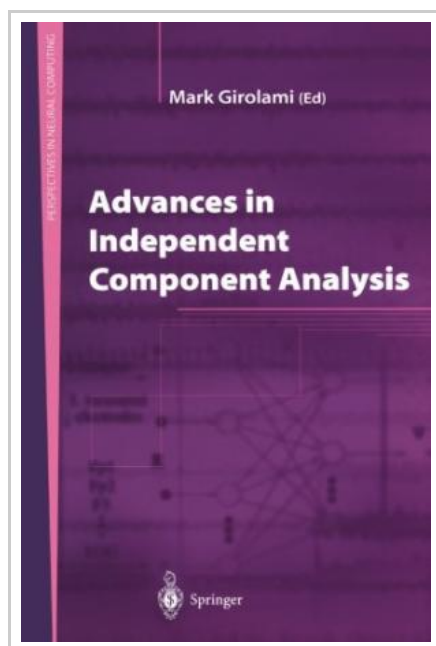




Advances in Independent Component Analysis

By Girolami, M.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Independent Component Analysis (ICA) is a fast developing area of intense research interest. Following on from Self-Organising Neural Networks: Independent Component Analysis and Blind Signal Separation, this book reviews the significant developments of the past year. It covers topics such as the use of hidden Markov methods, the independence assumption, and topographic ICA, and includes tutorial chapters on Bayesian and variational approaches. It also provides the latest approaches to ICA problems, including an investigation into certain "hard problems" for the very first time. Comprising contributions from the most respected and innovative researchers in the field, this volume will be of interest to students and researchers in computer science and electrical engineering; research and development personnel in disciplines such as statistical modelling and data analysis; bio-informatic workers; and physicists and chemists requiring novel data analysis methods. | –I Temporal ICA Models.- 1 Hidden Markov Independent Component Analysis.- 1.1 Introduction.- 1.2 Hidden Markov Models.- 1.3 Independent Component Analysis.- 1.3.1 Generalised Exponential Sources.- 1.3.2 Generalised Autoregressive Sources.- 1.4 Hidden Markov ICA.- 1.4.1 Generalised Exponential Sources.- 1.4.2 Generalised Autoregressive Sources.- 1.5 Practical Issues.- 1.5.1 Initialisation.- 1.5.2 Learning.- 1.5.3 Model Order Selection.- 1.6 Results.- 1.6.1 Multiple Sinewave Sources.- 1.6.2 Same...



READ ONLINE
[6.16 MB]

Reviews

This publication could be worth a read through, and far better than other. This is certainly for all those who statte there was not a worth reading through. You may like just how the author compose this publication.

-- **Dr. Kayley Kovacek PhD**

Very useful to all of class of people. It is really simplified but unexpected situations within the 50 % in the ebook. I am delighted to let you know that this is actually the best book i have read in my personal daily life and can be he finest ebook for at any time.

-- **Gwen Schultz**