

Stimson's Introduction to Airborne Radar (Electromagnetics and Radar)



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Has any technical book, radar or otherwise, presented the fundamentals and applications of a topic with such clarity and interest as George Stimson's masterpiece has? Over 50,000 happy Stimson owners would say, "Not likely!" Now a skilled and respected team of radar and EW engineers, working closely with a community of radar advisors and the publisher's editors, have fully modernized coverage and maintained the unique Stimson look and feel. Even the "timeless principles" and core fundamentals of general radar have been updated in wording and new graphics, while the more advanced concepts and applications in airborne radar have been brought into the digital age of radar signal processing and solid state electronics.

Stimson's is written specifically as an overview without going overboard on the math. Virtually anybody with a knowledge of high school algebra, trigonometry, and physics will be able to read and absorb the vast majority of the material. Living up to its moniker of "Introduction," Stimson's contains extensive fundamental materials and practical applications, using visual system exemplars to aid explanations. The unique full color layout is enhanced with an immense number of illustrations, figures, tables, and color photographs.

Chapter exercises are an important addition for training and undergraduate academic courses.

KEY FEATURES

* Completely covers the wide range of techniques employed in modern airborne and space borne radars.

* Fulfills the needs of those who want to learn about radar, regardless of their technical background.

* Fundamentals are applicable to ground-based radar as well.

* Clear, understandable writing supplemented by extensive graphic illustration of concepts and offset boxes taking those concepts to higher levels.

* All chapters have been modified, some heavily, to remove legacy material and include modern radar techniques.

* Two new sections have been added, covering electronic warfare, and special/advanced topics.

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Kathleen Sinclair:

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