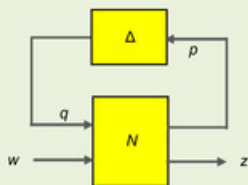


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Abstract

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 offline MATLAB code and internet applications.

