

一种关联博弈的软件调度线性规划控制算法

刘海姣, 赵书田

(郑州财经学院, 河南 郑州 450044)

摘要: 提出一种基于关联博弈的软件调度线性规划控制算法.分析软件内部管理和质量评估分配原则,根据正态分布特性,得到软件线性规划控制博弈系统,设计软件调度关联博弈控制算法,基于对软件编码种类和应用环境进行规划控制,得到软件关联博弈线性规划调度的目标函数,在软件关联博弈线性规划调度过程中,利用加权运算的方法,进行软件博弈用户对象软件的优化调度,完成调度资源的合理配置,实现对软件调度模型的改进设计.仿真实验进行了性能测试和验证,实验结果表明,采用该算法能有效实现软件调度的关联博弈线性规划控制,耗费的时间短,控制精度较高,用户对象对软件利用率高.

关键词: 软件; 调度; 线性规划; 控制

Software Scheduling Linear Programming Control

Algorithm for Associative Game

LIU Hai-jiao,ZHAO Shu-tian

(Zhengzhou Institute of Finance and Economics,Zhengzhou 450044, China)

Abstract: In this paper, a linear programming software scheduling control algorithm based on association game. Analysis software allocation of the internal management and quality assessment, based on the characteristics of normal distribution by linear programming software control game system, scheduling associated game design software control algorithm, based on the types and application environment planning control software code, software coordinated-game linear planning and scheduling of the objective function, in the process of linear planning and scheduling software association game, using the method of weighted arithmetic software game user object of optimization scheduling, complete scheduling resources rational allocation, scheduling model for software design improvements. Simulation performance testing and verification, the experimental results show that using the proposed algorithm can effectively realize the coordinated-game linear programming control of scheduling software, time is short, high control precision, the user object for software utilization rate is high.

Key words: software; scheduling; linear programming; control

作者简介:

刘海姣 女, (1982-), 讲师.研究方向为计算机图形图像处理.E-mail: rtian1@163.com

赵书田 男, (1979-), 硕士, 讲师.研究方向为计算机应用和软件编程.