

Uppsala University
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Systems and Control
Professor Torsten Söderström, January 11, 2007

Some (selected) literature on Linear dynamic systems

- A. C. Antoulas: *Approximation of Large-Scale Dynamical Systems*, SIAM, Philadelphia, 2005.
- P. J. Antsaklis and A. N. Michel: *Linear Systems*, McGraw Hill, New York, 1997.
- R. W. Brockett: *Finite Dimensional Linear Systems*, John Wiley and Sons, Inc, New York, 1970.
- F. M. Callier and C. A. Desoer: *Linear System Theory*, Springer-Verlag, New York, 1991.
- J. L. Casti: *Dynamical Systems and Their Applications: Linear Theory*, Academic Press, New York, 1977.
- C. T. Chen: *Linear System Theory and Design*, Holt-Saunders International Editions, New York, 1970.
- L. Dai: *Singular Control Systems*, Springer-Verlag, Berlin, 1989.
- C. Desoer: *Notes for a Second Course on Linear Systems*, D. Van Norstrand Co, New York, 1970.
- P. Dewilde and A.-J. van der Veen: *Time-Varying Systems and Computations*. Kluwer Academic Publishers, Dordrecht, 1998.
- M. Gerdin: *Identification and Estimation for Models Described by Differential-Algebraic Equations*, PhD thesis, Department of Electrical Engineering, Linköping University, Sweden, 2006.
- G. C. Goodwin, S. F. Graebe and M. E. Salgado: *Control System Design*, Prentice-Hall, Upper Saddle River, NJ, 2001.
- I. Hartmann: *Lineare Systeme. Grundlagen der Systemdynamik und Regelungstechnik*, Springer-Verlag, Berlin, 1976.
- T. Kailath: *Linear Systems*, Prentice-Hall, Englewood Cliffs, NJ, 1980.
- V. Kučera: *Analysis and Design of Linear Control Systems*, Academia, Prague, 1991.

- H. H. Rosenbrock: *State-space and Multivariable Theory*, Thomas Nelson and Sons Ltd, London, 1970.
- H. H. Rosenbrock and C. Storey: *Mathematics of Dynamical Systems*, Thomas Nelson and Sons Ltd, London, 1970.
- W. J. Rugh: *Linear System Theory*, Prentice-Hall, Upper Saddle River, 1996.
- T. Söderström: Lecture Notes in Realization Theory, Technical Report UPTEC 8631K, Department of Technology, Uppsala University, 1986.
- E. D. Sontag: *Mathematical Control Theory*, Springer-Verlag, New York, 1998.
- W. A. Wolovich: *Linear Multivariable Systems*, Springer-Verlag, New York, 1974.
- W. M. Wonham: *Linear Multivariable Control. A Geometric Approach*, Springer-Verlag, Berlin, 1974.