

Robust stability and convexity - an introduction

Springer-Verlag - Improved criteria on robust stability and H^∞ performance for linear systems with interval time

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Convex conditions for robust stability analysis and stabilization of linear aperiodic impulsive and sampled

The application of convexity techniques leads to new computationally tractable stability criteria for families of characteristic functions with nonlinear dependence on the parameters. This may not be acceptable for embedded control systems that have safety implications.

Improved criteria on robust stability and H^∞ performance for linear systems with interval time

Good models of systems are difficult to construct.

Robust Stability and Convexity: An Introduction by Jacob Kogan (Paperback, 1994) for sale online

The author points out the concept of the dual role of adaptive control systems.

Robust Stability and Convexity

These two results are then connected together using operator theoretic results and the notion of adjoint system.

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