Modern Communication Systems Using MATLAB®

John G. Proakis
Masoud Salehi
Gerhard Bauch

Contemporary Communication Systems Using Matlab 3rd Edition

Edward W. Kamen,Bonnie S. Heck

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Salehi,Gerhard Bauch,2004 Featuring a variety of applications that motivate students this book serves as a companion or supplement to any of the comprehensive textbooks in communication systems The book provides a variety of exercises that may be solved on the computer using MATLAB The authors assume that the student is familiar with the fundamentals of MATLAB By design the treatment of the various topics is brief The authors provide the motivation and a short introduction to each topic establish the necessary notation and then illustrate the basic concepts by means of an example **Wiley Encyclopedia of Telecommunications** John G. Proakis,2003 Wiley Encyclopedia of Telecommunications, Volume 5 John G. Proakis,2003 Contains 275 tutorial articles focused on modern telecommunications topics The contents include articles on communication networks source coding and decoding channel coding and decoding modulation and demodulation optical communications satellite communications underwater acoustic communications radio propagation antennas multiuser communications magnetic storage systems and a variety of standards V 1 p v *Wiley Encyclopedia of Telecommunications* ,2003 Essentials of Digital Signal Processing Using MATLAB Vinay K. Ingle,John G. Proakis,2011-03 In this supplementary text MATLAB is used as a computing tool to explore traditional DSP topics and solve problems to gain insight This greatly expands the range and complexity of problems that students can effectively study in the course Since DSP applications are primarily algorithms implemented on a DSP processor or software a fair amount of programming is required Using interactive software such as MATLAB makes it possible to place more emphasis on learning new and difficult concepts than on programming algorithms Interesting practical examples are discussed and useful problems are explored

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