References

Adaptech (1996a) WinPIM$^+$TR – System Identification Software, Adaptech, St. Martin d'Hères, France.

Adaptech (1997b) WinPIM-BF – Software for closed loop identification, Adaptech, St. Martin d'Hères, France.

Adaptech (1998) Optreg – Software for automated design of robust digital controllers using convex optimization (for MATLAB$^®$), Adaptech, St. Martin d'Hères, France.

Adaptech (1999a) REDUC – Controller order reduction by closed-loop identification (Toolbox for MATLAB$^®$), Adaptech, St. Martin d'Hères, France

Adaptech (1999b) CLID – Plant model identification in closed loop (Toolbox for MATLAB$^®$), Adaptech, St. Martin d'Hères, France.

Adaptech (2001a) Guidelines for RST controller implementation, Adaptech, St. Martin d'Hères, France.

Adaptech (2001) Guidelines for PRBS integration, Adaptech, St. Martin d'Hères, France.

Adaptech (2004) Wintrac – Software for data acquisition and real time RST digital control, Adaptech, St. Martin d'Hères, France.

Anderson B.D.O., Liu Y. (1989) Controller reduction concepts and approaches , IEEE Trans. on Automatic Control, vol. 34, no. 8, pp. 802-812.

Anderson B.D.O. (1993) Controller reduction: moving from theory to practice , IEEE Control Magazine, vol. 13, pp. 16-25.

Anderson B.D.O. (1998) From Youla Kučera to identification, adaptive and nonlinear control, Automatica vol. 34, 1485-1506.

Anderson B.D.O, Moore J.B. (1971) Linear Optimal Control, Prentice Hall, Englewood Cliffs, N.J.

Aström K.J. (1970) Introduction to Stochastic Control Theory, Academic Press, N.Y.

Aström K.J., Hägglund I. (1995) PID Controllers Theory, Design and Tuning, 2nd edition ISA, Research Triangle Park, N.C., U.S.A.

Aström K.J., Wittenmark B. (1995) Adaptive Control, 2nd edition, Addison Wesley, Reaching, Mass.

Aström K.J., Wittenmark B. (1997) Computer Controlled Systems - Theory and Design, 3rd edition, Prentice-Hall, Englewood Cliffs, N.J.

Bendat J.S., Piersol A.G. (1971) Random Data Analysis and Measurement Procedures, John Wiley.

Béthoux G. (1976) Approche unitaire des méthodes d'identification et de commande adaptative des procédés dynamiques, Ph.D., Institut National Polytechnique de Grenoble, juillet.

Bierman, G. (1977) Factorization methods for discrete sequential estimation, Academic Press, New York.

Bourlès H., Irving E. (1991) La méthode LQG/LTR une interprétation polynomiale, temps continu/temps discret , RAIRO-APII, Vol. 25, pp. 545-568.

Box G.E.P., Jenkins G.M. (1970) Time Series Analysis , Forecasting and Control, Holden Day, S. Francisco.

Boyd St.P, Barratt C.H. (1991) Linear controller design. Limits of performance, Prentice Hall, Englewood Cliffs.

Camacho, E.F., Bordons, C. (2004) Model Predictive Control, 2nd edition, Springer, London, UK.

Candy J.V. (1986) Signal Processing - The Model Based Approach, MacGraw-Hill, N.Y.

Clarke D.W., Gawthrop P.J. (1975) A Self-Tuning Controller , Proc. IEE, vol.122, pp. 929-34.

Clarke D.W., Gawthrop P.J. (1979) Self-tuning Control , Proc. IEEE, vol. 126, pp .633-40.

Clarke D., Mothadi C. (1987) Generalized predictive control, Automatica, vol 23, pp. 137-160.

Clarke D., Mothadi C. (1989) Properties of generalized predictive control, Automatica, vol 25, pp. 859-876.

Doyle J.C., Francis B.A., Tanenbaum A.R.,(1992) Feedback Control Theory, Mac Millan, N.Y.

