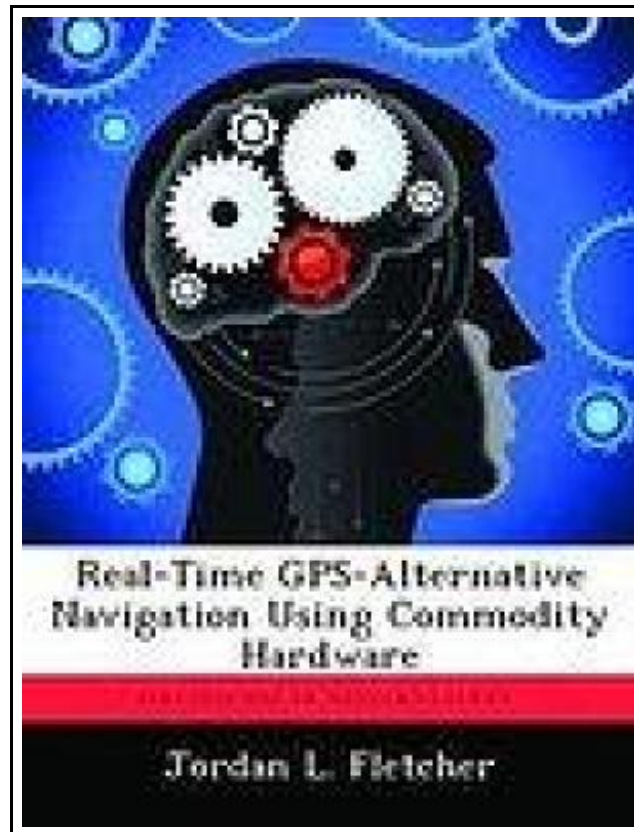


Real-Time GPS-Alternative Navigation Using Commodity Hardware



Filesize: 9.2 MB

Reviews

*I actually started looking over this ebook. It is definitely simplified but excitement inside the 50 percent of your ebook. You are going to like just how the blogger create this ebook.
(Efren Swift)*

REAL-TIME GPS-ALTERNATIVE NAVIGATION USING COMMODITY HARDWARE



To download **Real-Time GPS-Alternative Navigation Using Commodity Hardware** PDF, make sure you follow the button beneath and save the document or get access to additional information which might be relevant to REAL-TIME GPS-ALTERNATIVE NAVIGATION USING COMMODITY HARDWARE ebook.

Biblioscholar Dez 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x8 mm. This item is printed on demand - Print on Demand Neuware - Modern navigation systems can use the Global Positioning System (GPS) to accurately determine position with precision in some cases bordering on millimeters. Unfortunately, GPS technology is susceptible to jamming, interception, and unavailability indoors or underground. There are several navigation techniques that can be used to navigate during times of GPS unavailability, but there are very few that result in GPS-level precision. One method of achieving high precision navigation without GPS is to fuse data obtained from multiple sensors. This thesis explores the fusion of imaging and inertial sensors and implements them in a real-time system that mimics human navigation. In addition, programmable graphics processing unit technology is leveraged to perform stream-based image processing using a computer's video card. The resulting system can perform complex mathematical computations in a fraction of the time those same operations would take on a CPU-based platform. The resulting system is an adaptable, portable, inexpensive and self-contained software and hardware platform, which paves the way for advances in autonomous navigation, mobile cartography, and artificial intelligence. 132 pp. Englisch.



[Read Real-Time GPS-Alternative Navigation Using Commodity Hardware Online](#)
[Download PDF Real-Time GPS-Alternative Navigation Using Commodity Hardware](#)

Relevant eBooks



[PDF] Psychologisches Testverfahren

Follow the hyperlink beneath to read "Psychologisches Testverfahren" document.

[Read ePub »](#)



[PDF] Programming in D

Follow the hyperlink beneath to read "Programming in D" document.

[Read ePub »](#)



[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Follow the hyperlink beneath to read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" document.

[Read ePub »](#)



[PDF] Anna's Fight for Hope: The Great Depression 1931 (Sisters in Time Series 20)

Follow the hyperlink beneath to read "Anna's Fight for Hope: The Great Depression 1931 (Sisters in Time Series 20)" document.

[Read ePub »](#)



[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Follow the hyperlink beneath to read "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" document.

[Read ePub »](#)



[PDF] It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em

Follow the hyperlink beneath to read "It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em" document.

[Read ePub »](#)