

**RÉFÉRENCES BIBLIOGRAPHIQUES**

[Akaike 74]

H. AKAIKE

*"A new look at the statistical model identification"*

IEEE Transactions on Automatic Control, Vol. 19, pp. 716-723, 1974

[Altman 93]

E.I. ALTMAN

*"Corporate Financial Distress and Bankruptcy"*

John Wiley, 1993

[Antoniadis 92]

A. ANTONIADIS, J. BERRUYER & R. CARMONA

*"Régression non linéaire et applications"*

Collection "Economie et statistiques avancées", Economica, 1992

[Bellman 61]

R.E. BELLMAN

*"Adaptive Control Processes : A Guided Tour"*

Princeton University Press, New Jersey, 1961

[Bishop 95]

C.M. BISHOP

*"Neural Networks for Pattern Recognition"*

Clarendon Press, Oxford, 1995

[Björck 67]

A. BJÖRCK

*"Solving linear least squares problems by Gram-Schmidt orthogonalization"*

Nordisk Tidskrift for Informationsbehandling, Vol. 7, pp. 1-21, 1967

[Bouinot 77]

J. BOUINOT

*"La nouvelle gestion municipale : Comptabilité et management d'une commune"*

Éditions Cujas, Paris, 1977

[Bourlard 93]

H. BOURLARD & N. MORGAN

*"Connectionist Speech Recognition : A Hybrid Approach"*

Kluwer Academic Publishers, Boston, 1993

[Broyden 70]

C.G. BROYDEN

*"The convergence of a class of double-rank minimization algorithms 2 : the new algorithm"*

Journal Institute of Mathematics and its Applications 6, pp. 222-231, 1970

[Caraux 96]

G. CARAUX & Y. LECHEVALLIER

*"Règles de décision de Bayes et méthodes statistiques de discrimination"*

Revue d'intelligence artificielle, Vol. 10, n°2-3, pp. 219-283, 1996

[Cetin 91]

B.C. CETIN, J. BARHEN & J.W. BURDICK

*"Terminal Repeller Unconstrained Subenergy Tunnelling (TRUST) for Fast Global Optimization"*

Journal of Optimization Theory and Applications, vol. 77, n°1, pp. 97-126, 1991

[Chen 89]

S. CHEN, S.A. BILLINGS & W. LUO

*"Orthogonal least squares methods and their application to non-linear system identification"*

International Journal of Control, Vol. 50, n°5, pp. 1873-1896, 1989

[Cibas 96]

T. CIBAS, F. FOGELMAN SOULIÉ, P. GALLINARI & S. RAUDYS

*"Variable selection with neural networks"*

Neurocomputing, Vol. 12, pp. 223-248, 1996

[Cybenko 89]

G. CYBENKO

*"Approximation by superpositions of a sigmoidal function"*

Mathematics of Control, Signals and Systems, Vol. 2, pp. 303-314, 1989

[Dreyfus 97]

G. DREYFUS, L. PERSONNAZ, G. TOULOUSE

*"Perceptrons, Past and Present"*

Enciclopedia Italiana, in press.

[Duda 73]

R.O. DUDA & P.E. HART

*"Pattern classification and scene analysis"*

John Wiley, 1973

[Duprat 97]

A. F. DUPRAT, T. HUYNH & G. DREYFUS

*"Parsimonious, Accurate Neural Network Prediction of LogP"*

J. Chem. Inf. Comput. Sci., soumis pour publication, 1997

[Fisher 36]

R.A. FISHER

*"The use of multiple measurements in taxonomic problems"*

Annals of Eugenics 7, pp. 179-188, Reprinted in Contributions to Mathematical Statistics, John Wiley, New-York, 1950

[Fletcher 70]

R. FLETCHER

*"A new approach to variable metric algorithms"*

The Computer Journal, Vol. 13, n°3, pp. 317-322, 1970

[Fourdrinier 94]

D. FOURDRINIER & M.T. WELLS

*"Comparaisons de procédures de sélection d'un modèle de régression : une approche décisionnelle"*

C. R. Acad. Sci. Paris, Tome 319, Série I, pp. 865-870, 1994

[Funahashi 89]

K. FUNAHASHI

*"On the approximate realization of continuous mappings by neural networks"*

Neural Networks, Vol. 2, pp. 183-192, 1989

[Gallinari 91]

