

论文

一个无需知道节点间距离的无线传感器网络定位方法

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摘要:

目前无线传感器网络中,大多数定位算法需要节点间的距离信息,这些方法有很多弊端.提出一种不需要节点间距离的定位方法,可以避免上述弊端.该方法只需要2个锚节点,且锚节点的位置任意.仿真结果显示该方法有较好的性能.

关键词: 无线传感器网络 定位技术 旋转信标

Localization algorithm without distance information for wireless sensor networks

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Abstract:

Most of existing localization algorithms of wireless sensor networks need the distance information between nodes and have many drawbacks. We propose a localization algorithm that does not need the distance information between nodes, and those drawbacks can be avoided. This algorithm only needs two anchors, and the locations of the anchors can be arbitrary. Simulation results show that this algorithm has good performance.

Keywords: wireless sensor networks localization approach rotation beacon

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扩展功能

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