论文

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关于区间系统的鲁棒严格正实性设计

贾英民, 高为炳

北京航空航天大学第七研究室

ROBUST STRICT POSITIVE REALNESS DESIGN OF INTERVAL SYSTEMS

Jia Yingmin,Gao Weibing

7th Research Division,Beijing University of Aeronautics and Astronautics,Beijing,100083

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摘要 主要研究了区间系统的鲁棒严格正实设计问题。给出了系统严格正实镇定的充分条件，分析了该条件的易计算性并获得了一类区间分母系统采用一阶控制器时鲁棒严格正实镇定的顶点结果。使得控制器的设计程序大为简化

关键词：

Abstract： The robust strict positive realness design of interval systems is studied. A sufficient condition for strict positive realness stabilization is first given, then the computability of the condition is analyzed and the extreme point results for robust strict positive realness stabilization of a class of interval denominator systems with first order controllers are derived. Thus the controller design procedure may be greatly simplified.

Keywords：

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