

基于 Arduino 的定位装置开发

摘 要

题目是基于 Arduino 的定位装置开发，目的是依据 Arduino 的软件及硬件，以及基于现有的定位方法（例如实时定位系统与 RSSI 测距的工作原理）进行设计程序，软件仿真，实物操作。

需要进行的工作有在 Arduino 软件上编写程序，再进行程序仿真，操作成功过后进行实物焊接。

最后会成功得到一个基于 Arduino 的定位装置，然后证明选题的方向及操作是正确可行的。

关键词：定位装置；实时定位系统；Arduino

Abstract

The title is the development of the positioning device based on Arduino. The purpose is to design programs, software simulation and physical operation based on the software and hardware of Arduino and the existing positioning methods (such as the working principle of real-time positioning system and RSSI ranging).

The work that needs to be done is to write programs on Arduino software, conduct program simulation, and conduct welding in real objects after successful operation.

Finally, a positioning device based on Arduino will be successfully obtained, and the direction and operation of the topic will be proved to be correct and feasible.

Key Words: Arduino ; Positioning device ; Real time positioning system

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