

# STOCHASTIC APPROXIMATION IN REAL TIME:A PIPE LINE APPROACH

收稿日期 1991-5-21 修回日期 网络版发布日期 2006-11-8 接受日期

摘要

关键词

分类号

## STOCHASTIC APPROXIMATION IN REAL TIME:A PIPE LINE APPROACH

Yun-min Zhu(1),Gang Yin(2)

(1)Inst. of Math. Scis., Chengdu Branch, Academia Sinica, Chengdu, Sichuan, China;(2)Department of Mathematics, Wayne State University, Detroit, USA.

**Abstract** A new approach for stochastic approximation in real time is developed. A number of processors are simultaneously active to carry out a computing task. All processors work on the same system with different starting time. After each iteration, computed data are passed to the next processor on line. Interacting tasks and iterative instructions are carried through pipelining of computation and communication. Asymptotic properties of the algorithm are developed, and comparisons of the performance between the new algorithm and the classical one are made.

**Key words**

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 无 相关文章](#)

▶ [本文作者相关文章](#)