

Trifon G. Koussiouris

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Education

Diplom-Ingenieur in Mechanical and Electrical Engineering, National Technical University of Athens, 1971.

M.Sc. in Control Engineering, University of Manchester Institute of Science and Technology, 1975.

Ph.D. in Control Engineering, University of Manchester Institute of Science and Technology, 1978.

Employment History

Professor of the School of Electrical and Computer Engineering, National Technical University of Athens, 1992 to present.

Associate Professor of the School of Electrical and Computer Engineering, National Technical University of Athens, June 1985 to 1992.

Research fellow of the Naval Research Center, Ministry of Defense, April 1978 to May 1985.

Lieutenant Reserve Officer of the Technical Corps of the Greek Army, October 1971 to January 1974.

Teaching

The list below is the undergraduate courses that I have taught at National Technical University of Athens.

- 3.3.07.5 Circuits and Systems Analysis (1985 to present)
- 3.3.10.5 Introduction to Automatic Control (2003-2010)
- 3.3.08.6 Passive and Active Circuit Synthesis (1985 to present)
- 3.3.26.8 Multivariable Control Systems (1985 to present)
- 3.1.24.8 Discrete Time Systems and Digital Filters (1985 to 1986)

The list below is the postgraduate courses that I have taught at National Technical University of Athens.

- 210 Automatic Control Systems (2000 to present)
- 2101 Discrete Time Control Systems (2003 to present)
- 2102 Multivariable Control Systems (2000 to present)

Research

Selected Publications

Koumboulis, F. N., Koussiouris, T.G. and Skarpetis, M.G. (2004), Robust Morgan's Problem , *Circuits, Systems, and Signal Processing*, Vol. 23, pp. 77-104.

Kiritsis, K. H. and Koussiouris, T. G. (2002), Decoupling and pole assignment by constant output feedback, *Kybernetika*, Vol. 38, pp. 187-195

Koussiouris T.G. and Tzierakis K.G. (1996), Frequency-Domain Conditions for Disturbance Rejection and Decoupling with Stability or Pole-Placement, *Automatica*, Vol.32, No.2, 229-234.

Koussiouris, T.G. and Zervos M. (1994), On the Solvability of Morgan's Problem (I): Necessary and Sufficient Conditions for Decoupling by State Feedback and a Constant Singular Input Transformation, *IMA Journal of Mathematical Control and Information*, vol.11, pp.93-110.

Koussiouris, T. G. and Tyrllis, B. (1994), On the solvability of Morgan's problem (II): Pole Assignment while Decoupling by State Feedback and a Constant Singular Input Transformation, *IMA Journal of Mathematical Control and Information*, vol.11, pp. 111-131.

Koussiouris T. G. and Likothanassis S. D. (1983), On the Inverse Problem of Optimal Control, *Int. J. Control*, Vol.38, pp. 269-271.

Koussiouris, T.G. (1982), The module structure of a controllable system, *Int. J. Control*, Vol 35, pp. 665-675.

Koussiouris, T. G. (1981), Controllability indices of a system, minimal indices of its transfer function matrix and their relations, *Int. J. Control*, Vol. 34, pp. 613-622.

Koussiouris, T. G. and Bakirtzis, A.G. (1981), Optimization and pole placement for a single input controllable system, *Int. J. Control*, Vol. 33, pp. 355-362.

Koussiouris, T.G. (1980), On the sensitivity of a system compensated by the inverse Nyquist array, *Proc. IEE Pt D*, Vol. 127, pp. 177-187.

Koussiouris, T.G. (1980), A frequency domain approach for the block decoupling problem II. Pole assignment while block decoupling a minimal system by state feedback and a constant non-singular input transformation and observability of the block decoupled system, *Int. J. Control*, Vol 32, pp. 443-464.

Koussiouris, T.G. (1980), A new stability theorem for multivariable systems, *Int. J. Control*, Vol 32, pp. 435-441.

Koussiouris, T.G. (1979), A frequency domain approach for the block decoupling problem I. The solvability of the block decoupling problem by state feedback and a constant nonsingular input transformation, *Int. J. Control*, Vol. 29, pp. 991-1010.

Research Interests

My research interests concern:

- Analysis and control of multivariable systems.
- Modeling and analysis of engineering systems.
- Design of electrical circuits.

Former postgraduate students:

Skarpetis M. Assistant Professor of TEI Halkis.

Tzierakis K. Assistant Professor of TEI Halkis.

Kyritsis K. Adjunct Lecturer of Hellenic Air Force Academy.