



航空学报 » 1990, Vol. 11 » Issue (3) :194-198 DOI:

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系统存在干扰及建模误差时的稳定自适应控制算法

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A STABLE ADAPTIVE CONTROLLER DESIGN FOR SYSTEM UNDER DISTURBANCE AND MODELLING ERROR

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摘要

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摘要 <正> 1.问题叙述 研究模型参考自适应控制系统,在不考虑系统的外界干扰及建模误差时如图1所示。

关键词: 自适应 建模误差 鲁棒性

Abstract: In this paper the system under disturbance and modelling error is discussed. A new adaptive control algorithm is suggested. This algorithm is stable in a certain region and has a strong robust property. Examples and simulation results are given. It is proved that this method can improve the system stability and robust properties.

Keywords: adaptive modelling error robust properties

Received 1988-01-09; published 1990-03-25

引用本文:

胡恒章;赵川. 系统存在干扰及建模误差时的稳定自适应控制算法[J]. 航空学报, 1990, 11(3): 194-198.

Hu Hengzhang; Zhao Chuan. A STABLE ADAPTIVE CONTROLLER DESIGN FOR SYSTEM UNDER DISTURBANCE AND MODELLING ERROR[J]. Acta Aeronautica et Astronautica Sinica, 1990, 11(3): 194-198.

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