P. GALLINARI, S. THIRIA, F. BADRAN & F. FOGELMAN-SOULIE

*"On the relations between discriminant analysis and multi-layer perceptrons"*

Neural Networks 4, pp. 349-360, 1991

[Goldfarb 70]

D. GOLDFARB

*"A family of variable metric methods derived by variational means"*

Mathematics of Computation, Vol. 24, pp. 23-26, 1970

[Goodwin 77]

G.C. GOODWIN & R.L. PAYNE

*"Dynamic System Identification : Experiment Design and Data Analysis"*

Mathematics in Science and Engineering, Vol. 136, Academic Press, 1977

[Grais 92]

B. GRAIS

*"Méthodes statistiques"*

Ed. Dunod, Paris, 1992

[Grémillet 73]

A. GREMILLET

*"Les ratios et leur utilisation"*

Les éditions d'organisation, Paris, 1973

[Hassibi 93]

B. HASSIBI & D.G. STORK

*"Second order derivatives for network pruning : optimal brain surgeon"*

Advances in Neural Information Processing Systems, Vol. 5, pp. 164-171, San Mateo, CA : Morgan Kaufmann, 1993

[Hornik 94]

K. HORNIK, M. STINCHCOMBE, H. WHITE & P. AUER

*"Degree of approximation results for feedforward networks approximating unknown mappings and their derivatives"*

Neural Computation, Vol. 6, n°6, pp. 1262-1275, 1994

[Kerviler 92]

I. de KERVILER

*"La comptabilité analytique de la commune"*

Éditions du Moniteur, Paris, 1992

[Klopfner 93]

M. KLOPFER

*"La guide de la gestion financière : Endettement, trésorerie et solvabilité des collectivités locales"*

Éditions Le Moniteur, Paris, 1993

[Knerr 92]

S. KNERR

*"Réseaux de neurones pour la classification automatique ; application à la reconnaissance de chiffres manuscrits"*

Thèse de doctorat de l'Université Pierre et Marie Curie - Paris VI, 1992

[Koroliouk 83]

V. KOROLIOUK, N. PORTENKO, A. SKOROKHOD & A. TOURBINE

*"Aide-mémoire de théorie des probabilités et de statistique mathématique"*

Editions Mir, Moscou, 1983

[Lagarde 83]

J. de LARGARDE

*"Initiation à l'analyse des données"*

Ed. Dunod, Paris, 1983

[Le Cun 90]

Y. LE CUN, J.S. DENKER & S.A. SOLLA

*"Optimal brain damage"*

Advances in Neural Information Processing Systems, Vol. 2, pp. 598-605, San Mateo, CA : Morgan Kaufmann, 1990

[Leontaritis 87]

I.J. LEONTARITIS & S.A. BILLINGS

*"Model selection and validation methods for non-linear systems"*

International Journal of Control, Vol. 45, n°1, pp. 311-341, 1987

[Leray 97]

P. LERAY & P. GALLINARI

*"Report on variable selection"*

Neurosat Project, Environment and Climate, Science Research and Development, Paris, 1997

[Levenberg 44]

K. LEVENBERG

*"A method for the solution of certain non-linear problems in least squares"*

Quartely Journal of Applied Mathematics II (2), pp. 164-168, 1944

[Marquardt 63]

D.W. MARQUARDT

*"An algorithm for least-squares estimation of non-linear parameters"*

Journal of the Society of Industrial and Applied Mathematics 11 (2), pp. 431-441, 1963

[Minoux 83]

M. MINOUX

*"Programmation mathématique, théorie et algorithmes"*

Ed. Dunod, Tome 1, 1983

[Monrocq 94]

C. MONROCQ

*"Approche probabiliste pour l'élaboration et la validation de systèmes de décision : Application aux réseaux de neurones"*

Thèse de l'Université Paris-Dauphine, 1994

[Nash 90]

J.C. NASH

*"Compact Numerical Methods for Computers : linear algebra and function minimisation"*

Ed. Adam Hilger, 1990

[Nerrand 93]

O. NERRAND, P. ROUSEL-RAGOT, L. PERSONNAZ, G. DREYFUS & S. MARCOS  
*"Neural Networks and Non-Linear Adaptive Filtering : Unifying Concepts and New Algorithms"*  
Neural Computation, Vol. 5, n°2, pp. 165-199, 1993

