] Novel estimation methods for unsupervised discovery of latent structure in natural language text
cmu.edu 提供的 **[PDF]**

NA Smith… - 2007 - kanagawa.lti.cs.cmu.edu
Abstract This thesis is about estimating probabilistic models to uncover useful hidden
structure in data; specifically, we address the problem of discovering syntactic structure in
natural language text. We present three new parameter estimation techniques that ...
被引用 32 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 17 個版本

[書籍] ART-based fuzzy classifiers: ART fuzzy networks for automatic classification
E Sapojnikova - 2003 - books.google.com
Bibliografische Information Der Deutschen Bibliothek Die Deutsche Bibliothek verzeichnet diese
Publikation in der Deutschen Nationalbibliografie; detaillierte bibliografische Daten sind im Internet
über http://dnb.ddb.de abrufbar. 1. Aufl. - Göttingen : Cuvillier, 2004 Zugl.: Tübingen, ...
被引用 15 次 - 相關文章 - 圖書館搜尋

[書籍] Theory and Use of the EM Algorithm   washington.edu 提供的 [PDF]
MR Gupta… - 2011 - books.google.com
Theory and Use of the EM Algorithm introduces the expectation-maximization (EM)
algorithm and provides an intuitive and mathematically rigorousunderstanding of this
method. It describes in detail two of the most popularapplications of EM: estimating ...
被引用 13 次 - 相關文章 - 圖書館搜尋 - 全部共 11 個版本

[書籍] Object detection and segmentation for visual surveillance   uva.nl 提供的 [PDF]
PJ Withagen - 2006 - dare.uva.nl
Downloaded from UvA-DARE, the Institutional Repository of the University of Amsterdam
(UvA) http://dare.uva.nl/document/18442 ... SOURCE, OR PART OF THE FOLLOWING
SOURCE: Type Dissertation Title Object detection and segmentation for visual ...
被引用 7 次 - 相關文章 - HTML 版 - 全部共 7 個版本

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9. **Bayesian Ying-Yang machine, clustering and number of clusters1**   cuhk.hk 提供的 **[PDF]**
L Xu - Pattern Recognition Letters, 1997 - Elsevier
... Three categories of separation functionals, namely Convex Divergence, L p
Divergence, and De-correlation Index, have been suggested in (Xu, 1997c).
Particularly, the Convex Divergence is defined as (8) where f(u) is strictly ...
被引用 105 次 - 相關文章 - 全部共 13 個版本

Cited by 2 books

 [書籍] Clustering
R Xu… - 2009 - dl.acm.org
Abstract This is the first book to take a truly comprehensive look at clustering. It begins with
an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical
clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...
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[書籍] Entwicklung eines lernfähigen Bildverarbeitungssystems unter Einsatz von Verfahren des Soft
computing   mkoeppen.com 提供的 [PDF]
M Köppen… - 2006 - science.mkoeppen.com
Die vorliegende Dissertation ist das Ergebnis der langjährigen Mitarbeit in der Abteilung
Sicherheitstechnik, ehem. Mustererkennung des Fraunhofer Institutes für
Produktionsanlagen und Konstruktionstechnik. In diesen Jahren boten sich mir einmalige, ...
相關文章 - HTML 版 - 圖書館搜尋 - 全部共 2 個版本

10. [Convergence results for the EM approach to mixtures of experts architectures](#)   **mit.edu 提供的** [PDF]

…, L Xu - Neural networks, 1995 - Elsevier

... All rights reserved 0893080 95 9.50+ .00 CONTRIBUTED ARTICLE Convergence Results for
the EM Approach to Mixtures of Experts Architectures MICHAEL I. JORDAN AND LEI XU
Massachusetts Institute of Technology (Received 27 September 1993 ... Xu, L., Jordan, MI (1993). ...

被引用 260 次 - 相關文章 - 圖書館搜尋 - 全部共 61 個版本

[書籍] [The EM algorithm and extensions](#)   **hcmus.edu.vn 提供的** [PDF]

GJ McLachlan… - 1997 - math.hcmus.edu.vn

被引用 3782 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 14 個版本

[書籍] [Fuzzy classifier design](#)

LI Kuncheva - 2000 - books.google.com

This book about fuzzy classifier design briefly introduces the fundamentals of supervised pattern
recognition and fuzzy set theory. Fuzzy if-then classifiers are defined and some theoretical properties
thereof are studied. Popular training algorithms are detailed. Non if- ...

