

# Design of Mobile GPS guidance and Automatic Security Integrated System

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## ABSTRACT

This thesis is to design and analyze a navigation and security integrated system for automobiles. The research in this thesis is divided into four parts: We analyzed the relative information and principle of satellite position system and mobile phone position system in the beginning and also discuss the technique to implement the GPS EngineBoard. The second part analyzes the design configuration of the navigation system and also compares the difference between the construction under the research and traditional navigation system. The third part introduces the security system, which combine GPS and mobile phone technology and its integration to the car. The last part utilized the system integration and made experimental analysis. We conclude the road test of this research and discuss those inconvenient points of the integrated system.

Keywords : 衛星導航

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