

论文与报告

大系统的动态递阶伺服控制

熊运鸿,高为炳

北京航空航天大学七研,北京

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摘要

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分类号

The Robust Dynamic Hierarchical Control of A General Servomechanism Problem for Large Scale Systems

Xiong Yunhong, Gao Weibing

Abstract

A general servomechanism problem of large scale systems which may have unstable decentralized fixed modes is considered. The dynamic hierarchical control scheme proposed recently is applied to the problem. The structure of "he dynamic hierarchical servo controller which enables asymptotic tracking independant of disturbances in the plant, perturbations in the parameters, and gains of the system is given. Conditions under which the new type controller can be designed are obtained.

Key words [Large scale systems](#) [servomechanism problems](#) [hierarchical control](#) [decentralized control](#)

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通讯作者

作者个人主页 [熊运鸿;高为炳](#)

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