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 "Conjugate gradient, convergence property, line search"的相关文章
▶本文作者相关文章
· Shujun Lian
· Changyu Wang
· Lixia Cao

Convergence Properties of the Dependent PRP Conjugate Gradient Methods

Shujun Lian(1), Changyu Wang(2), Lixia Cao(3)

(1)Department of Mathematics, Shanghai University, Shanghai, 200436, China;College of Operations and Management, Qufu Normal University, Qufu, 273165, China;(2)College of Operations and Management, Qufu Normal University, Qufu, 273165, China;(3)Department of Mathematics, Rizhao Radio and Television University, Rizhao, 276826, China

收稿日期   修回日期   网络版发布日期   接受日期

摘要   In this paper, a new region of β_k with respect to β_kPRP is given. With two Armijo-type line searches, the authors investigate the global convergence properties of the dependent PRP conjugate gradient methods, which extend the global convergence results of PRP conjugate gradient method proved by Grippo and Lucidi (1997) and Dai and Yuan (2002).
关键词   Conjugate gradient, convergence property, line search
分类号

Convergence Properties of the Dependent PRP Conjugate Gradient Methods

Shujun Lian(1), Changyu Wang(2), Lixia Cao(3)

(1)Department of Mathematics, Shanghai University, Shanghai, 200436, China;College of Operations and Management, Qufu Normal University, Qufu, 273165, China;(2)College of Operations and Management, Qufu Normal University, Qufu, 273165, China;(3)Department of Mathematics, Rizhao Radio and Television University, Rizhao, 276826, China

Abstract In this paper, a new region of β_k with respect to β_kPRP is given. With two Armijo-type line searches, the authors investigate the global convergence properties of the dependent PRP conjugate gradient methods, which extend the global convergence results of PRP conjugate gradient method proved by Grippo and Lucidi (1997) and Dai and Yuan (2002).

Key words   Conjugate gradient   convergence property   line search

通讯作者