



Range Precision of Ladar Systems (Paperback)

By Steven Johnson

Biblioscholar, 2012. Paperback. Condition: New. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. A key application of Laser Detection and Ranging (LADAR) systems is measurement of range to a target. Many modern LADAR systems are capable of transmitting laser pulses that are less than a few nanoseconds in duration. These short-duration pulses provide excellent range precision. However, randomness in the detected laser signals places limits on the precision. The goal of this dissertation is to quantify the range precision limits of LADAR systems. The randomness in the time between photon arrivals, which is called shot noise, is discussed in depth. System-dependent noise sources such as dark current and detector gain variation are considered. The effect of scene-dependent parameters including background light, target obscuration, and target orientation is also discussed. Finally, noise mitigation strategies such as pulse averaging and gain equalization are described and tested on simulated and real LADAR data.



READ ONLINE

[4.03 MB]

Reviews

Thorough guideline for publication fanatics. Better than never, though i am quite late in start reading this one. I am just effortlessly could possibly get a delight of reading a created book.

-- **Terry Bailey**

The most effective publication i at any time go through. This is certainly for all those who statte that there had not been a worthy of looking at. Its been printed in an extremely straightforward way which is merely soon after i finished reading this publication where basically changed me, change the way in my opinion.

-- **Madyson Rutherford**

You May Also Like



[Weebies Family Early Reading English Book: Full Colour Illustrations and Short Children s Stories](#)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Children s Weebies Family Early Reading English Language Book 1 starts to teach Pre-School and Junior Children how to read....



[Kid Toc: Where Learning from Kids Is Fun!](#)

Createspace, United States, 2012. Paperback. Book Condition: New. Hanne Simone Larsen (illustrator). 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****. Where learning to read from kids is fun! - FREE Videos - with kids -...



[Where Is My Mommy?: Children s Book](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This children s book is wonderfully illustrated. It has an awesome plot to draw the reader into the story. This...



[What is in My Net? \(Pink B\) NF](#)

Pearson Education Limited. Book Condition: New. This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's children to read. In this book, Zac and Daisy are fishing....



[My Brother is Autistic](#)

Barron's Educational Series Inc., U.S. Paperback. Book Condition: new. BRAND NEW, My Brother is Autistic, Jennifer Moore-Mallinos, Medical experts are just beginning to understand varying degrees of autism and its impact on both the autistic child and his family. This book describes an...



[Readers Clubhouse Set a Nick is Sick](#)

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Carol Koeller (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume three, Reading Level 1, in a comprehensive program (Reading Levels 1 and 2) for beginning...