

工程与应用

## 半导体黄光区调度问题研究

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**摘要** 对半导体黄光区调度问题进行了研究, 建立了半导体黄光区调度的数学模型, 分别提出了用于求解该问题的启发式方法和粒子群算法方案, 阐明了两种算法方案的具体实现过程。通过对仿真实例进行计算和结果比较, 表明了粒子群算法优于启发式方法, 取得了不错的优化效果。

**关键词** [半导体黄光区](#) [粒子群算法](#) [调度](#)

分类号

## Research on semiconductor photolithography scheduling problem

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### Abstract

The problem of semiconductor photo area scheduling was studied. The model of semiconductor photo area scheduling was put forward and the method based on binary Particle Swarm Optimization (PSO) algorithm was proposed to solve this problem. The detailed realization of the method was illustrated. The example was computed. By comparison of the result, it can be found that the PSO is available and effective to solve the semiconductor photo area scheduling problem.

**Key words** [semiconductor photo area](#) [Particle Swarm Optimization \(PSO\)](#) [scheduling](#)

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