

论文与报告

MAC和DMC的改进算法

李嗣福

中国科技大学自动化系,合肥

收稿日期 1992-3-4 修回日期 网络版发布日期 接受日期

摘要

关键词 [模型预测控制](#) [模型算法控制](#) [动态矩阵控制](#) [线性控制系统](#)

分类号

Improvement Algorithms of MAC and DMC

LI Sifu

Abstract

In this paper, improvement algorithms of MAC and DMC are respectively presented for most industrial processes with over damping characteristic. The improved algorithms can reduce significantly the truncated error of the truncating unit pulse (or step) response time-sequence of the controlled process as the internal model. With this algorithm, the number N of leading terms of such a sequence can be greatly reduced. Hence the computation effort to implement MAC or DMC on-line can be reduced substantially.

Key words [MPC](#) [MAC](#) [DMC](#) [Linear Control System](#)

DOI :

通讯作者

作者个人主页 [李嗣福](#)

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(480KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献\[PDF\]](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“模型预测控制”的相关文章](#)

▶ 本文作者相关文章

· [李嗣福](#)