

Indian Institute of Technology Gandhinagar LIBRARY



New Addition of Books Vol. 9 No. 25, 2016

(Added during 11th July – 15th July, 2016)

Available for issue from 23th July, 2016

Where are these books?

The new arrivals section (books) is available in front of Library entrance gate

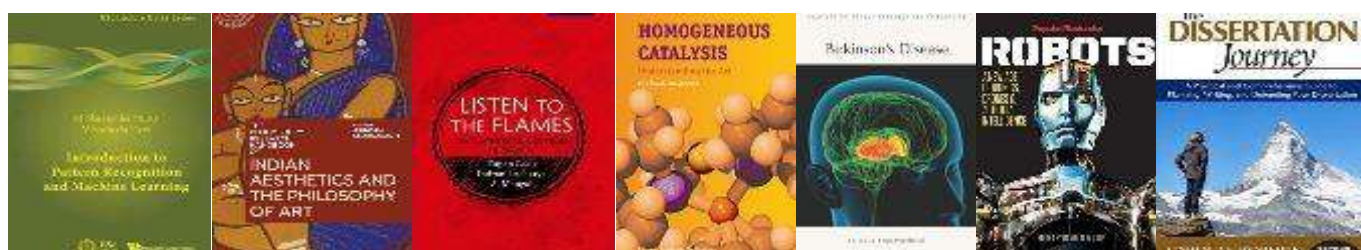
How to reserve these books?

Reserve the books through the Email or fill up the reservation slips that are available at the Circulation Desk

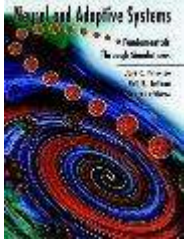
How to suggest the book?

You can suggest the book through the Email or using “book indent form” which is available on the website.

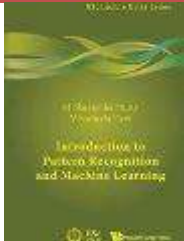
<http://www.iitgn.ac.in/library.htm>



Computer Science

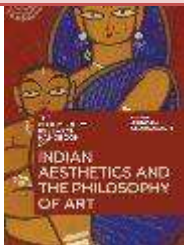


Title: [Neural and adaptive systems: fundamentals through simulations](#)
Author: Principe, Jose C.
Publisher: New York: Wiley, 2000
Call No.: 006.32 PRI
Acc. No.: 023684

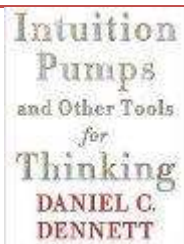


Title: [Introduction to pattern recognition and machine learning](#)
Author: Murty, M. Narasimha
Publisher: New Jersey: World Scientific, 2015
Call No.: 006.4 MUR
Acc. No.: 023689

Philosophy



Title: [Bloomsbury research handbook of Indian aesthetics and the philosophy of art](#)
Author: Chakrabarti, Arindam
Publisher: New York: Bloomsbury, 2016
Call No.: 111.850954 CHA
Acc. No.: 023681



Title: [Intuition pumps and other tools for thinking](#)
Author: Dennett, Daniel C.
Publisher: New York: W.W. Norton & Company, 2013
Call No.: 121.6 DEN
Acc. No.: 023679

Sociology



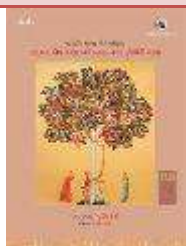
Title: [Listen to the flames: texts and readings from the margin](#)
Author: Basu, Tapan
Publisher: New Delhi: Oxford University Press, 2016
Call No.: 301.3654 BAS
Acc. No.: 023672

Education



Title: [Improving schools in difficulty](#)
Author: Clarke, Paul
Publisher: London: Continuum, 2005
Call No.: 371.207 CLA
Acc. No.: 023680

Language



Title: [Bharatiya Bhasha Lok Sarvekshan : Gujarat, Diu-Daman ane Dadra Nagar Havelini Bhasha, Vol. 9, Part 3](#)

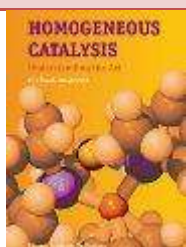
Author: Devy, Ganesh

Publisher: Chennai: Orient BlackSwan, 2016

Call No.: 427.954 DEV

Acc. No.: 023677

Chemistry



Title: [Homogeneous catalysis: understanding the art](#)