Dugard L., Landau I.D. (1980) Recursive Output Error Identification Algorithms Theory and Evaluation , Automatica, vol. 16, pp.443-462.

Duong H.N., Landau I.D. (1996) An I.V. based criterion for model order selection , Automatica, vol. 32, no. 6, pp. 909-914.

Eykhoff P. (1974) System Identification Parameter and State Estimation, John Wiley, London.

Fenot C., Rolland F., Vigneron G., Landau I.D. (1993) Open loop adaptive feedback control of depozited zinc in hot dip galvanizing , Control Engineering Practice, vol. 1, no. 5, pp 347-352.

Fenot C., Vigneron G., Rolland F., Landau I.D. (1993) Régulation d'épaisseur de dépôt de zinc à Sollac, Florange , Revue Générale d'Electricité, no. 11, pp. 25-30, Déc.

Forsell U., Ljung L. (1999) Closed loop identification revisited, Automatica, vol. 35, n. 7, pp. 1215-1241.

Franklin G., Powell J.D. (1986) Feedback Control of Dynamic Systems, Addison Wesley, Reading, Mass.

Franklin G.F., Powell J.D., Workman M.L. (1998) Digital Control of Dynamic Systems , 3rd edition, Addison Wesley, Reading, Mass.

Gevers M. (1993) Towards a joint design of identification and control , in Essays in Control (H.L. Trentelman, J.C. Willems, Eds), Birkhäuser, Boston, USA, pp. 111-152.

Goodwin G.C., Payne R.L. (1977) Dynamic System Identification Experiment Design and Data Analysis, Academic Press, N.Y.

Goodwin G.C., Sin K.S. (1984) Adaptive Filtering Prediction and Control, Prentice-Hall, Englewood Cliffs, N.J.

Hogg R., Graig A. (1970) Introduction to Mathematical Statistics, MacMillan, N.Y.

Isermann R. (1980) Practical aspects of process identification , Automatica, vol.16, pp. 575-587.

Isermann R. (Ed) (1981) Special Issue on System Identification , Automatica, vol 17, n° 1.

Kailath T. (1980) Linear systems, Prentice Hall, Englewood Cliffs, N.J.

Karimi A., Landau I.D. (1998) Comparison of the closed loop identification methods in terms of the bias distribution , Systems and Control Letters, vol. 34, pp. 159-167.

Kuo B. (1980) Digital Control Systems, Holt Saunders, Tokyo.

Kuo B.C. (1991) Automatic Control Systems (6th edition), Prentice Hall, N.J.

Kwakernaak H. (1993) Robust control and H_{inf} optimization – a tutorial Automatica, vol.29, pp.255-273.

Landau I.D. (1976) Unbiased recursive identification using model reference adaptive tehniques I.E.E.E., Trans. on Automatic Control, vol AC-20, n°2, pp. 194-202.

Landau I.D. (1979) Adaptive control – the model reference approach, Dekker, N.Y.

Landau I.D. (1981) Model Reference Adaptive Controllers and Stochastic Self-tuning Regulators, A Unified Approach , Trans. A.S.M.E, J. of Dyn. Syst. Meas. and Control, vol. 103, n°4, pp. 404, 416.

Landau I.D. (1982) Near Supermartingales for Convergence Analysis or Recursive Identification and Adaptative Control Schemes , Int J. of Control, vol.35, pp. 197-226.

Landau I.D. (1984) A Feedback System Approach to Adaptive filtering , IEEE Trans. on Information Theory, vol. 30, n°2, pp. 251-262.

Landau I.D. (1986) La Commande Adaptative Un Tour Guidé, in Commande adaptative - Aspects pratiques et théoriques (Landau, Dugard- Editeurs), Masson, Paris.

Landau I.D. (1990) System Identification and Control Design, Prentice Hall, Englewood Cliffs, N.J.

Landau I.D. (1993) Evolution of Adaptive Control , A.S.M.E. Transactions, Journal D.S.M.C., vol. 115, no. 2, pp. 381-391, june.

Landau I.D. (1995) Robust digital control of systems with time delay (the Smith predictor revisited) , Int. J. of Control, vol. 62, pp. 325-347.

