

论文

A MULTI -PARAMETER SPLITTING EXTRAPOLATION AND A PARALLEL ALGORITHM FOR PARABOLIC PROBLEM

LIU Xiaoqi

Department of Mathematics,Xiangtan Teachers College,Xiangtan,China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 In this paperl we show that the finite element solution of parabolic equation hasa multi-parameter asymptotic error expansion. From this expansion, a multi-parameter splitting extrapolation method and a Parallel algorithm for solving parabolic equations with higher order accuracy are developed.

关键词 [Parabolic equation](#), [finite element](#), [mult](#)

分类号

A MULTI-PARAMETER SPLITTING EXTRAPOLATION AND A PARALLEL ALGORITHM FOR PARABOLIC PROBLEM

LIU Xiaoqi

Department of Mathematics,Xiangtan Teachers College,Xiangtan,China

Abstract In this paperl we show that the finite element solution of parabolic equation hasa multi-parameter asymptotic error expansion. From this expansion, a multi-parameter splitting extrapolation method and a Parallel algorithm for solving parabolic equations with higher order accuracy are developed.

Key words [Parabolic equation](#) [finite element](#) [multi-parameter error expansion](#) [parallel algorithm](#) [multi-param](#)

DOI:

通讯作者

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(0KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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 “[Parabolic equation, finite element, mult](#)”的 [相关文章](#)
- ▶ 本文作者相关文章
- [LIU Xiaoqi](#)