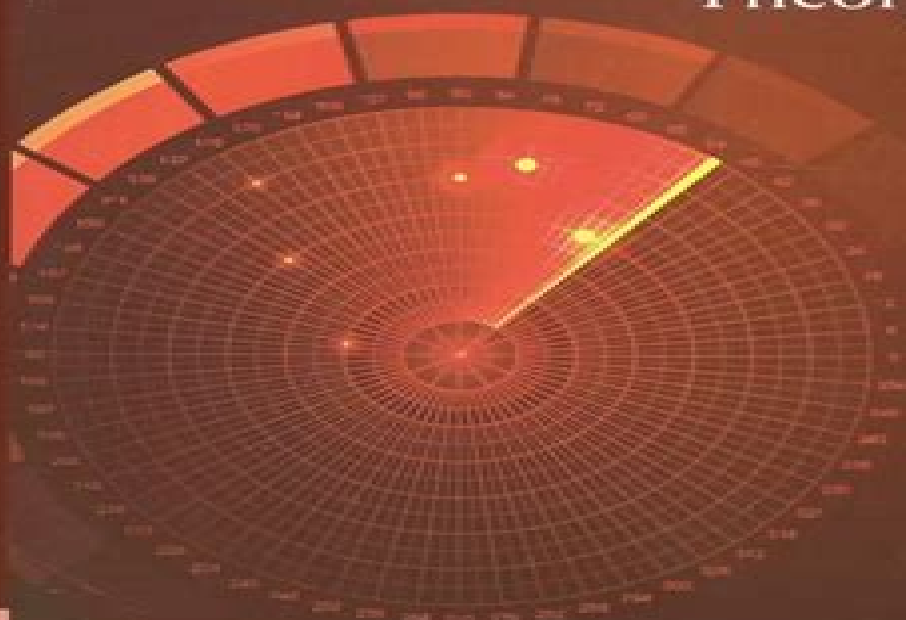


Active Radar Cross Section Reduction

Theory and Applications



Hema Singh
Rakesh Mohan Jha

Active Radar Cross Section Reduction Theory And Applications

N Colangelo



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Inamuddin, Tariq Altalhi, 2023-09-20 **ELECTROMAGNETIC METAMATERIALS** The book presents an overview of metamaterials, current state of development in several domains of application such as electromagnetics, electrical engineering, classical optics, microwave and antenna engineering, solid state physics, materials sciences and optoelectronics. Metamaterials have become a hot topic in the scientific community in recent years due to their remarkable electromagnetic properties. Metamaterials have the ability to alter electromagnetic and acoustic waves in ways that bulk materials cannot. **Electromagnetic Metamaterials: Properties and Applications** discusses a wide range of components to make metamaterial engineered devices. It gives an overview of metamaterials, current stage of development in a variety of fields such as remote aerospace applications, medical appliances, sensor detectors and monitoring devices of infrastructure, crowd handling, smart solar panels, radomes, high gain antennas, lens, high frequency communication on the battlefield, ultrasonic detectors and structures to shield from earthquakes. Audience: Researchers and engineers in electromagnetic and electrical engineering, classical optics, microwave and antenna engineering, solid state physics, materials sciences and optoelectronics. **Evolution**

of the USAF Strategic Nuclear Bomber Deterrent George J. Refuto, 2023-04-28 About the Book In this research study, former Defense Department consultant George Refuto traces the technological evolution of USAF long range strategic nuclear bomber aircraft during and after the Cold War as well as the development of their missions and utilization of US nuclear bombers in 21st century regional and global military threat scenarios. Five distinct periods are covered in this study: World War I 1914-1918, the Interwar Period 1919-1939, World War II 1939-1945, the Cold War 1946-1991 and the Post Cold War Period 1991-present, with an emphasis on the latter two. In his writing, Refuto focuses on developing a model that encompasses bombing and air defense for each period and showing how concepts, technologies and implementations of strategic bombing have changed and influenced the current level of development of the USAF strategic nuclear bomber force and doctrine and what is projected for the future. About the Author George J. Refuto is a former Defense Department

consultant who has extensive academic and professional experience in the fields of military history weapon systems technology intelligence surveillance reconnaissance systems and US national security defense policy He has worked in both the defense and intelligence communities and holds a master s degree in International Affairs from Columbia University with specializations in US USSR strategic and theater tactical nuclear forces undersea and airborne naval weapons systems and Russian Soviet politics He has previously published *Evolution of the US Sea based Nuclear Missile Deterrent Warfighting Capabilities* and is working on a third book on the US ICBM deterrent

International Youth Conference on Electronics, Telecommunications and Information Technologies Elena Velichko,Maksim Vinnichenko,Victoria Kapralova,Yevgeni Koucheryavy,2020-11-27 This volume presents peer reviewed and selected papers of the International Youth Conference on Electronics Telecommunications and Information Technologies YETI 2020 held in Peter the Great St Petersburg Polytechnic University St Petersburg on July 10 11 2020 It discusses current trends and major advances in electronics telecommunications optical and information technologies focusing in particular on theoretical and practical aspects of developing novel devices and materials improving data processing methods and technologies The conference brings together young researchers and early career scientists participating in a series of lectures and presentations establishing contacts with potential partners sharing new project ideas and starting new collaborations

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Proceedings of the National Electronics Conference ,1965 **Radar Cross Section** Eugene F. Knott,John F. Schaeffer,Michael T. Tulley,2004-06-30 The leading text and reference on radar cross section RCS theory and applications this work presents a comparison of two radar signal strengths One is the strength of the radar beam sweeping over a target the other is the strength of the reflected echo sensed by the receiver This book shows how the RCS gauge can be predicted for theoretical objects *International Aerospace Abstracts* ,1999

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