被引用 351 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本

[書籍] [Functional Adaptive Control: An Intelligent Systems Approach](#)

SG Fabri… - 2001 - books.google.com

This book presents a wide range of techniques that lead to novel strategies for effecting
intelligent control of complex systems that are typically characterised by uncertainty,
nonlinear dynamics, component failure, unpredictable disturbances, multi-modality and ...

被引用 71 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本

[書籍] [Novel estimation methods for unsupervised discovery of latent structure in natural language text](#)
cmu.edu 提供的 **[PDF]**

NA Smith… - 2007 - kanagawa.lti.cs.cmu.edu

Abstract This thesis is about estimating probabilistic models to uncover useful hidden
structure in data; specifically, we address the problem of discovering syntactic structure in
natural language text. We present three new parameter estimation techniques that ...

被引用 32 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 17 個版本

[書籍] [Predictive modular neural networks: applications to time series](#)

V Petridis… - 1998 - books.google.com

This book presents a unified methodology for designing modular neural networks. A family
of online algorithms for time series classification, prediction and identification are developed;
and a rigorous mathematical analysis of their properties is provided. Case studies ...

被引用 27 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

[書籍] [Value-at-Risk-Schätzung mit Gauß'schen Mischverteilungen und künstlichen neuronalen Netzen](#)

R Prinzler - 2001 - books.google.com

Most people are not natural-born statisticians. Left to our own devices we are not very good
at picking out patterns from a sea of noisy data. To put it another way, we are all too good at
picking out non-existent patterns that happen to suit our purposes.

被引用 4 次 - 相關文章 - 圖書館搜尋

[書籍] Optimale Investitionsentscheidungen mit neuronalen Netzen
R Neuneier - 1998 - books.google.com
Abstrakt Die vorliegende Arbeit untersucht die Einsatzmöglichkeiten Neuronaler Netze zur
datengetriebenen Unterstützung von Investitionsentscheidungen. Dazu werden zwei
Problemstellungen der Finanzanalyse im Detail analysiert, die sich in der Risikoaversion ...
被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 2 個版本

[書籍] Non-linear models for time series using mixtures of experts   132.68.238.97 提供的 [PS]
AJ Zeevi, R Meir, RJ Adler… - 1996 - 132.68.238.97
Abstract We consider a novel non-linear model for time series analysis. The study of this
model emphasizes both theoretical aspects as well as practical applicability. The
architecture of the model is demonstrated to be su ciently rich, in the sense of ...
被引用 2 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 4 個版本

**11. Robust principal component analysis by self-organizing rules based on statistical physics
approach**   cuhk.hk 提供的 **[PDF]**
L Xu… - Neural Networks, IEEE Transactions on, 1995 - ieeexplore.ieee.org
... Robust Principal Component Analysis by Self-organizing Rules Based on Statistical Physics
Approach Lei Xu, Senior Member, IEEE, and Alan L. Yuille, Member, IEEE Abstract-This paper
applies statistical physics to the problem of robust principal component analysis (PCA). ...
被引用 158 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本

Cited by 5 books

 [書籍] Principal component analysis   tiera.ru 提供的 [PDF]
IT Jolliffe… - 2002 - Wiley Online Library
Large datasets often include measurements on many variables. It may be possible to reduce
the number of variables considerably while still retaining much of the information in the
original dataset. A number of dimension-reducing techniques exist for doing this, and ...
被引用 13215 次 - 相關文章 - 圖書館搜尋 - 全部共 17 個版本

[書籍] Neural Networks and Intellect: using model based concepts   psychmsu.ru 提供的 [PDF]
LI Perlovsky - 2001 - psychmsu.ru
This book describes a new mathematical concept called modeling field theory; demonstrates
applications of neural networks based on this theory to a variety of problems; and analyzes
relationships among mathematics, computational concepts in neural networks, and ...
被引用 238 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 9 個版本

