

论文与报告

微分代数控制问题的实时计算

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摘要

关键词 [微分代数问题](#) [实时控制](#) [稳定性](#)

分类号

The Real-Time Computation for the Control Problem in Differential Algebraic System

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Abstract

In this paper, a real-time computation method for the control problem in differential algebraic system is presented. The errors of the method are estimated, and the relation between the sampling siepsize and the controlled errors is given. This paper deals with the stability analysis for a model problem and plots the stability regions which gives the range of the sampling stepsizes for which the stability of control process is guaranteed.

Key words [Differential algebraic problem](#) [Real-time control](#) [Stability](#)

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