

Fundamentals of Communication Systems

By Janak Sodha

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Based on the experience of lecturing for over eighteen years, this text begins with Fourier analysis, power and bandwidth, spectral density and random processes through a linear system to provide a solid foundation for the theory to be presented in the chapters to follow. An appendix on probability theory is also included which also contains supporting simulations to help understand the material. Its only by interacting with the theory through different means (mathematical theory, problems with solutions, simulations with the option to modify parameters) can one begin to gain a deeper understanding of the underlying concepts and limitations.

The author received his B.Sc. (Hons.), M.Sc. and Ph.D. from the University of Manchester, England (UK). A telecommunications research engineer with ERA Technology (UK) for two years and currently a senior lecturer at the University of the West Indies. Refer to the author's home page on http://janaksodha.com for details of his publications and search for the app (smartphone or tablet) using the author's surname.

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Editorial Review

About the Author
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