[書籍] Neural networks in a softcomputing framework   uwindsor.ca 提供的 [PDF]
KL Du, MNS Swamy… - 2006 - cronus.uwindsor.ca
In this chapter, we first briefly go through the history of neural-network research. We then
describe the conventional McCulloch–Pitts neuron and its analog VLSI implementation,
structures of neural networks as well as various learning paradigms. Properties of neural ...
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[書籍] Level set based segmentation and tracking of multiple objects   inria.fr 提供的 [PDF]
M Fussenegger - 2006 - ftp-sop.inria.fr
Abstract Interpreting single images or image sequences of a real world scene is an
important and very complex topic in computer vision. In this work, we build a framework
based on variational methods and level set representations of objects to segment them in ...
相關文章 - HTML 版 - 全部共 3 個版本

12. A new curve detection method: randomized Hough transform (RHT)   **cuhk.hk 提供的** [PDF]

L Xu, E Oja… - Pattern Recognition Letters, 1990 - Elsevier
... Pattern Recognition Letters 11 (1990) 331-338 May 1990 North-Holland A new curve detection
method: Randomized Hough Transform (RHT) Lei XU*, Erkki OJA and Pekka KULTANEN
Lappeenranta University of Technology, Department of Information ... [5] Xu, L. and E. Oja ...
被引用 601 次 - 相關文章 - 全部共 8 個版本

[書籍] Feature detection algorithms in computed images   **gatech.edu 提供的** [PDF]
AC Gurbuz - 2008 - books.google.com
A second objective in remote sensing is information retrieval which involves searching for
important features in the computed image. In this thesis we focus on detecting buried
structures like pipes, and tunnels in computed GPR or seismic images. The problem of ...
被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Système d'identification de personnes par vision numérique   **ulaval.ca 提供的** [PDF]
A Lemieux… - 2003 - vision.gel.ulaval.ca
Résumé Ces travaux de recherche présentent l'intégration complete d'un systeme d'identification de
personnes par vision numérique. Conçu pour opérer dans un contexte de surveillance, le systeme a pour ...
被引用 9 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 4 個版本

[書籍] Multiple motion analysis using 3d orientation steerable filters   **yale.edu 提供的** [PDF]
W Yu, G Sommer… - 2000 - noodle.med.yale.edu
Abstract In this paper, we address multiple motion analysis from the standpoint of orientation
analysis. Using the fact that multiple motions are equivalent to multiple planes in the
derivative space or in the spectral domain, we apply a new kind of 3D steerable filter in ...
相關文章 - HTML 版 - 圖書館搜尋 - 全部共 7 個版本

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16. [PDF] Randomized Hough transform (RHT): basic mechanisms, algorithms, and computational complexities   geocities.ws 提供的 **[PDF]**
L Xu, E Oja - CVGIP Image Understanding, 1993 - geocities.ws
... 131-154, 1993 Randomized Hough Transform (RHT): Basic Mechanisms, Algorithms, and
Computational Complexities* Lei Xut Lappeenranta University of ... 138 XU AND OJA FIG. ... space
under the parameterization a¡x + a2y = 1: (a) An image which contains two lines L¡ and L2 ...
被引用 426 次 - 相關文章 - 全部共 17 個版本

[書籍] Advances in imaging and electron physics
PW Hawkes - 2004 - books.google.com
* A special volume devoted principally to therole of the late Sir Charles Oatley in the
development of the scanning electron microscopeings* It contains historical articles and
reminiscences by most of the scientists who have worked on the scanning electron ...
被引用 22 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Feature detection algorithms in computed images   **gatech.edu 提供的** [PDF]
AC Gurbuz - 2008 - books.google.com

A second objective in remote sensing is information retrieval which involves searching for important features in the computed image. In this thesis we focus on detecting buried structures like pipes, and tunnels in computed GPR or seismic images. The problem of ...
被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Système d'identification de personnes par vision numérique ulaval.ca 提供的 [PDF]
A Lemieux… - 2003 - vision.gel.ulaval.ca
Résumé Ces travaux de recherche présentent l'intégration complete d'un systeme d'identification de personnes par vision numérique. Conçu pour opérer dans un contexte de surveillance, le systeme a pour tâche d'identifier les personnes circulant dans une zone d' ...
被引用 9 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 4 個版本

