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### 车载GPS复合定位系统仿真研究

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### SIMULATION STUDY ON GPS BASED INTEGRATED VEHICLE LOCATION SYSTEMS

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摘要

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摘要 研究了基于GPS的复合定位车载系统仿真方法,建立了车辆移动轨迹发生器、移动轨迹测量和各种传感器模型,通过计算机仿真,可以进行室内“模拟跑车”试验,从而为设计系统所关心的问题如总体定位精度等的研究提供了一个模拟试验平台。

关键词: GPS 车辆定位 系统仿真

Abstract: In this paper, a GPS based integrated Vehicle Location System Simulation is introduced. The associate models, concerning the vehicle trajectory generator, GPS and other sensors as well as trajectory measurement, are established. With computer simulation, an in door van test can be performed, providing a test platform for accuracy analysis required by the system design.

Keywords: GPS vehicle location system simulation

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