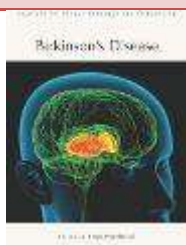
Author: Leeuwen, Piet W.N.M. Van

Publisher: Boston: Kluwer Academic Publishers, 2004

Call No.: 541.395 LEE

Acc. No.: 023688

Medicine & health



Title: [Parkinson's disease](#)

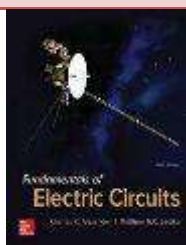
Author: Przedborski, Serge

Publisher: New York: Cold Spring Harbor Laboratory Press, 2012

Call No.: 616.833 PRZ

Acc. No.: 023687

Engineering



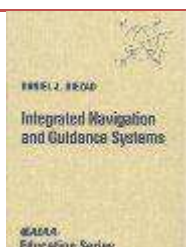
Title: [Fundamentals of electric circuits](#)

Author: Alexander, Charles

Publisher: New York: McGraw-hill Education, 2017

Call No.: 621.31924 ALE

Acc. No.: 023678



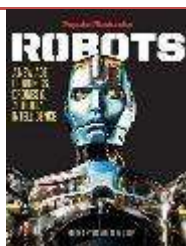
Title: [Integrated navigation and guidance systems](#)

Author: Biezad, D.

Publisher: Reston: American Institute of Aeronautics and Astronautics, 1999

Call No.: 629.13251 BIE

Acc. No.: 023683



Title: [Popular mechanics robots: a new age of bionics, drones and artificial intelligence](#)

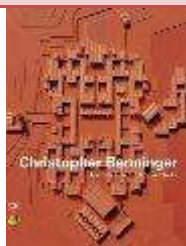
Author: Wilson, Daniel H.

Publisher: New York: Hearst Books, 2015

Call No.: 629.892 WIL

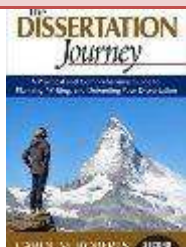
Acc. No.: 023682

Architecture

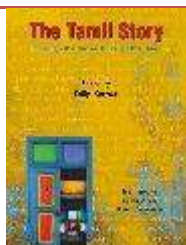


Title: [Christopher Benninger: architecture for modern India](#)
Author: Falvo, Rosa Maria
Publisher: Balewadi: India House Art Gallery, 2015
Call No.: 724.6 FAV
Acc. No.: 023685

Literature

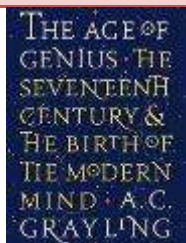


Title: [Dissertation journey: a practical and comprehensive guide to planning writing and defending your dissertation](#)
Author: Roberts, Carol M.
Publisher: California: Corwin, 2010
Call No.: 808.066378 ROB
Acc. No.: 023686



Title: [Tamil story: through the times, through the tides](#)
Author: Kumar, Dilip
Publisher: New Delhi: Tranquebar Press, 2016
Call No.: 894.811301080914 KUM
Acc. No.: 023673

History



Title: [Age of genius: the seventeenth century and the birth of the modern mind](#)
Author: Grayling, A.C.
Publisher: New Delhi: Bloomsbury Publishing, 2016
Call No.: 940.252 GRA
Acc. No.: 023674



Title: [Al-Hind, the making of the Indo-Islamic world. Vol. 1 : Early medieval India and the expansion of Islam, 7th-11th centuries](#)
Author: Wink, Andre
Publisher: Boston: Brill Academic, 1996
Call No.: 954.02 WIN
Acc. No.: 023675



Title: [Al-Hind, the making of the Indo-Islamic world. Vol. 2 : slave kings and the Islamic conquest, 11th-13th centuries](#)
Author: Wink, Andre
Publisher: Boston: Brill Academic, 1997
Call No.: 954.02 WIN
Acc. No.: 023676