[書籍] Marswalk One: first steps on a new planet
D Shayler, A Salmon… - 2005 - books.google.com
MARSWALK ONE: First Steps on a New Planet addresses the question of why we should embark on a journey to Mars, documenting what the first human crew will do when they place their feet in the red dust of the planet. The book also addresses why we need to ...
被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Discrete Line and Circles: Application to Pattern Recognition us.es 提供的 [PDF]
J Lopez-Krahe, T Alamo-Cantarero… - 1994 - esi2.us.es
Abstract The discrete nature of the image does not make the use of continuous hypothesis in pattern recognition suitable. In this article, a new discrete parametrizations of the circle is presented. In order to improve several drawbacks of the continuous hypothesis, the ...
相關文章 - 圖書館搜尋 - 全部共 2 個版本

15. [PDF] Learned parametric mixture based ICA algorithm psu.edu 提供的 [PDF]
L Xu, C Chiu Cheung… - Neurocomputing, 1998 - Citeseer
... of bell-shape density distribution functions, Research Proposal, Presented at FRONTIER FORUM (speakers: D. Sherrington, S. Tanaka, L. Xu, JF Cardoso ... Lei Xu (Ph.D., IEEE Senior member) is currently a professor of the Deptartment of Computer Science and Engineering at ...
被引用 70 次 - 相關文章 - HTML 版 - 全部共 14 個版本

Cited by 2 books

[書籍] Independent component analysis
A Hyvärinen, J Karhunen… - 2001 - books.google.com
A comprehensive introduction to ICA for students and practitioners< br> Independent Component Analysis (ICA) is one of the most exciting new topics in fields such as neural networks, advanced statistics, and signal processing. This is the first book to provide a ...
被引用 6835 次 - 相關文章 - 圖書館搜尋 - 全部共 15 個版本

[書籍] Continuous latent variable models for dimensionality reduction and sequential data reconstruction
MA Carreira-Perpinan - 2001 - cs.toronto.edu toronto.edu 提供的 [PDF]
Abstract Continuous latent variable models (cLVMs) are probabilistic models that represent a distribution in a high-dimensional Euclidean space using a small number of continuous, latent variables. This thesis explores, theoretically and practically, the ability of cLVMs for ...
被引用 71 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 16 個版本

16. **[BYY harmony learning, structural RPCL, and topological self-organizing on mixture models](#)**

L Xu - Neural Networks, 2002 - Elsevier

... Jordan and Xu, 1995. MI Jordan and L. Xu , Convergence results for the EM approach to mixtures of experts. Neural Networks 8 (1995), pp. 1409–1431. Article | PDF (1480 K) | View Record in Scopus | Cited By in Scopus (79). Karhunen and Joutsensalo, 1994. ...

被引用 92 次 - 相關文章 - 全部共 19 個版本

Cited by 3 books

[書籍] Clustering

R Xu… - 2009 - dl.acm.org

Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...

被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

[書籍] Information theory in computer vision and pattern recognition

F Escolano, P Suau… - 2009 - books.google.com

Information theory has proved to be effective for solving many computer vision and pattern recognition (CVPR) problems (such as image matching, clustering and segmentation, saliency detection, feature selection, optimal classifier design and many others). ...

被引用 17 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本

[書籍] Design and analysis of learning classifier systems: A probabilistic approach

J Drugowitsch - 2008 - books.google.com

This book provides a comprehensive introduction to the design and analysis of Learning Classifier Systems (LCS) from the perspective of machine learning. LCS are a family of methods for handling unsupervised learning, supervised learning and sequential decision ...

被引用 16 次 - 相關文章 - 圖書館搜尋 - 全部共 4 個版本

---

17. **[PDF] [Randomized Hough transform (RHT): basic mechanisms, algorithms, and computational complexities](#)**

L Xu, E Oja - CVGIP Image Understanding, 1993 - geocities.ws

... 131-154, 1993 Randomized Hough Transform (RHT): Basic Mechanisms, Algorithms, and Computational Complexities* Lei Xut Lappeenranta University of ... 138 XU AND OJA FIG. ... space under the parameterization a¡x + a2y = 1: (a) An image which contains two lines L¡ and L2 ...

