

论文

Convergence Properties of the Dependent PRP Conjugate Gradient Methods

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摘要 In this paper, a new region of β_k with respect to β_k PRP 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](#)

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Abstract In this paper, a new region of β_k with respect to β_k PRP 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](#)

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