



Introduction to Adaptive Arrays (Electromagnetics and Radar)

By Robert A. Monzingo

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This second edition is an extensive modernization of the bestselling introduction to the subject of adaptive array sensor systems. With the number of applications of adaptive array sensor systems growing each year, this look at the principles and fundamental techniques that are critical to these systems is more important than ever before. *Introduction to Adaptive Arrays, 2nd Edition* is organized as a tutorial, taking the reader by the hand and leading them through the maze of jargon that often surrounds this highly technical subject. It is easy to read and easy to follow, as fundamental concepts are introduced with examples before more current developments and techniques are introduced. Problems at the end of each chapter serve both instructors and professional readers by illustrating and extending the material presented in the text. Both students and practicing engineers will easily gain familiarity with the modern contribution that adaptive arrays have to offer practical signal reception systems.

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Editorial Review

About the Author

Robert Monzingo received the B.S.E.E. degree from Stanford University, the M.S.E.E. degree from the University of Arizona, and the Sc.D. degree from Washington University, St. Louis. He has been active in the areas of automatic control, radar, and communications for many years and is presently associated with the Aerospace Corporation in El Segundo, CA as a Senior Engineering Specialist where he is engaged in work on adaptive arrays, GPS systems, and satellite communication systems.

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Thomas Miller currently works for Raytheon Corporation where he has been cited for leadership in advanced early warning surveillance radar and adaptive signal processing. He is the author and coauthor of multiple journal articles as well as contributor to several books.

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