被引用 426 次 - 相關文章 - 全部共 17 個版本

Cited by 5 books

[書籍] Advances in imaging and electron physics

PW Hawkes - 2004 - books.google.com

* A special volume devoted principally to therole of the late Sir Charles Oatley in the development of the scanning electron microscopeings* It contains historical articles and reminiscences by most of the scientists who have worked on the scanning electron ...

被引用 22 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Feature detection algorithms in computed images

AC Gurbuz - 2008 - books.google.com

A second objective in remote sensing is information retrieval which involves searching for important features in the computed image. In this thesis we focus on detecting buried structures like pipes, and tunnels in computed GPR or seismic images. The problem of ...
被引用 5 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Système d'identification de personnes par vision numérique   ulaval.ca 提供的 [PDF]
A Lemieux… - 2003 - vision.gel.ulaval.ca
Résumé Ces travaux de recherche présentent l'intégration complete d'un systeme d'identification de personnes par vision numérique. Conçu pour opérer dans un contexte de surveillance, le systeme a pour tâche d'identifier les personnes circulant dans une zone d' ...
被引用 9 次 - 相關文章 - HTML 版 - 圖書館搜尋 - 全部共 4 個版本

[書籍] Marswalk One: first steps on a new planet
D Shayler, A Salmon… - 2005 - books.google.com
MARSWALK ONE: First Steps on a New Planet addresses the question of why we should embark on a journey to Mars, documenting what the first human crew will do when they place their feet in the red dust of the planet. The book also addresses why we need to ...
被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

[書籍] Discrete Line and Circles: Application to Pattern Recognition   us.es 提供的 [PDF]
J Lopez-Krahe, T Alamo-Cantarero… - 1994 - esi2.us.es
Abstract The discrete nature of the image does not make the use of continuous hypothesis in pattern recognition suitable. In this article, a new discrete parametrizations of the circle is presented. In order to improve several drawbacks of the continuous hypothesis, the ...
相關文章 - 圖書館搜尋 - 全部共 2 個版本

---

18. Improved simulated annealing, Boltzmann machine, and attributed graph matching
L Xu, E Oja - Neural Networks, 1990 - Springer
Page 1. IMPROVED SIMULATED ANNEALING, BOLTZMANN MACHINE, AND ATTRIBUTED GRAPH MATCHING t Lei Xu tt and Erkki Oja ... Vol. C-34, No.3, 1985, pp197-203. [14] L.Xu and E.Oja, "Neural Networks for Attributed Graph Matching in Machine Vi- sion", Tech. ...
被引用 26 次 - 相關文章 - 全部共 3 個版本

Cited by 2 books

[書籍] Bridging the gap between graph edit distance and kernel machines
M Neuhaus… - 2007 - books.google.com
In graph-based structural pattern recognition, the idea is to transform patterns into graphs and perform the analysis and recognition of patterns in the graph domain-commonly referred to as graph matching. A large number of methods for graph matching have been proposed ...
被引用 45 次 - 相關文章 - 圖書館搜尋 - 全部共 6 個版本

[書籍] The structurally Optimal Dual Graph Pyramid and its application in image partitioning
Y Haxhimusa - 2006 - books.google.com
Die Dissertation von Dr. Yll Haxhimusa setzt die Forschungen mit Bildpyramiden auf der Basis von Graphenstrukturen fort. Die Grundidee einer Bildpyramide ist die schrittweise Reduktion der Information eines digitalen Bildes um einen konstanten Faktor und die ...
被引用 3 次 - 相關文章 - 圖書館搜尋 - 全部共 8 個版本

19. [PDF] Best Harmony, Unified RPCL and Automated Model Selection for Unsupervised and Supervised Learning on Gaussian Mixtures, Three-Layer Nets and ME- …   **cuhk.hk**
提供的 [PDF]

L Xu - International Journal of Neural Systems, 2001 - cs.cuhk.hk

... Model Selection for Unsupervised and Supervised Learning on Gaussian Mixtures, Three-Layer Nets and ME-RBF-SVM Models * Lei Xu Department of Computer Science and Engineering, Chinese University of Hong Kong Shatin, NT, Hong Kong, PR China, E-mail: l:vu@cse ...