[Nerrand 94]

O. NERRAND, P. ROUSEL-RAGOT, D. URBANI, L. PERSONNAZ & G. DREYFUS  
*"Training Recurrent Neural Networks : Why and How ? An Illustration in Dynamical process Modeling"*  
IEEE Transactions on Neural Networks, Vol. 5, n°2, pp. 178-184, 1994

[Norton 86]

J.P. NORTON  
*"An introduction to Identification"*  
Academic Press Limited, 1986

[Parzen 62]

E. PARZEN  
*"On estimation of a probability density function and mode "*  
Ann. Math. Stat., Vol. 33, pp.1065-1076, 1962

[Powell 76]

M.J.D. POWELL  
*"Some global convergence properties of a variable metric algorithm for minimization without exact line searches"*  
Nonlinear Programming, London, 1986 SIAM-AMS Proceedings 9, R.W. Cottle & C.E. Lemke, Eds. Providence RI, 1976

[Press 92]

W.H. PRESS, S.A. TEUKOLSKY, W.T. VETTERLING & B.P. FLANNERY  
*"Numerical Recipies in C : The Art of Scientific Computing"*  
Second Edition, Cambridge University Press, 1992

[Price 96]

D. PRICE  
*"Classification probabiliste par réseaux de neurones ; application à la reconnaissance de l'écriture manuscrite"*  
Thèse de doctorat de l'Université Pierre et Marie Curie - Paris VI, 1996

[Refregier 90]

P. REFREGIER, A. JAFFRE & F. VALLET  
*"Une approche probabiliste pour les problèmes de discrimination entre plusieurs classes par réseaux neuronaux"*  
Revue Technique Thomson, Vol. 22, Tome 1, pp. 563-571, 1990

[Richard 91]

M.D. RICHARD & R.P. LIPPMANN

*"Neural network classifiers estimate a posteriori probabilities"*

Neural Computation, Vol. 3, pp. 461-483, 1991

[Rivals 95]

I. RIVALS

*"Modélisation et commande de processus par réseaux de neurones ; application au pilotage d'un véhicule autonome"*

Thèse de doctorat de l'Université Pierre et Marie Curie - Paris VI, 1995

[Rojas 96]

R. ROJAS

*"A Short Proof of the Posterior Probability Property of Classifier Neural Networks"*

Neural Computation, Vol. 8, pp. 41-43, 1996

[Rumelhart 86]

D.E. RUMELHART, G.E. HINTON & R.J. WILLIAMS

*"Learning Internal Representations by Error Propagation"*

Parallel Distributed Processing, MIT Press, Cambridge MA, pp. 318-362, 1986

[Saporta 90]

G. SAPORTA

*"Probabilités, analyse des données et statistique"*

Editions Technip, Paris, 1990

[Shanno 70]

D.F. SHANNO

*"Conditioning of quasi-newton methods for function minimization"*

Mathematics of Computation, Vol. 24, pp. 641-656, 1970

[Shibata 76]

R. SHIBATA

Biometrika, Vol. 63, 1976

[Siarry 88]

P. SIARRY & G. DREYFUS

*"La méthode du recuit simulé"*

IDSET, 1988

[Söderström 77]

T. SÖDERSTRÖM

*"On model structure testing in system identification"*

International Journal of Control, Vol. 26, pp. 1-18, 1977

[Solnik 80]

B. SOLNIK

*"Gestion Financière"*

Editions Fernand Nathan, 1980

[Sontag 93]

E.D. SONTAG

*"Neural Networks for Control"*

Essays on Control : Perspectives in the Theory and its Applications, H.C. Trentelman, J.C. Willems, eds. Birkhäuser, 1993

[Urbani 95]

D. URBANI

*"Méthodes statistiques de sélection d'architectures neuronales : application à la conception de modèles dynamiques"*

Thèse de doctorat de l'Université Pierre et Marie Curie - Paris VI, 1995

[Vernimmen 88]

P. VERNIMMEN

*"Finance d'entreprise : analyse et gestion"*

Dalloz, 1988

[Wolfe 69]

P. WOLFE

*"Convergence conditions for ascent methods"*

S.I.A.M. Review 11, pp. 226-235, 1969