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# Introduction To Airborne Radar (Aerospace & Radar Systems (Software))



## Synopsis

The completely rewritten and revised Second Edition updates a famous work originally published by the Hughes Aircraft Company. Much more than a simple introduction, the book is actually a history, reference, tech manual, and textbook rolled into one beautiful illustrated volume, packed with full color photos, drawings, tables and charts, plus knowledgeable, informative text. Twelve new chapters cover all the sophisticated stealth radar techniques. Over 90% of the illustrations are in color as the book describes over a dozen airborne radar systems currently in service, from long-range surveillance to environmental monitoring. The first three chapters can be used as a stand-alone briefing on modern radar for readers who need a quick introduction.

## Book Information

Series: Aerospace & Radar Systems (Software)

CD-ROM: 576 pages

Publisher: SciTech Publishing; 2 edition (December 1, 1998)

Language: English

ISBN-10: 1891121146

ISBN-13: 978-1891121142

Product Dimensions: 4.9 x 5.6 x 0.4 inches

Shipping Weight: 3.5 ounces

Average Customer Review: 4.2 out of 5 stars 24 customer reviews

Best Sellers Rank: #4,825,485 in Books (See Top 100 in Books) #81 in [Books > Engineering & Transportation > Engineering > Aerospace > Avionics](#) #479 in [Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Radar](#) #2009 in [Books > Textbooks > Engineering > Aeronautical Engineering](#)

## Customer Reviews

"Having a background in both combat aviation and physics, I can say without a doubt that there is no other text that allows students with such diverse backgrounds to understand the principles behind the tactical use of radar as quickly and thoroughly as does Introduction to Airborne Radar. The book's conceptual approach is it's unique quality." - Ed Tomme, Military Pilot Training Instructor

"Mr. Stimson has retained his high technical standards, clear expository style, and superb artwork while bringing the text into the 21st century. This second edition is a "must have" book for both engineer and technician alike." - Richard Strecker, Radar Instructor, Raytheon TI Electronic Systems

"[This is] a 'powerful' book. It addresses many different aspects of radar, and it seems as

complete as a book can be on airborne radar. If I hadn't seen the first edition, I wouldn't have believed that anyone could produce such a book." - Dr. Merrill Skolnik, Author, The Radar Handbook (McGraw-Hill), Naval Research Lab"The author has a very readable style. He is able to describe technically complex subjects in a clear and understandable way. This technique is aided immensely by the outstanding graphics...There is no book like this on the market. - Russell Lefevere, Vice President, Technology Service Corp.

This CD-ROM is an ideal introduction to the subject for nonspecialists: engineers, technicians, pilots, and aerospace industry marketing, public relations, and customer support personnel. Also excellent as a reference for specialists in the field. Great for anyone who wants a "portable" version of this bestselling title. In Adobe Acrobat PDF format.

This book is very informative and gives you a good introduction to the inner workings of RADAR systems. One of my professors at college recommended this book to me when I mentioned that I wanted to pursue RADAR electronics. It is easy to understand for a technically minded person, but might be hard to follow if you have no technical background. There are extra sections that go further into depth about certain principals that you will have to be up to date on your calculus to follow. The illustrations of historically significant (to RADAR) aircraft are very enjoyable and include brief histories as well. Makes a fantastic coffee table book for techno geeks like myself!

Great new edition of a classic!

Rather simply in graphics and display gives the book a comprehensive inside view of how airborne radar works. The quality of the figures and the paper itself could be better

A well written and illustrated book. It deals with most aspects of radar systems with clarity. The book gives a solid grounding in the subject without resorting to complex mathematics; although a level of mathematics is used where it adds clarity.

As an Avionics Technician I do refer to this book often. I have worked with airborne radar systems for years but like anything else you forget some of the finer details. This is an excellent reference to have around.

This book is just what I needed to help me refresh on the subject. I am always trying to find books that describe technology on this level. Just what I need. Thank you very much!

Good technical information.

Lots of theory that is easy to follow and understand accompanied with a minimum of equations. Just enough theory to give a reader with a technical background real insight into modern airborne radar technology.

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