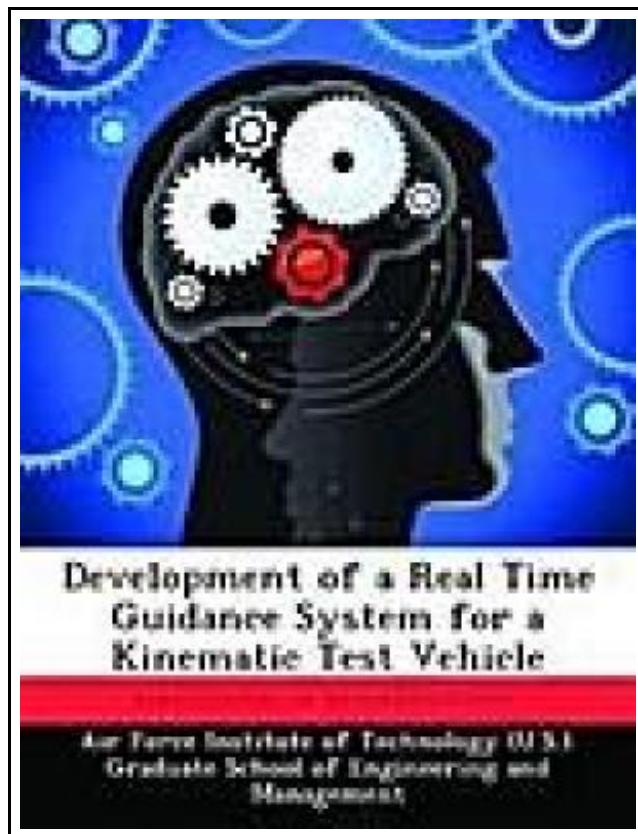


## Development of a Real Time Guidance System for a Kinematic Test Vehicle



Filesize: 5.42 MB

### Reviews

*This created ebook is great. it was written very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think.*

*(Aglae Becker)*

## DEVELOPMENT OF A REAL TIME GUIDANCE SYSTEM FOR A KINEMATIC TEST VEHICLE

[DOWNLOAD](#)

Biblioscholar Sep 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x6 mm. This item is printed on demand - Print on Demand Neuware - Differential carrier phase GPS measurements are capable of giving centimeter-level accuracies. These accuracies have many potential applications for safety and control of various types of vehicles. For this research, a real-time guidance system is developed. The real-time guidance system can be divided into two components: hardware and software. The hardware component consists of two GPS receivers (one base, one mobile), two wireless 115Kbaud transceivers, and two laptop computers. One computer is for the reference station and other is for the mobile receiver interface and graphical display. The guided vehicle is a golf car called the Remote Sensing Autonomous Vehicle for EN (RAVEN). The research concentrated on developing real-time data processing algorithms and using these algorithms to show guidance information to the user via a graphical interface. The developed software reads the real-time GPS data using an RS-232 interface and converts it to a usable form for the data processing algorithms. The data processing algorithm compares the real-time data with the desired track and outputs the guidance information to the guidance display. Based on the information from the guidance display, the user is able to drive on the desired track. Four tests were performed to evaluate the guidance system performance and human factors under different circumstances. These tests include update rate tests, a single instrument test, varying parameter tests, and an under hood test. Tests results and user feedback show that the system performs well under most conditions. 98 pp. Englisch.

[Read Development of a Real Time Guidance System for a Kinematic Test Vehicle](#)[Online](#)[Download PDF Development of a Real Time Guidance System for a Kinematic Test Vehicle](#)

## Other PDFs

---



### **Genuine book Oriental fertile new version of the famous primary school enrollment program: the intellectual development of pre-school Jiang(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2012-09-01 Pages: 160 Publisher: the Jiangxi University Press Welcome Salan. service...

[Download Book »](#)

---



### **With Chatwin: Portrait of a Writer**

Knopf. Hardcover. Book Condition: New. 0679410333 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I...

[Download Book »](#)

---



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can usually...

[Download Book »](#)

---



### **Daddyteller: How to Be a Hero to Your Kids and Teach Them What s Really by Telling Them One Simple Story at a Time**

Createspace, United States, 2013. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. You have the power, Dad, to influence and educate your child. You can...

[Download Book »](#)

---



### **Readers Clubhouse Set B Time to Open**

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 222 x 148 mm. Language: English . Brand New Book. This is volume nine, Reading Level 2, in a comprehensive program (Reading Levels 1...

[Download Book »](#)