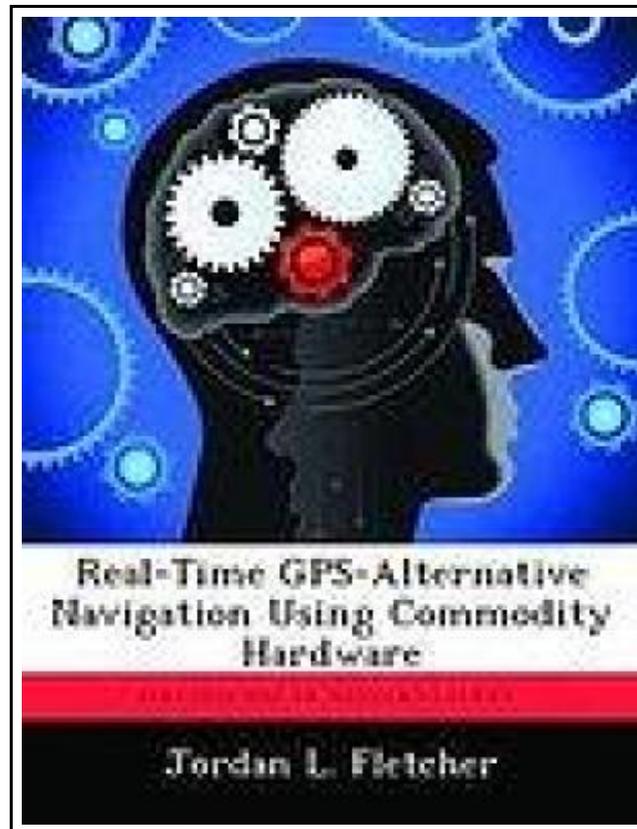


Real-Time GPS-Alternative Navigation Using Commodity Hardware



Filesize: 7.18 MB

Reviews

Completely among the best pdf We have at any time study. We have study and i am sure that i am going to likely to read yet again once again in the foreseeable future. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Penelope O'Conner DDS)

REAL-TIME GPS-ALTERNATIVE NAVIGATION USING COMMODITY HARDWARE



To download **Real-Time GPS-Alternative Navigation Using Commodity Hardware** PDF, remember to follow the link under and save the document or get access to other information that are related 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](#)

You May Also Like



[PDF] Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America

Access the web link under to get "Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America" document.

[Save ePub »](#)



[PDF] Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products

Access the web link under to get "Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products" document.

[Save ePub »](#)



[PDF] Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph

Access the web link under to get "Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph" document.

[Save ePub »](#)



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

Access the web link under to get "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" document.

[Save ePub »](#)



[PDF] Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Access the web link under to get "Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age" document.

[Save ePub »](#)



[PDF] A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)

Access the web link under to get "A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)" document.

[Save ePub »](#)