Digital Signal Processing for Wireless Communication using Matlab

E.S. Gopi

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E.S. Gopi
Department of Electronics
and Communications Engineering
National Institute of Technology Trichy
Tamil Nadu, India

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*Dedicated to my wife G. Viji, my son
A.G. Vasig and my daughter A.G. Desna*

Preface

Stochastic digital signal processing involved in wireless communication such as mathematical modelling, detection theory, estimation theory and modulation techniques are discussed in this book. Concepts such as coherent time, coherent frequency, Doppler spread, delay spread, Bayes, mini-max, Neyman-Pearson, MMSE, MMAE, MAP, Wiener filter, Kalman filter, MIMO, OFDM, CDMA, and diversity techniques are illustrated using MATLAB for better understanding. The book is written such that it is suitable for the beginners who are doing basic research in wireless communication.

Tamil Nadu, India

E.S. Gopi

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