

STABILIZATION OF SYSTEMS WITH UNCERTAIN PARAMETERS

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Abstract

In this paper a technique for designing robust stable controller for multivariable system with uncertain parameters is presented. It has been assumed that the system matrices (A, B, C) are known to be within intervals. The designed compensator ensures that the resulting closed-loop system will remain stable while, A, B and C vary throughout their respective intervals.

Keywords: stability, controller, robust, uncertain parameters