

## 无线传感器网络基于类的簇头选择算法改进

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摘要：

分析了LEACH协议簇头选择算法的不足，针对能量与节点不均衡分布的WSN，提出了一种基于类的簇头选择优化算法，进行了分析和仿真。结果表明，优化算法改进了簇和簇头的分布方式，提高了负载均衡度，并延长了无线传感器网络的生存时间，适应更多的网络初始条件。

关键词：无线传感器网络；簇头；LEACH；负载均衡度；生存时间

## An improved arithmetic in choice of head-note base on clustering of WSN

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**Abstract:**

This paper analyzes the shortness of algorithm-LEACH and shows a new arithmetic based on the clustering which Depended on the asymmetrical distributions of energy and node. It can be testified that the improved arithmetic refines the distributions of cluster and head-node, so it' s much better than LEACH in lifetime and LBF, as well as in the suitability of WSN beginning.

**Keywords:** WSN; head-note; LEACH; LBF; lifetime

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