被引用 72 次 - 相關文章 - 全部共 10 個版本

Cited by 1 book

[書籍] Clustering

R Xu… - 2009 - dl.acm.org

Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...

被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

---

20. **Rival penalized competitive learning, finite mixture, and multisets clustering**

cuhk.hk 提供的 **[PDF]**

L Xu - Neural Networks Proceedings, 1998. IEEE World …, 1998 - ieeexplore.ieee.org

Page 1. Rival Penalized Competitive Learning, Finite Mixture, and Multisets Clustering Lei Xu Computer Science and Engineering Department The Chinese University of Hong Kong, Shatin, NT, Hong Kong, PRChina ... [ll] Xu, L., Krfzyzak, A. and Oja, E.(1993), " Rival Pe- nalized ...

被引用 59 次 - 相關文章 - 全部共 5 個版本

Cited by 1 book

[書籍] Clustering

R Xu… - 2009 - dl.acm.org

Abstract This is the first book to take a truly comprehensive look at clustering. It begins with an introduction to cluster analysis and goes on to explore: proximity measures; hierarchical clustering; partition clustering; neural network-based clustering; kernel-based clustering; ...

被引用 183 次 - 相關文章 - 圖書館搜尋 - 全部共 7 個版本

---

19. **Temporal BYY learning for state space approach, hidden Markov model, and blind source separation**

psu.edu 提供的 **[PDF]**

L Xu - Signal Processing, IEEE Transactions on, 2000 - ieeexplore.ieee.org

... Hidden Markov Model, and Blind Source Separation Lei Xu, Senior Member, IEEE ... Yu-Hen Hu. The author is with the Department of Computer Science and Engi- neering, Chinese University of Hong Kong, Shatin, NT, Hong Kong (e-mail: lxu@cse.cuhk.edu.hk). ...

被引用 66 次 - 相關文章 - 全部共 18 個版本

Cited by 1 book

[書籍] Independent component analysis

A Hyvärinen, J Karhunen… - 2001 - books.google.com
A comprehensive introduction to ICA for students and practitioners< br> Independent
Component Analysis (ICA) is one of the most exciting new topics in fields such as neural
networks, advanced statistics, and signal processing. This is the first book to provide a ...
被引用 6835 次 - 相關文章 - 圖書館搜尋 - 全部共 15 個版本

---

20.   [PDF] Bayesian kullback ying-yang dependence reduction theory   cuhk.hk 提供的 **[PDF]**
L Xu - Neurocomputing, 1998 - cs.cuhk.hk
Page 1. *E-mail: lxu@cse.cuhk.edu.hk Neurocomputing 22 (1998) 81—111 Bayesian Kullback
Ying—Yang dependence reduction theory Lei Xu* Department of Computer Science and
Engineering, The Chinese University of Hong Kong, Shatin, NT, Hong Kong ...
被引用 33 次 - 相關文章 - HTML 版 - 全部共 13 個版本

---

21. [PDF] Bayesian Ying-Yang system and theory as a unified statistical learning approach:(I) Unsupervised and semi-unsupervised learning   psu.edu 提供的 **[PDF]**
L Xu - Brain-like computing and intelligent information …, 1997 - Citeseer
... for Unsupervised and Semi-Unsupervised Learning Lei Xu Department of Computer Science
and Engineering The Chinese University of Hong Kong, Shatin, NT, Hong Kong, China Fax 852
2603 5024, Email lxu@cs.cuhk.hk, http://www.cse.cuhk.edu.hk/~lxu/ ...
被引用 28 次 - 相關文章 - HTML 版 - 全部共 11 個版本

[書籍] Computational ecology: artificial neural networks and their applications
W Zhang - 2010 - books.google.com
Due to the complexity and non-linearity of most ecological problems, artificial neural
networks (ANNs) have attracted attention from ecologists and environmental scientists in
recent years. As these networks are increasingly being used in ecology for modeling, ...
被引用 6 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

---

22.   [PDF] Neural nets for dual subspace pattern recognition method.
cuhk.edu.hk 提供的 **[PDF]**
L Xu, A Krzyzak… - International Journal of Neural Systems, 1991 - cse.cuhk.edu.hk
... Page 8. 176 Lei Xu et al. ... Another version of ASGA with less explicit normalization was
recently proposed by Oja,4 given by: Am» = -a2Xk(a>x)[y<jk\xU-l) - yf mf >) + mf>(l - limali2)]
(lib) where x(-° is given by the following Eq. (lie) instead of Eq. ...

