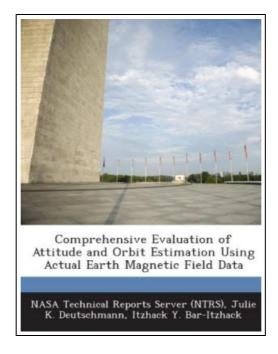
Comprehensive Evaluation of Attitude and Orbit Estimation Using Actual Earth Magnetic Field Data (Paperback)



Filesize: 5.96 MB

Reviews

It in one of my personal favorite publication. Indeed, it is actually perform, still an amazing and interesting literature. Its been printed in an exceptionally easy way which is merely soon after i finished reading this book where really altered me, change the way i believe.

(Neal Homenick IV)

COMPREHENSIVE EVALUATION OF ATTITUDE AND ORBIT ESTIMATION USING ACTUAL EARTH MAGNETIC FIELD DATA (PAPERBACK)



Bibliogov, United States, 2013. Paperback. Condition: New. Language: English. Brand New Book ***** Print on Demand *****. A single, augmented Extended Kalman Filter (EKF), which simultaneously and autonomously estimates spacecraft attitude and orbit has been developed and successfully tested with real magnetometer and gyro data only. Because the earth magnetic field is a function of time and position, and because time is known quite precisely, the differences between the computed and measured magnetic field components, as measured by the magnetometers throughout the entire spacecraft orbit, are a function of both orbit and attitude errors. Thus, conceivably these differences could be used to estimate both orbit and attitude; an observability study validated this assumption. The results of testing the EKF with actual magnetometer and gyro data, from four satellites supported by the NASA Goddard Space Flight Center (GSFC) Guidance, Navigation, and Control Center, are presented and evaluated. They confirm the assumption that a single EKF can estimate both attitude and orbit when using gyros and magnetometers only.

- Read Comprehensive Evaluation of Attitude and Orbit Estimation Using Actual Earth Magnetic Field Data (Paperback) Online
- Download PDF Comprehensive Evaluation of Attitude and Orbit Estimation Using Actual Earth Magnetic Field Data (Paperback)

Other PDFs



The World is the Home of Love and Death

Metropolitan Books. Hardcover. Book Condition: New. 0805055134 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-...

Save eBook »



Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America.

Createspace, United States, 2015. Paperback. Book Condition: New. 258 x 208 mm. Language: English . Brand New Book ***** Print on Demand *****. This isn t porn. Everyone always asks and some of our family thinks...

Save eBook »



The Pauper & the Banker/Be Good to Your Enemies

Discovery Publishing Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, The Pauper & the Banker/Be Good to Your Enemies, Discovery Kidz, This book is part of the Aesops Fables (Fun with 2 Stories) Series, titles in...

Save eBook »



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English. Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

Save eBook »



Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****. The Children's Handwriting Book of Alphabets and Numbers provides extensive focus on...

Save eBook »