Landau I.D. (2001a) Identification in closed loop a powerful design tool (better models, simple controllers) , Control Engineering Practice, vol. 9, no. 1, pp. 51-65.

Landau I.D. (2001b) Les bases de l'identification des systèmes, in Identification des Systèmes (I.D. Landau, A. Bensançon-Voda, ed), pp. 19-130, Hermes, Paris.

Landau I.D., Constantinescu A., Rey D. (2005) Adaptive Narrow Band Disturbance Rejection Applied to an Active Suspension – An Internal Model Principle Approach, Automatica, Vol.61, n°4.

Landau I.D., Karimi A. (1997a) An output error recursive algorithm for unbiased identification in closed loop , Automatica, vol. 33, no. 8, pp. 933-938.

Landau I.D., Karimi A. (1997b) Recursive algorithms for identification in closed-loop – a unified approach and evaluation , Automatica, vol. 33, no. 8, pp. 1499-1523.

Landau I.D., Karimi A. (1998) Robust digital control using pole placement with sensitivity function shaping method , Int. J. of Robust and Nonlinear Control, vol. 8, pp. 191-210.

Landau I.D., Karimi A. (2001) Identification des modèles de procédé en boucle fermée , in Identification de systèmes (I.D. Landau, A. Besançon-Voda, Eds), pp. 213-244, Hermès, Paris.

Landau I.D., Karimi A. (2002) A unified approach to closed-loop plant identification and direct controller reduction, European J. of Control, vol. 8, no.6.

Landau I.D., Karimi A., Constantinescu A. (2001) Direct controller reduction by identification in closed loop , Automatica, vol. 37, no. 11, pp. 1689-1702.

Landau I.D., Langer J., Rey D., Barnier J. (1996) Robust control of a 360° flexible arm using the combined pole placement / sensitivity function shaping method , IEEE Trans. on Control Systems Tech., vol. 4, no. 4, pp. 369-383.

Landau I.D., Lozano R. (1981) Unification of Discrete-Time Explicit Model Reference Adaptive Control Designs , Automatica, vol. 12, pp. 593-611.

Landau I.D., Lozano R., M'Saad M. (1997) Adaptive Control, Springer, London, UK.

Landau I.D., M'Sirdi N., M'Saad M. (1986) Techniques de modélisation récursives pour l'analyse spectrale paramétrique adaptative , Traitement du Signal, vol.3, pp. 183-204.

Landau I.D., Rolland F. (1993) Identification and digital control of electrical drives , Control Engineering Practice, vol. 1, no. 3.

Langer J., Constantinescu A. (1999) Pole placement design using convex optimization criteria for the flexible transmission benchmark , European Journal of Control, vol. 5, no. 2-4, pp. 193-207.

Langer J., Landau I.D. (1996) Improvement of robust digital control by identification in closed loop. Application to a 360° flexible arm , Control Engineering Practice, vol. 8, no. 4, pp. 1079-1088.

Langer J., Landau I.D. (1999) Combined pole placement / sensitivity function shaping using convex optimization criteria , Automatica, vol. 35, pp. 1111-1120.

Ljung L.,(1999) System Identification - Theory for the User, 2nd edition, Prentice Hall, Englewood Cliffs.

Ljung L., Söderström T. (1983) Theory and Practice of Recursive Identification, MIT Press, Cambridge, Mass.

Lozano R., Landau I.D. (1982) Quasi-direct adaptive control for nonminimum phase systems , Transactions A.S.M.E., Journal of D.S.M.C., vol. 104, n°4, pp. 311-316, décembre.

Macejowski J.M.(2001) Predictive control with constraints, Prentice Hall, N.J.

Mathworks (1998) Identification toolbox for Matlab, The Mathworks Inc., Mass. U.S.A.

Morari M., Zafiriou E. (1989) Robust Process Control, Prentice Hall International, Englewood Cliffs, N.J.

M'Saad M., Landau I.D. (1991) Adaptive Control An overview , Actes du Symposium International IFAC ADCHEM 91, pp.3-11, Toulouse.

