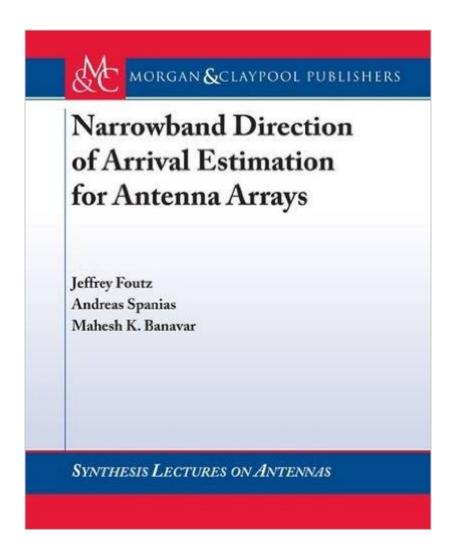
The book was found

Narrowband Direction Of Arrival Estimation For Antenna Arrays (Synthesis Lectures On Antennas)





Synopsis

This book provides an introduction to narrowband array signal processing, classical and subspace-based direction of arrival (DOA) estimation with an extensive discussion on adaptive direction of arrival algorithms. The book begins with a presentation of the basic theory, equations, and data models of narrowband arrays. It then discusses basic beamforming methods and describes how they relate to DOA estimation. Several of the most common classical and subspace-based direction of arrival methods are discussed. The book concludes with an introduction to subspace tracking and shows how subspace tracking algorithms can be used to form an adaptive DOA estimator. Simulation software and additional bibliography are given at the end of the book. Table of Contents: Introduction / Background on Array Processing / Nonadaptive Direction of Arrival Estimation / Adaptive Direction of Arrival Estimation / Adaptive Direction of Arrival Estimation / Adaptive Direction of Arrival Estimation / Appendix

Book Information

Series: Synthesis Lectures on Antennas

Paperback: 82 pages

Publisher: Morgan and Claypool Publishers (July 29, 2008)

Language: English

ISBN-10: 1598296507

ISBN-13: 978-1598296501

Product Dimensions: 7.5 x 0.2 x 9.2 inches

Shipping Weight: 7.5 ounces (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #1,346,062 in Books (See Top 100 in Books) #43 in Books > Engineering &

Transportation > Engineering > Civil & Environmental > Environmental > Insecticides & Pesticides

#45 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors >

Antennas #4034 in Books > Computers & Technology > Networking & Cloud Computing >

Internet, Groupware, & Telecommunications

Customer Reviews

This a great book for direction finding if you already have a good grasp on the under lying theory. It is a recipe book. I goes through each step including matlab examples of multiple techniques. It also gives comparisons of the different techniques. For the price it is a must buy.

From beginning to end - this was a fascinating look at the world of attennas. Jeff's ability to draw the

reader in and hold their attention is masterful. I look forward to the sequel.

Download to continue reading...

Narrowband Direction of Arrival Estimation for Antenna Arrays (Synthesis Lectures on Antennas) Angle of Arrival Estimation Using Radar Interferometry (Electromagnetics and Radar) Substrate Integrated Antennas and Arrays Antenna Arrays: A Computational Approach Parasitic Antenna Arrays for Wireless MIMO Systems Detection Estimation and Modulation Theory, Part I: Detection, Estimation, and Filtering Theory Homemade HF Antennas (Amateur Radio HF Antennas Book 3) Phased Array Antenna Handbook, Second Edition (Artech House Antennas and Propagation Library) HF Antenna Accessories (Amateur Radio HF Antennas Book 4) Microstrip Antenna Design Handbook (Artech House Antennas and Propagation Library) Modern Methods of Reflector Antenna Analysis and Design (Artech House Antenna Library) HDTV Antenna: Over-The-Air HDTV Antenna Instructions Antenna Fundamentals- Module 4: Radio Antenna Systems - Phased Array Antennas : Floquet Analysis, Synthesis, BFNs and Active Array Systems Digital Signal Processing with Field Programmable Gate Arrays (Signals and Communication Technology) Lectures on Antitrust Economics (Cairoli Lectures) The Birth of Biopolitics: Lectures at the College de France, 1978-1979 (Lectures at the CollAge de France) The Government of Self and Others: Lectures at the College de France, 1982-1983 (Lectures at the CollA ge de France) Lectures on the Will to Know (Michel Foucault, Lectures at the CollA ge de France) Security, Territory, Population: Lectures at the College De France, 1977 - 78 (Michel Foucault, Lectures at the CollA ge de France)

Dmca