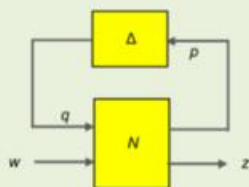


Σύγχρονη Θεωρία Ελέγχου

Αναστάσιος Πουλιέζος



Ελληνική Ακαδημαϊκή Συνεργασία και Βιβλιοθήκες
Hellenic Academic Libraries Link

HEALLINK
Hellenic Academic Libraries Link

Εθνική Επιτροπή Έρευνας και Τεχνολογίας
Εθνική Επιτροπή Έρευνας και Τεχνολογίας

ΕΠΤΑ
Εθνική Επιτροπή Έρευνας και Τεχνολογίας

METADATA

Title: Modern Control Theory

Other Titles: -

Language: Greek

ISBN: 978-960-603-027-7

Subject: ENGINEERING AND TECHNOLOGY, MATHEMATICS AND COMPUTER SCIENCE

Keywords: Automatic Control / Optimal Control / Minimum Norm Control / Multivariable Control / Robust Control

Bibliographic Reference: Pouliezios, A. (2015). Modern Control Theory [Undergraduate textbook]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-883>

Abstract

This book deals with the modern robust control theory, which is based on the notion of the minimum norm criterion (H_2 -norm, H_∞ norm). Classical control theory is also briefly introduced: multivariable loop shaping and classical optimal control theory, based on Pontryagin's

principles. Necessary math are included in the Appendix. The theory is supplemented by a number of original examples, from various scientific fields, as well as exercises. Solutions are accompanied by On-line and off0line MATLAB code and internet applications.

