

Cambridge University Press

978-0-521-79298-1 - Independent Component Analysis: Principles and Practice

Edited by Stephen Roberts and Richard Everson

Table of Contents

[More information](#)

Contents

<i>Preface</i>	<i>page</i> vii
<i>Contributors</i>	xi
1 Introduction <i>S.J. Roberts & R.M. Everson</i>	1
2 Fast ICA by a fixed-point algorithm that maximizes non-Gaussianity <i>Aapo Hyvärinen</i>	71
3 ICA, graphical models and variational methods <i>H. Attias</i>	95
4 Nonlinear ICA <i>J. Karhunen</i>	113
5 Separation of non-stationary natural signals <i>Lucas C. Parra & Clay D. Spence</i>	135
6 Separation of non-stationary sources: algorithms and performance <i>Jean-François Cardoso & Dinh-Tuan Pham</i>	158
7 Blind source separation by sparse decomposition in a signal dictionary <i>M. Zibulevsky, B.A. Pearlmutter, P. Bofill & P. Kisilev</i>	181
8 Ensemble Learning for blind source separation <i>J.W. Miskin & D.J.C. MacKay</i>	209
9 Image processing methods using ICA mixture models <i>T.-W. Lee & M.S. Lewicki</i>	234
10 Latent class and trait models for data classification and visualisation <i>M.A. Girolami</i>	254
11 Particle filters for non-stationary ICA <i>R.M. Everson & S.J. Roberts</i>	280
12 ICA: model order selection and dynamic source models <i>W.D. Penny, S.J. Roberts & R.M. Everson</i>	299
<i>References</i>	315
<i>Index</i>	336