COMPUTER AIDED ANALYSIS OF CONTROL SYSTEMS

By

CHRYSOSTOMOU CHRYSOSTOMOS

Supervisor : Dr M Kassinopoullos

This project is submitted in partial fullfillment of the requirements for the award of the diploma of the Technician Engineer in Electrical Engineering.

Higher Technical Institute

Nicosia, Cyprus

June 1994

HIGHER TECHNICAL INSTITUTE | PROJECT NO. 2302

SUMMARY

CHRYSOSTOMOU CHRYSOSTOMOS

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The main objective of this project was the design, construction and testing of various experimental units for laboratory purposes, as well as to write appropriate experiments for computer aided analysis of various control systems.

The experimental units constructed are appropriate, for the analysis of first and second order systems and for the study of compensating networks.

Also a manual with the main instructions required for the use of a computer program is provided.

For the testing of the experimental units, appropriate experiments were written whose procedures were followed step by step and corresponding results were taken. A comparison was made between the experimental and the theoretical results, as well as the results taken from the computer program.

Finally, as it can be observed, the best analysis of control systems is achieved with the aid of the computer.

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