Narendra K.S., Taylor J.H. (1973) Frequency Domain Criteria for Absolute Stability, Academic Press, New York.

Ogata K. (1990) Modern Control Engineering (2nd edition), Prentice Hall, N.J.

Ogata K. (1987) Discrete-Time Control Systems, Prentice Hall, N.J.

Phillips, C.L., Nagle, H.T. (1995) Digital Control Systems Analysis and Design, 3rd edition, Prenctice Hall, N.J.

Press W.H., Vetterling W.T., Teukolsky S., Flanery B. (1992) Numerical recipes in C (The art of scientific computing), 2nd edition, Cambridge University Press, Cambridge, Mass.

Prochazka H., LandauI.D. (2003) Pole placement with sensitivity function shaping using 2nd order digital notch filters, Automatica, Vol. 39, 6, pp. 1103-1107.

Rantzer A., Megretski A. (1994) A convex parametrization of robustly stabilizing controllers, IEEE Trans. Aut. Control. Vol. 39, pp. 1802-1808.

Rolland F., Landau I.D. (1991) Pour mieux réguler le PC va vous aider , Mesures, pp. 71-73, december.

Shinskey F.G. (1979) Process Control Systems, McGraw-Hill, N.Y.

Söderström T., Stoica P. (1983) Instrumental variable methods for system identification , Lectures Notes in Control and Information Sciences, Springer Verlag, Berlin.

Söderström T., Stoica P. (1989) System Identification, Prentice Hall International, Hertfordshire.

Solo V. (1979) The Convergence of A.M.L. , IEEE Trans. Automatic Control, vol. AC-24, pp. 958-963.

Sung H.K., Hara S. (1988) Properties of sensitivity and complementary sensitivity functions in single-input, single-output digital systems , Int. J. of Cont., vol. 48, n°6, pp. 2429-2439.

Takahashi Y., Rabins M., Auslander D. (1970) Control, Addison Wesley, Reading, Mass.

Tsypkin Y.Z. (1997) Stochastic discrete systems with internal models, Journal of Automation and information Sciences, Vol. 29 pp. 156-161.

Van den Bossche E. (1987) Etude et commande adaptative d'un bras manipulateur flexible , Ph.D., I.N.P.G.

Van den Hof P., Shrama R. (1993) An indirect method for transfer function estimation from closed loop data , Automatica, vol. 29, no. 6, pp. 1523-1528.

Vieillard J.P. (1991) Machine automatique pour la fabrication de cables torsadés téléphoniques , La Lettre d'Adaptech, no. 2, pp. 1-2, Adaptech, St. Martin d'Hères, France.

Vinnicombe G. (1993) Frequency domain uncertainty and the graph topology , IEEE Trans. on Automatic Control, vol. 38, no. 9, pp. 1371-1383.

Voda A., Landau I.D. (1995a) A method for the auto-calibration of P.I.D. controllers , Automatica, no. 2.

Voda A., Landau I.D. (1995b) The auto-calibration of P.I. controllers based on two frequency measurements , Int. J. of Adaptive Control and Signal Processing, vol. 9, no. 5, pp. 395-422.

Wirk G.S. (1991) Digital Computer Systems, 3rd edition, MacMillan, London.

Young P.C. (1969) An Instrumental Variable Method for Real Time Identification of a Noisy Process , Automatica, vol.6, pp. 271-288.

Young P.C., Jakeman A.J. (1979) Refined Instrumental Variable Methods of Recursive Time Series Analysis , Part I, Single-input, Single-output Systems, Int. J. of Control, vol. 29, pp.1-30.

Zames G. (1966) On the input-output stability of time-varying non linear feedback systems , IEEE-TAC, vol. AC-11, April, pp. 228-238, july pp. 445-476.

Zhu K. (1998) Essentials of robust control, Prentice Hall, N.J., U.S.A.

Ziegler J.G., Nichols N.B. (1942) Optimum Settings for Automatic Controllers , Trans. ASME, vol. 64, pp. 759-768.