The text is suitable for senior/graduate courses in neural networks and adaptive filters. It offers over 200 fully functional simulations (with instructions) to demonstrate and reinforce key concepts and help the reader develop an intuition about the behavior of adaptive systems with real data. This creates a powerful self-learning environment highly suitable for the professional audience. It offers over 200 fully functional simulations (with instructions) to demonstrate and reinforce key concepts and help the reader develop an intuition about the behavior of adaptive systems with real data. This creates a powerful self-learning environment highly suitable for the professional audience. Neural and Adaptive Systems: Fundamentals Through Simulation. © Jose C. Principe Neil R. Euliano W. Curt Lefebvre. by. Copyright 1997 Principe. The goal of this chapter is to introduce the concepts of Hebbian learning and its multiple applications. We will show that the rule is unstable but through normalization is very useful. neurons are equivalent to PEs, and PEs are connected through weights. Hence, Hebb's principle will increase the common weight w_{ij} when there is activity flowing from the j th PE to the i th PE. If we denote the output to the i th PE by y_i and the activation of the j th PE by x_j , then, $\hat{w}_{ij} = \hat{\eta} x_j y_i$. Equation 1. where $\hat{\eta}$ is our already known step size which controls what percentage of the product is effectively used to change the weight. Main IEEE Transactions on Neural Networks Neural and Adaptive Systems: Fundamentals Through Simulations. IEEE Transactions on Neural Networks 2001 / 05 Vol. 12; Iss. 3. Neural and Adaptive Systems: Fundamentals Through Simulations. Chen, K., Kvasnicka, V., Kanen, P.C., Haykin, S. Volume The simulations are based on NeuroSolutions, a versatile neural network simulator developed by Neuro-Dimension, and which is included in the CD-ROM accompanying the book. The book covers a total of 11 chapters, and three appendixes. According to this reviewer, the chapters may be grouped as follows: Chapters 1 and 2 are introductory, covering basic concepts dealing with the use of linear models for data fitting and the pattern-recognition problem.

Simulations. Read more. Complex and adaptive dynamical systems. A primer. Read more. Neural-Based Orthogonal Data Fitting: The EXIN Neural Networks (Adaptive and Learning Systems for Signal Processing, Communications and Control Series). Read more. Adaptive processes in economic systems. Read more. Control and Dynamic Systems (Neural Network Systems Techniques and Applications). Read more. Complex and Adaptive Dynamical Systems: A Primer. Read more. Intelligent and Adaptive Systems in Medicine. Read more. Adaptive Array Systems Adaptive Array Systems Fundamentals and Applications B. Allen and M. Ghavami Both of Centre f Adaptable and Adaptive Hypermedia Systems. Chen, Sherry Y.(Editor). J. C. Principe, N. R. Euliano and W. C. Lefebvre, "Neural and Adaptive Systems: Fundamentals through Simulations," John Wiley & Sons Inc., Hoboken, 2000. has been cited by the following article: In this study, the predictive performance of two Artificial Neural Networks (ANNs), namely Radial Basis Function (RBF) and Multi-Layer Perceptron (MLP) were compared. Time series data of daily suspended sediment discharge and water discharge at the Langat River, Malaysia were used for training and testing the networks. Experimental Study of the Phase Equilibria in the R-Al-Si Ternary Systems (R: Rare Earth Element) the Ho-Al-Si Isothermal Section at 500°C. The text is suitable for senior/graduate courses in neural networks and adaptive filters. It offers over 200 fully functional simulations (with instructions) to demonstrate and reinforce key concepts and help the reader develop an intuition about the behavior of adaptive systems with real data. This creates a powerful self-learning environment highly suitable for the professional audience. It offers over 200 fully functional simulations (with instructions) to demonstrate and reinforce key concepts and help the reader develop an intuition about the behavior of adaptive systems with real data. This creates a powerful self-learning environment highly suitable for the professional audience. algorithm locality and distributed systems. system identification versus modeling. good initial weight values. Minskowski measures. Chapter IV - Designing and Training MLPs. Version 3.0 This Chapter is Part of: Neural and Adaptive Systems: Fundamentals Through Simulation © by. Jose C. Principe Neil R. Euliano W. Curt Lefebvre Copyright 1997 Principe. In this Chapter, we will address the more practical aspects of using MLPs, which include