

Bibliography

1. Abbott, E.A.: *Flatland: A Romance of Many Dimensions*. Originally printed in 1884.
Available at <http://encyclopediaindex.com/c/flat10a.htm>.
2. Ayres, F.: *Theory and Problems of Matrices*. Schaum Publishing Company, New York, 1962.
3. Basilevsky, A.: *Statistical Factor Analysis and Related Methods*. John Wiley & Sons, New York, 1994.
4. Berndtson, J. and Niemi, A.J.: Automatic observation of the dry line in paper machine. In the *Proceedings of the 13th International Conference on Pattern Recognition*, Vienna, Austria, August 25–29, 1996, Vol. III, pp. 308–312.
5. Bishop, C. M.: *Neural Networks for Pattern Recognition*. Clarendon Press, Oxford, UK, 1995.
6. Buckingham, E.: On physically similar systems; illustrations of the use of dimensional equations. *Phys. Rev.* Vol 4, 1914, pp. 345–376.
7. Cheng B. and Titterington D. M.: *Neural Networks: A review from a statistical perspective*. *Statistical science*, vol. 9, No. 1, 1994, pp. 2–54.
8. Földiák, P.: Forming sparse representations by local anti-Hebbian learning. *Biological Cybernetics*, Vol. 64, No 2, 1990, pp. 165–170.
9. Gevers, M. and Li, G.: *Parametrizations in Control, Estimation and Filtering Problems: Accuracy Aspects*. Springer-Verlag, London, UK, 1993.
10. Glover, K.: *All optimal Hankel-norm approximations of linear multivariable systems and their L^∞ -error bounds*. *International Journal of Control*, Vol. 39, No. 6, pp. 1115–1193, 1984.
11. Golub, G.H. and van Loan, C.F.: *Matrix Computations* (2nd edition). The Johns Hopkins University Press, Baltimore, Maryland, 1989.
12. Goodwin, G.C.: *Some observations on robust estimation and control*. *Proceedings of the 7th IFAC Symp. on Identification and System Parameter Estimation*. Pergamon Press, Oxford, UK, 1985.
13. Haykin, S.: *Neural Networks. A Comprehensive Foundation*. Macmillan, 1994.

14. Hebb, D. *The Organization of Behavior*. Wiley, New York, 1949.
15. Hirsch, M.W. and Smale, S.: *Differential Equations, Dynamical Systems, and Linear Algebra*. Academic Press, San Diego, California, 1974.
16. Hyvärinen, A., Karhunen, J., and Oja, E.: *Independent Component Analysis*. John Wiley & Sons, New York, 2001.
17. Hyvärinen, A., Oja E.: *A fast Fixed-Point Algorithm for Independent Component Analysis*. *Neural Computation*, Vol. 9, 1997.
18. Hyötyniemi, H: *Self-Organizing Maps for Dynamic Systems Modeling and Control*. Helsinki University of Technology, Control Engineering Laboratory, 1994.
19. Hyötyniemi, H: *Information Content Weighting of Algorithms*. Preprints of the 10th IFAC Symposium on System Identification (SYSID'94), Copenhagen, Denmark, July 4–6, 1994, Vol. 3, pp. 417–422.
20. Hyötyniemi, H. and Ylinen, R.: *Improving Robustness of Parameter Estimation*. Proceedings of the First Asian Control Conference (ASCC'94), Tokyo, Japan, July 27–30, 1994, Vol. 1, pp. 415–418.
21. Hyötyniemi, H.: *Regularization of Parameter Estimation*. The 13th IFAC World Congress, July 1–5, 1996, San Francisco, California.
22. Hyötyniemi, H.: *On Structural Identifiability of Dynamic Models*. Preprints of the IFAC Symposium on System Identification (SYSID'97), Fukuoka, Japan, July 8–11, 1997, Vol. 1, pp. 243–248.
23. Hyötyniemi, H.: From intelligent models to smart ones. In *Proceedings of the 2nd Int. Conf. on Intelligent Processing and Manufacturing of Materials (IPMM'99)*, Honolulu, Hawaii, July 10-15, 1999, Vol. 1, pp. 179–184.
24. Hyötyniemi, H.: *GGHA Toolbox for Matlab*. Helsinki University of Technology, Control Engineering Laboratory, Report 115, 1999.
25. Hyötyniemi, H. Ylinen, R., and Miettunen, J.: AI in Practice: Case study on a flotation plant. In the *Proceedings of the 9th Finnish Artificial Intelligence Conference (STeP 2000)*, Aug. 28-30, 2000, Espoo, Finland, Vol. 2, pp. 159–166.
26. Johansson, R.: *System Modeling & Identification*. Prentice Hall, Englewood Cliffs, New Jersey, 1993.
27. Kohonen, T.: *Self-Organizing Maps*. Springer-Verlag, Berlin, Germany, 1995.
28. Lee, T.-W.: *Independent Component Analysis: Theory and Applications*. Kluwer Academic Publishers, Boston, 1998.
29. Ljung, L. and Söderström, T.: *Theory and Practice of Recursive Identification*. MIT Press, Cambridge, Massachusetts, 1983.

30. Maciejowski, J.: *Multivariable Feedback Design*. Addison-Wesley, Boston, 1989.
31. Martens, H. A.: *Multivariable Calibration — Quantitative Interpretation of Non-Selective Chemical Data*. Doctoral Thesis, Technical University of Norway, Trondheim, Norway, 1985.
32. Morrison, D.F.: *Multivariate Statistical Methods*. McGraw-Hill, New York, 1967.
33. Noble, B. and Daniel, J.W.: *Applied Linear Algebra*. Prentice-Hall, Englewood Cliffs, New Jersey, 1977.
34. van Overschee, P. and de Moor, B.: *Subspace Identification for Linear Systems*. Kluwer Academic Publishers, Boston, Massachusetts, 1996.
35. Pindyck, R.S. and Rubinfeld, D.L.: *Econometric Models and Econometric Forecasts* (3rd edition). McGraw-Hill, New York, 1991.
36. Sarle, W.S.: *Neural Networks and Statistical models*. Proceedings of the nineteenth annual SAS Users group international conference, April 1994.
37. Tabachnick, B.G. and Fidell, L.S.: *Using Multivariate Statistics* (4th edition). Allyn and Bacon, Boston, 2001.
38. Wold, H.: Soft modelling with latent variables: the nonlinear iterative partial least squares approach. In Gani, J. (ed.): *Perspectives in probability and Statistics: Papers in honour of M.S. Barlett*, Academic Press, London, 1975, pp. 114–142.