

## 连续生产模式下的不常用备件联合采购优化分析

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### Coordinated Replenishment Problem of Rarely Used Spare Parts Based on Continue Production

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**摘要** 针对连续性生产企业不常用备件管理缺货费用难以确定的实际情况,讨论了服务水平约束的基于随机连续盘点策略的联合补充(s,c,S)随机库存问题,经与单独补充策略相比,发现其经济效益明显。同时对影响备件联合采购费用节约的因素进行敏感性分析,指出了进行此类备件库存优化的方向。

**关键词:** 不常用备件 服务水平 联合采购 敏感性分析

**Abstract:** In most circumstances, the stock-out cost of spare parts can't be confirmed exactly because of the special characters of continuous production. Service level constrained (s,c,S) inventory model with continuous review policy for coordinated replenishment is established. Comparing with (s,S) policy, its advantage is tested through practical case. At the same time, sensitivity analysis for the factors to the cost saving of coordinated replenishment is accomplished and corresponding methods for inventory optimality are put forward for this sort of spare part.

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