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DIY Instruments For Amateur Space: Inventing Utility For Your Spacecraft Once It Achieves Orbit



Synopsis

What can you measure and what are your limits when orbiting in space? Learn about what physical quantities you can measure and what types of sensors you can buy or build. We cover the 5 essential design limits as well: power, bandwidth, resolution, computing... and legal limitations. Explore what you can play with using your own personal satellite.

Book Information

Paperback: 120 pages

Publisher: Maker Media, Inc; 1 edition (April 11, 2013)

Language: English

ISBN-10: 1449310648

ISBN-13: 978-1449310646

Product Dimensions: 5.5 x 0.2 x 8.5 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 9 customer reviews

Best Sellers Rank: #438,811 in Books (See Top 100 in Books) #49 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors](#) #644 in [Books > Science & Math > Astronomy & Space Science > Astrophysics & Space Science](#) #5203 in [Books > Science & Math > Physics](#)

Customer Reviews

Alexander "Sandy" Antunes (born 1967 in Baltimore, Maryland) is a Maryland-area astronomer, author, and role playing game designer. He graduated from Boston University in 1989 with a dual major in astronomy and physics, received a Masters in astronomy from Penn State in 1992, and received his PhD in computational astrophysics from George Mason University in 2005. He was the Maryland Science Center "Science Person of the Month" for May 2007.

The book's contents are superb however all of the text and captions that discuss the different wavelengths and meanings of the various color gradations in the books photos are unfortunately ALL printed in black and white! The book is stuffed with photos which are near useless without the discussed colors; sad to see because otherwise I would have given it a 4 or 5. I can't believe the other reviewers didn't mention this obvious flaw... makes me wonder if they are real or not...

Great

A very basic introduction to amateur space instruments. It covers what you need to know to do additional research. All in all a good starting point.

Necessary. This book and the others he wrote follow an interesting and very necessary trend. When you consider that sending things into space started off as a DIY trend in its entirety we are in good stead.

Great introduction to satellites for all ages.

Very interesting. Full of good background information

good discussion of the topic.

I'm satisfied.

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