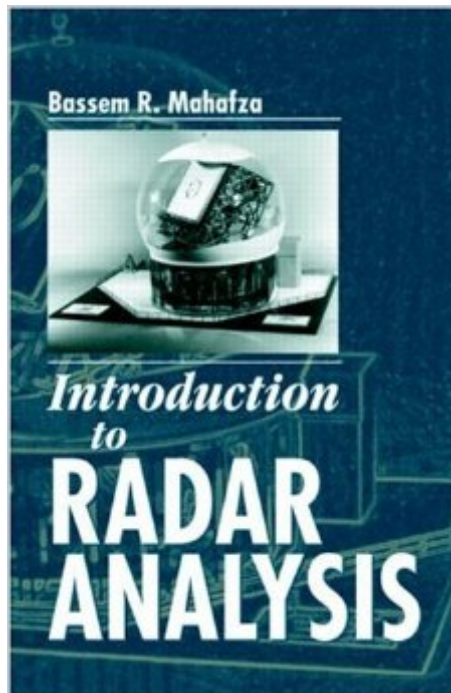


The book was found

# Introduction To Radar Analysis (Advances In Applied Mathematics)



## Synopsis

Introduction to Radar Analysis outlines the fundamental principles and applications of radar as well as important mathematical derivations - serving as a reference for engineers, technical managers, and students. This comprehensive book divides into two parts: General analytical treatment of radar signal processing Specific discussion of radar topics and radar types Chapters contain: derivations of the radar equation in many forms for an essential understanding of radar principle examination of radar cross section and receiver noise practical aspects of radar systems, including stretch processing, multipath propagation, and track filters analysis of probability of detection and radar losses; CW and pulsed radars; and pulse compression investigation of current research and industry trends, including clutter and wave propagation, Moving Target Indicator (MTI), tracking radars, and array antennas a unique approach in presenting Synthetic Aperture Radar (SAR) 756 equations and formulas providing detailed mathematical derivations 165 examples and exercise problems as well as 149 figures and plots Introduction to Radar Analysis acts as an essential stepping stone toward specialized topics - providing a clear, accessible framework of radar fundamentals as well as a thorough study of advanced topics and radar technology issues.

## Book Information

Series: Advances in Applied Mathematics

Hardcover: 352 pages

Publisher: CRC Press; 1 edition (May 22, 1998)

Language: English

ISBN-10: 0849318793

ISBN-13: 978-0849318795

Product Dimensions: 1 x 6.5 x 9.8 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #1,440,413 in Books (See Top 100 in Books) #111 in [Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Radar](#) #1216 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits](#) #278496 in [Books > Textbooks](#)

## Customer Reviews

There are lots of books published on radar systems analysis. Non of these books demonstrate in a clear way how to use and implement the covered material. This book goes an important step further

and teaches the reader how to apply the material presented, using easy to follow MATLAB programs. After reading this book you can have a clear understanding of how to solve and analyze real life radar problems.

[Download to continue reading...](#)

Introduction to Radar Analysis (Advances in Applied Mathematics) Radar Equations for Modern Radar (Artech House Radar) Multiple-Target Tracking with Radar Applications (Artech House Radar Library) (Artech House Radar Library (Hardcover)) Stimson's Introduction to Airborne Radar (Electromagnetics and Radar) Introduction to Radar Target Recognition (Radar, Sonar & Navigation) Police Radar Basics: Everything Every Driver, and the Police, should know about Traffic Speed Radar Angle of Arrival Estimation Using Radar Interferometry (Electromagnetics and Radar) Pocket Book of Integrals and Mathematical Formulas, 5th Edition (Advances in Applied Mathematics) Introduction to Numerical Analysis (Texts in Applied Mathematics) Nonlinear Systems: Analysis, Stability, and Control (Interdisciplinary Applied Mathematics) Convex Analysis and Variational Problems (Classics in Applied Mathematics) Applied Linear Algebra and Matrix Analysis (Undergraduate Texts in Mathematics) Applied Functional Analysis (Dover Books on Mathematics) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) Pulmonary Drug Delivery: Advances and Challenges (Advances in Pharmaceutical Technology) Advances in Modelling and Clinical Application of Intravenous Anaesthesia (Advances in Experimental Medicine and Biology) Hydrosilylation: A Comprehensive Review on Recent Advances (Advances in Silicon Science) Atlas of Antarctica: Topographic Maps from Geostatistical Analysis of Satellite Radar Altimeter Data Introduction to Information Theory and Data Compression, Second Edition (Applied Mathematics)

[Dmca](#)