[書籍] Neural Based Orthogonal Data Fitting: The EXIN Neural Networks
G Cirrincione… - 2010 - books.google.com
< p> The presentation of a novel theory in orthogonal regression< p> The literature about
neural-based algorithms is often dedicated to principal component analysis (PCA) and
considers minor component analysis (MCA) a mere consequence. Breaking the mold, ...

---

23. Associative switch for combining multiple classifiers
L Xu, A Krzyzak… - Neural Networks, 1991., IJCNN-91 …, 1991 - ieeexplore.ieee.org
... Lei Xut, Adam Krzyzak, Ching Y. Suen Centre for Pattern Recognition & Machine Intelligence
Concordia Univ. ... [2] L. Xu, A. Krzyzak and CYSuen," Methods of combining multiple classifiers
and their applica- tions to handwriting recognition", Research Report, Dept. ...

[書籍] Neural network systems, techniques and applications in pattern recognition   **psu.edu 提供的** [PDF]
J Lampinen, J Laaksonen… - 1997 - Citeseer
Pattern recognition (PR) is the science and art of giving names to the natural objects in the
real world. It is often considered part of arti cial intelligence. However, the problem here is
even more challenging because the observations are not in symbolic form and often ...

---

24. [PDF] Localized principal component analysis learning for face feature extraction and recognition
     wits.ac.za 提供的 [PDF]
…, L Xu - Proc. Workshop 3D Computer Vision, 1997 - cs.wits.ac.za
... and Recognition Irwin King king@cse.cuhk.edu.hk Lei Xu lxu@cse.cuhk.edu.hk
Department of Computer Science & Engineering The Chinese University of Hong
Kong Shatin, New Territories, Hong Kong Irwin King and Lei Xu. ...

[書籍] Passive eye monitoring: algorithms, applications and experiments
RI Hammoud - 2008 - books.google.com
This practical reference provides you a comprehensive in-depth coverage of both theory and
practice of cutting-edge Passive Eye (-Gaze) Monitoring technology. It describes and
examines vision algorithms, Human Factors methodologies, and hardware build in eye- ...

25. [HTML] Bayesian Ying Yang learning   scholarpedia.org 提供
的 **[HTML]**
L Xu - Scholarpedia, 2007 - scholarpedia.org
... Bronner. Lei Xu, Dept. Computer Science & Engineering, Chinese University of Hong
Kong. Bayesian ... 87. Jordan, MI & Xu, L (1995), "Convergence results for the EM approach
to mixtures of experts" , Neural Networks 8: 1409-1431. Mackey ...
被引用 15 次 - 相關文章 - 頁庫存檔 - 全部共 5 個版本

[書籍] YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with Applications
in Quantum Computing, Cognitive Informatics and Life Sciences
WR Zhang - 2011 - books.google.com
YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with
Applications in Quantum Computing, Cognitive Informatics and Life Sciences presents real-
world applications of YinYang bipolar relativity that focus on quantum computing and ...
被引用 2 次 - 相關文章 - 圖書館搜尋 - 全部共 3 個版本

---

26. RBF nets, mixture experts, and Bayesian Ying-Yang learning1   **psu.edu 提供的** [PDF]
L Xu - Neurocomputing, 1998 - Elsevier
... estimators, a number of interesting theoretical results have been obtained for the upper bounds
of convergence rate of the approximation error with respect to the number of basis functions,
and the upper bounds for the pointwise convergence rate and L 2 convergence rate of ...
被引用 84 次 - 相關文章 - 全部共 15 個版本

[書籍] Control of complex systems
KJ Åström - 2001 - books.google.com
The world of artificial systems is reaching hitherto undreamed-of levels of complexity.
Surface traffic, electricity distribution, mobile communications, etc., demonstrate that
problems are arising that are beyond classical scientific or engineering knowledge. In ...
被引用 98 次 - 相關文章 - 圖書館搜尋 - 全部共 9 個版本