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## 论文

### 线性规划内点法的并行计算

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#### 摘要:

线性规划内点法的并行计算王思群, 魏紫銮 (中国科学院计算数学与科学工程计算研究所) PARALLEL COMPUTATION FOR LINEAR PROGRAMMING UNDER THE INTERIOR POINT METHOD Wang Siqun; Wei Ziluan...

#### 关键词:

PARALLEL COMPUTATION FOR LINEAR PROGRAMMING UNDER THE INTERIOR POINT METHOD

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#### Abstract:

Abstract In this paper, a parallel computational method for linear programming under interior point method is presented. Especially, the parallel algorithm is designed for distributed-memory multiprocessor with ring structure. 12 groups of test problems from Netlib show that the speed-up is from 1.15 to 3.26 on 5 T80-transputer parallel processors, and that the speed-up will be increasingly higher as the size and nonzero elements of the LP problem grow.

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