



Antenna and Wave Propagation

By Dr. Sisir K Das, Dr. Annapurna Das



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Antenna and wave propagation are key subjects in the applications of radar, wireless communication, mobile communication and others. The book's main objective is to introduce the fundamental principles of antenna theory and to apply them to the analysis, design and measurements of antennae. Applications are made to some of the most basic and practical configuration, such as linear dipoles, loops, arrays, broadband, and frequency-independent antennae, aperture, horn antennae, microstrip antennae, and reflectors antennae.



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Editorial Review

About the Author

"Sisir K. Das obtained B.Tech, M.Tech and Ph.D degrees from Calcutta University, IIT Kharagpur and Anna University, respectively. He started his career as teaching and research faculty in Delhi University in 1977 and joined the Ministry of Commerce and IT, Government of India as a scientist in 1980. As head of EMC, Dr. Das led EMC evaluation and designing of electronics products manufactured by the industry, meeting international standards and electromagnetics research projects in the country and abroad for 30 years. He conducts numerous EMC and high-speed/frequency training programmes for engineers in the industry and educational institutions. He has conducted numerous classes in several engineering colleges as a visiting faculty. Dr. Das has worked at the National Institute of Standards and Technology, US Department of Commerce, USA, for three months (July-October '91) as Research Fellow under the UNDP Programme. Presently, he is Professor and Dean—Research & Administration, GNIT, Kolkata. Annapurna Das received B.Sc. (Hons.) and M.Sc. degrees in Physics from Calcutta University, India, M.Tech. degree in Microwave Electronics and Ph.D. degree in Electrical Engineering from University of Delhi, India. As a senior research fellow of CSIR, New Delhi, she was engaged in doctoral research and teaching undergraduate courses in Electrical Engineering Department, Delhi College of Engineering during 1980 to 1982 and doctoral research in Indian Institute of Technology, Chennai, during 1983 to mid-1985. She was faculty in the Department of Electronics and Communication Engineering, Anna University, Chennai, since 1985 and became Professor in 1998. She worked at Interference Control Technology, USA, for two months (June-August '91) as Research Fellow under UNDP Programme. Presently, she is Principal of Guru Nanak Institute of Technology, Kolkata, under West Bengal University of Technology. She has nearly 60 research publications to her credit."

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