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H_{∞} 中的规范化LCF法在综合控制系统设计中的应用

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APPLICATION OF NORMALIZED LCF H_{∞} METHOE IN FLIGHT/PROPULSEON CONTROLLER DESIGN

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摘要

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摘要 用鲁棒控制理论中的规范化左互质因子分解(规范化 LCF)法为某型飞机设计纵向/推综合控制器,并总结了该方法的一些特点和设计要
求。设计出的控制器满足实际工程要求,得到比较满意的控制效果。

关键词: 规范化左互质因子分解 鲁棒控制 回路成形

Abstract: This article designed a longitudinal flight/propulsion controller for flight control systems by using normalized left coprime factorization(normalized LCF) of robust theories and summarized some character and experience for the normalized LCF. The controller satisfied practical engineering requirements. The effect of the controller was good.

Keywords: normalized left coprime factorization robust control loop shaping

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